EXHIBIT D
ENVIRONMENTAL CLEARANCE
ENV-2021-9523-HES-PEIR

D1 – Housing Element Streamlining Checklist

D2 – HES Appendix B - Mitigation Monitoring Program

D3 – HES Appendix C – Additional Analysis

D4 – HES Appendix D – Technical Studies

- D4- Attachment A - Air Quality Technical Memorandum
- D4- Attachment B - Greenhouse Gas Technical Memorandum
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Attachment A

Air Quality Technical Memorandum

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MEMORANDUM

To:	Alex Wong, Red Oak Investments
From:	David Larocca, Air Quality/Greenhouse Gas Emissions Specialist, Dudek
Subject:	Air Quality Technical Memorandum for the 1280 Pacific Coast Highway Mixed-Use Development Project
Date:	May 24, 2024, updated January 2025
Attachment:	A, Air Quality Modeling Data

1 Introduction

The purpose of this air quality technical memorandum is to evaluate the potential air quality impacts of the proposed 1280 Pacific Coast Highway Mixed-Use Development Project (the Project), located on a 3.7-acre site located at 1268, 1270 & 1290 Pacific Coast Highway & 25900 South Frampton Avenue (the Project Site) within the Wilmington – Harbor City Community Plan (Community Plan) Area in the City of Los Angeles (City). The Project would replace an existing mobile home and a surface parking lot with a mixed-use building consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure. The mixed-use building would occupy a majority of the Project Site and would be approximately 406,855 square feet in size and 5 stories in height (80 feet in height, as measured to the lowest grade). The Project would not include any subterranean levels. This section estimates the air pollutant emissions generated by construction and operation of the Project and evaluates whether Project emissions would conflict with or obstruct implementation of the applicable air quality plan; result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard; expose sensitive receptors to substantial pollutant concentrations; or result in other emissions, such as those leading to odors, affecting a substantial number of people.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR, to adopt the 2021-2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element), hereafter referred to as the "Housing Element Program EIR." Pursuant to CEQA Guidelines Section 15168(c)(4), the following air quality analysis is provided in support of the Project's determination of consistency with the scope of the program analyzed in the Program EIR and its environmental impacts. The following Housing Element EIR mitigation measures (MMs) are addressed herein:

- Housing Element MM 4.2-2(a) Construction Emission Reductions
- Housing Element MM 4.2-1(b) Operational Emissions Reduction
- Housing Element MM 4.2-3 Construction TAC Reduction Measures

2 Environmental Setting

2.1 Air Quality Background

Air Quality and Public Health

Certain air pollutants have been recognized to cause notable health problems and consequential damage to the environment either directly or in reaction with other pollutants, due to their presence in elevated concentrations in the atmosphere. Such pollutants have been identified and regulated as part of an overall endeavor to prevent further deterioration and to facilitate improvement in air quality. The National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) have been set at levels considered safe to protect public health, including the health of sensitive populations such as asthmatics, children, and the elderly with a margin of safety, and to protect public welfare, including protection against decreased visibility and damage to animals, crops, vegetation, and buildings.[1] As the scientific methods for the study of air pollution health effects have progressed over the past decades, adverse effects have been shown to occur at lower levels of exposure. For some pollutants, no clear thresholds for effects have been demonstrated. New findings over time have, in turn, led to the revision and lowering of NAAQS which, in the judgment of the U.S. Environmental Protection Agency (USEPA), are necessary to protect public health. Ongoing assessments of the scientific evidence from health studies continue to be an important part of setting and informing revisions to federal and state air quality standards[2]. The NAAQS and CAAQS are listed in Table 1 on page 9.

At the regional level, the South Coast Air Quality Management District (SCAQMD) is the regulatory agency responsible for improving air quality for large areas of Los Angeles, Orange County, Riverside and San Bernardino Counties, including the Coachella Valley.[3] The City of Los Angeles is located within the South Coast Air Basin (Air Basin) which is a distinct geographic subarea within the SCAQMD's jurisdiction. The SCAQMD, together with the Southern California Association of Governments (SCAG), has the responsibility for ensuring that national and state ambient air quality standards are achieved and maintained for the Air Basin. Failure to comply with these standards puts state and local agencies at risk for penalties in the form of lawsuits, fines, a federal takeover of state implementation plans, and a loss of funds from federal agencies such as the Federal Highway Administration and Federal Transit Administration.

To meet the air quality standards, regional plans are developed, including the SCAQMD's Air Quality Management Plan (AQMP), which incorporates regional demographic projections and integrated regional land use and transportation strategies from SCAG's Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). These plans work together to examine multiple pollutants, cumulative effects, and transport issues related to attaining healthful air quality in the region. In addition, a host of regulatory standards at the federal, state, regional, and local level function to identify and limit exposure of air pollutants and toxic air contaminants (TACs).

1 USEPA, NAAQS Table, https://www.epa.gov/criteria-air-pollutants/naaqs-table. Accessed September 24, 2021.
2 SCAQMD, *Final 2016 AQMP,* 2017. Appendix I-69. https://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2016-air-quality-management-plan/final-2016-aqmp/appendix-i.pdf?sfvrsn=14. Accessed September 24, 2021.
3 SCAQMD, *Map of Jurisdiction*, http://www.aqmd.gov/docs/default-source/default-document-library/map-of-jurisdiction.pdf. Accessed September 24, 2021.

Local Air Quality and Air Pollution Sources

As mentioned above, the City of Los Angeles is located within the South Coast Air Basin, which is an approximately 6,745-square-mile area bounded by the Pacific Ocean to the west; the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east; and San Diego County to the south. The Air Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the Coachella Valley area in Riverside County. The regional climate within the Air Basin is considered semi-arid and is characterized by warm summers, mild winters, infrequent seasonal rainfall, moderate daytime onshore breezes, and moderate humidity. The air quality within the Air Basin is primarily influenced by meteorology and a wide range of emissions sources, such as dense population centers, heavy vehicular traffic, and industry.

The Air Basin experiences a persistent temperature inversion (increasing temperature with increasing altitude) as a result of the Pacific high. This inversion limits the vertical dispersion of air contaminants, holding them relatively near the ground. As the sun warms the ground and the lower air layer, the temperature of the lower air layer approaches the temperature of the base of the inversion (upper) layer until the inversion layer finally breaks, allowing vertical mixing with the lower layer. This phenomenon is observed in mid to late afternoons on hot summer days. Winter inversions frequently break by midmorning.

The combination of stagnant wind conditions and low inversions produces the greatest pollutant concentrations. On days of no inversion or high wind speeds, ambient air pollutant concentrations are lowest. During periods of low inversions and low wind speeds, air pollutants generated in urbanized areas are transported predominantly onshore into Riverside and San Bernardino counties. In the winter, the greatest pollution problem is the accumulation of carbon monoxide (CO) and nitrogen oxides (NO_X) due to low inversions and air stagnation during the night and early morning hours. In the summer, the longer daylight hours and the brighter sunshine combine to cause a reaction between hydrocarbons and NO_X to form photochemical smog.

Air pollutant emissions within the Air Basin are generated primarily by stationary and mobile sources. Stationary sources can be divided into two major subcategories: point and area sources. Point sources occur at a specific location and are often identified by an exhaust vent or stack. Examples include boilers or combustion equipment that produce electricity or generate heat. Area sources are widely distributed and include such sources as residential and commercial water heaters, painting operations, lawn mowers, agricultural fields, landfills, and some consumer products. Mobile sources refer to emissions from motor vehicles, including tailpipe and evaporative emissions, and are classified as either on-road or off-road. On-road sources may be legally operated on roadways and highways. Off-road sources include aircraft, ships, trains, and self-propelled construction equipment. Air pollutants can also be generated by the natural environment, such as when high winds suspend fine dust particles.

Air Pollutant Types

Criteria Pollutants

The six principal pollutants for which national and state criteria and standards have been promulgated, known as “criteria pollutants”, and which are most relevant to current air quality planning and regulation in the Air Basin include: ozone (O_3), respirable and fine particulate matter (PM_{10} and $PM_{2.5}$, respectively), carbon monoxide (CO), nitrogen dioxide (NO_2), sulfur dioxide (SO_2), and lead (Pb). These pollutants are referred to as “criteria air pollutants” as a result of the specific standards, or criteria, which have been adopted for them.

Ozone (O_3)

O_3 is a gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO_X) - both byproducts of internal combustion engine exhaust - undergo slow photochemical reactions in the presence of sunlight. O_3 concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable. An elevated level of O_3 irritates the lungs and breathing passages, causing coughing and pain in the chest and throat, thereby increasing susceptibility to respiratory infections and reducing the ability to exercise. Effects are more severe in people with asthma and other respiratory ailments. Long-term exposure may lead to scarring of lung tissue and may lower lung efficiency.

Particulate Matter (PM_{10} and $PM_{2.5}$)

Particulate matter pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter can form when gases emitted from industries and motor vehicles undergo chemical reactions in the atmosphere. Respirable and fine particulate matter, PM_{10} and $PM_{2.5}$, consist of extremely small, suspended particles or droplets 10 microns and 2.5 microns or smaller in diameter, respectively. Some sources of particulate matter, like pollen and windstorms, are naturally occurring. However, in areas like the City of Los Angeles, most particulate matter is caused by road dust, diesel soot, combustion products, abrasion of tires and brakes, and construction activities. The human body naturally prevents the entry of larger particles into the body. However, small particles can enter the body and become trapped in the nose, throat, and upper respiratory tract. These small particulates can potentially aggravate existing heart and lung diseases, change the body's defenses against inhaled materials, and damage lung tissue. The elderly, children, and those with chronic lung or heart disease are most sensitive to PM_{10} and $PM_{2.5}$. Lung impairment can persist for two to three weeks after exposure to high levels of particulate matter. Some types of particulates can become toxic after inhalation due to the presence of certain chemicals and their reaction with internal body fluids.

Carbon Monoxide (CO)

CO is a colorless, odorless gas primarily emitted from combustion processes and motor vehicles due to incomplete combustion of carbon-containing fuels such as gasoline or wood. In urban areas, such as the City of Los Angeles, automobile exhaust accounts for the majority of CO emissions. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike O_3, motor vehicles operating at slow speeds are the primary source of CO in the Air Basin. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections. Elevated concentrations of CO weaken the heart's contractions and lower the amount of oxygen carried by the blood. It is especially dangerous for people with chronic heart disease. Inhalation of CO can cause nausea, dizziness, and headaches at moderate concentrations and can be fatal at high concentrations.

Nitrogen Dioxide (NO_2)

Nitrogen dioxide is a nitrogen oxide compound that is produced by the combustion of fossil fuels, such as in internal combustion engines (both gasoline and diesel powered), as well as point sources, especially power plants. Of the seven types of NO_X compounds, NO_2 is the most abundant in the atmosphere. As ambient concentrations of NO_2 are related to traffic density, commuters in heavy traffic areas, such as urban areas like the City of Los Angeles, may be exposed to higher concentrations of NO_2 than those indicated by regional monitors. NO_2 absorbs blue light

and results in a brownish-red cast to the atmosphere and reduced visibility. NO_2 also contributes to the formation of PM_{10}. Nitrogen oxides irritate the nose and throat, and increase one's susceptibility to respiratory infections, especially in people with asthma. The principal concern of NO_X is as a precursor to the formation of O_3.

Sulfur Dioxide (SO_2)

Sulfur oxides (SO_X) are compounds of sulfur and oxygen molecules. SO_2 is the predominant form found in the lower atmosphere and is a product of burning sulfur or burning materials that contain sulfur. Major sources of SO_2 include power plants, large industrial facilities, diesel vehicles, and oil-burning residential heaters. Generally, the highest levels of SO_2 are found near large industrial complexes. In recent years, SO_2 concentrations have been reduced by the increasingly stringent controls placed on stationary source emissions of SO_2 and limits on the sulfur content of fuels. Emissions of SO_2 aggravate lung diseases, especially bronchitis. It also constricts the breathing passages, especially in asthmatics and people involved in moderate to heavy exercise. SO_2 potentially causes wheezing, shortness of breath, and coughing. High levels of particulates appear to worsen the effect of SO_2, and long-term exposures to both pollutants leads to higher rates of respiratory illness.

Lead (Pb)

Lead is a metal found naturally in the environment as well as in manufactured products. The highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions to the air are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. Lead is also emitted from the sanding or removal of old lead-based paint. Lead emissions are primarily a regional pollutant. Lead affects the brain and other parts of the body's nervous system. Exposure to lead in very young children impairs the development of the nervous system, kidneys, and blood forming processes in the body.

Additional Criteria Pollutants (California Only)

In addition to the national standards, the State of California regulates State-identified criteria pollutants, including sulfates, hydrogen sulfide, visibility-reducing particles, and vinyl chloride. With respect to the State-identified criteria pollutants, most land use development projects either do not emit them (i.e., hydrogen sulfide (nuisance odor) and vinyl chloride), or otherwise account for these pollutants (i.e., sulfates and visibility reducing particles) through other criteria pollutants. For example, sulfates are associated with SO_X emissions, and visibility-reducing particles are associated with particulate matter emissions. A description of the health effects of the State-identified criteria air pollutants is provided below.

Sulfates (SO_4^2)

Sulfates are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and/or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized during the combustion process and subsequently converted to sulfate compounds in the atmosphere. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms, and an increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to the fact that they are usually acidic, can harm ecosystems and damage materials and property.

Hydrogen Sulfide (H_2S)

H_2S is a colorless gas with the odor of rotten eggs. The most common sources of H_2S emissions are oil and natural gas extraction and processing, and natural emissions from geothermal fields. Industrial sources of H_2S include petrochemical plants and kraft paper mills. H_2S is also formed during bacterial decomposition of human and animal wastes, and is present in emissions from sewage treatment facilities and landfills.[4] Exposure to H_2S can induce tearing of the eyes and symptoms related to overstimulation of the sense of smell, including headache, nausea, or vomiting; additional health effects of eye irritation have only been reported with exposures greater than 50 parts per million (ppm), which is considerably higher than the odor threshold.[5] H_2S is regulated as a nuisance based on its odor detection level; if the standard were based on adverse health effects, it would be set at a much higher level.[6]

Visibility-Reducing Particles

Visibility-reducing particles come from a variety of natural and manmade sources and can vary greatly in shape, size and chemical composition. Visibility reduction is caused by the absorption and scattering of light by the particles in the atmosphere before it reaches the observer. Certain visibility-reducing particles are directly emitted to the air, such as windblown dust and soot, while others are formed in the atmosphere through chemical transformations of gaseous pollutants (e.g., sulfates, nitrates, organic carbon particles) which are the major constituents of particulate matter. As the number of visibility-reducing particles increases, more light is absorbed and scattered, resulting in less clarity, color, and visual range.[7] Exposure to some haze-causing pollutants have been linked to adverse health impacts similar to PM_{10} and $PM_{2.5,}$ as discussed above.[8]

Vinyl Chloride

Vinyl chloride is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products and is generally emitted from industrial processes. Other major sources of vinyl chloride have been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.[9] Short-term health of effects of exposure to high levels of vinyl chloride in the air include central nervous system effects, such as dizziness, drowsiness, and headaches while long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage and has been shown to increase the risk of angiosarcoma, a rare form of liver cancer in humans.[10] Most health data on vinyl chloride relate to carcinogenicity; thus, the people most at risk are those who have long-term exposure to elevated levels, which is more likely to occur in occupational or industrial settings; however, control methodologies applied to industrial facilities generally prevent emissions to the ambient air.[11]

4 California Air Resources Board, Hydrogen Sulfide & Health, https://ww2.arb.ca.gov/resources/hydrogen-sulfide-and-health. Accessed September 24, 2021.
5 California Air Resources Board, Hydrogen Sulfide & Health, 2019.
6 California Air Resources Board, Hydrogen Sulfide & Health,2019.
7 California Air Resources Board, Visibility-Reducing Particles and Health, last reviewed October 11, 2016, https://www.arb.ca.gov/research/aaqs/common-pollutants/vrp/vrp.htm. Accessed September 24, 2021.
8 California Air Resources Board, Visibility-Reducing Particles and Health.
9 California Air Resources Board, Vinyl Chloride & Health, https://ww2.arb.ca.gov/resources/vinyl-chloride-and-health. Accessed September 24, 2021.
10 California Air Resources Board, Vinyl Chloride & Health.
11 California Air Resources Board, Vinyl Chloride & Health.

Volatile Organic Compounds (VOCs) and Toxic Air Contaminants (TACs)

Although the SCAQMD's primary mandate is attaining the NAAQS and the CAAQS for criteria pollutants within the district, SCAQMD also has a general responsibility to control emissions of air contaminants and prevent endangerment to public health. As a result, the SCAQMD has regulated pollutants other than criteria pollutants such as VOCs, TACs, greenhouse gases, and stratospheric ozone-depleting compounds.

VOCs

VOCs are organic chemical compounds of carbon and are not "criteria" pollutants themselves; however, VOCs are a prime component (along with NO_X) of the photochemical processes by which such criteria pollutants as O_3, nitrogen dioxide, and certain fine particles are formed. They are therefore regulated as "precursors" to formation of these criteria pollutants. Some are also identified as TACs and have adverse health effects. VOCs are typically formed from combustion of fuels and/or released through evaporation of organic liquids, internal combustion associated with motor vehicle usage, and consumer products (e.g., architectural coatings, etc.).

Toxic Air Contaminants (TACs)

TACs is a term used to describe airborne pollutants that may be expected to result in an increase in mortality or serious illness or which may pose a present or potential hazard to human health, and include both carcinogens and non-carcinogens. The California Air Resources Board (CARB) and the California Office of Environmental Health Hazard Assessment (OEHHA) determine if a substance should be formally identified, or "listed," as a TAC in California. CARB has listed approximately 200 toxic substances, including those identified by the USEPA, which are identified on the California Air Toxics Program's TAC List. TACs are also not classified as "criteria" air pollutants. The greatest potential for TAC emissions during construction is related to diesel particulate matter (DPM) emissions associated with heavy-duty equipment. During long-term operations, sources of DPM may include heavy duty diesel-fueled delivery trucks and stationary emergency generators. The effects of TACs can be diverse and their health impacts tend to be local rather than regional; consequently ambient air quality standards for these pollutants have not been established, and analysis of health effects is instead based on cancer risk and exposure levels.

2.2 Air Quality Regulatory Framework

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

- Federal Clean Air Act (CAA)
  - National Ambient Air Quality Standards (NAAQS)
- California Clean Air Act (CCAA)
  - California Ambient Air Quality Standards (CAAQS)
- California Code of Regulations (CCR)
- State Programs for Toxic Air Contaminants
- Diesel Risk Reduction Program

- South Coast Air Quality Management District (SCAQMD)'s
  - Air Quality Management Plan (AQMP) and Southern California Association of Governments' (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)
  - SCAQMD's Air Quality Guidance Documents
  - SCAQMD's Rules and Regulations
- City of Los Angeles Air Quality Element
- City of Los Angeles Plan for a Healthy LA
- City of Los Angeles Municipal Code, Ordinance No. 187,714

Federal

Federal Clean Air Act

The Federal Clean Air Act (CAA) was enacted in 1970 and has been amended numerous times in subsequent years, with the most recent amendments occurring in 1990.[12] The CAA is the comprehensive federal law that regulates air emissions in order to protect public health and welfare.[13] The USEPA is responsible for the implementation and enforcement of the CAA, which establishes federal NAAQS, specifies future dates for achieving compliance, and requires the USEPA to designate areas as attainment, nonattainment, or maintenance. The CAA also mandates that each state submit and implement a State Implementation Plan (SIP) for each criteria pollutant for which the state has not achieved the applicable NAAQS. The SIP includes pollution control measures that demonstrate how the standards for those pollutants will be met. The sections of the CAA most applicable to land use development projects include Title I (Nonattainment Provisions) and Title II (Mobile Source Provisions).[14]

Title I requirements are implemented for the purpose of attaining NAAQS for criteria air pollutants. Table 1, *Ambient Air Quality Standards*, shows the NAAQS currently in effect for each criteria pollutant. The Air Basin fails to meet national standards for O_3 and $PM_{2.5}$ and, therefore, is considered a federal "non-attainment" area for these pollutants.

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

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

12 42 United States Code §7401 et seq. (1970).

13 United States Environmental Protection Agency, Summary of the Clean Air Act, https://www.epa.gov/laws-regulations/summary-clean-air-act. Accessed September 24, 2021.

14 United States Environmental Protection Agency, Clean Air Act Overview, Clean Air Act Table of Contents by Title, Last Updated January 3, 2017, https://www.epa.gov/clean-air-act-overview/clean-air-act-text. Accessed September 24, 2021. As shown therein, Title I addresses nonattainment areas and Title II addresses mobile sources.

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Period	Federal Standard[a,b]	California Standard[a,b]	South Coast Air Basin Attainment Status[c]	
				Federal Standard[d]	California Standard[d]
Ozone (O_3)	1-hour	—	0.09 ppm (180 µg/m³)	—	Non-Attainment
	8-hour	0.070 ppm (137 µg/m³)	0.07 ppm (137 µg/m³)	Non-Attainment (Extreme)	Non-Attainment
Respirable Particulate Matter (PM_{10})	24-hour	150 µg/m³	50 µg/m³	Attainment	Non-Attainment
	Annual	—	20 µg/m³		
Fine Particulate Matter ($PM_{2.5}$)[f]	24-hour	35 µg/m³	—	Non-Attainment (Serious)	Non-Attainment
	Annual	9 µg/m³	9 µg/m³		
Carbon Monoxide (CO)	1-hour	35 ppm (40 mg/m³)	20 ppm (23 mg/m³)	Attainment	Attainment
	8-hour	9 ppm (10 mg/m³)	9.0 ppm (10 mg/m³)		
Nitrogen Dioxide (NO_2)	1-hour	0.10 ppm (188 µg/m³)	0.18 ppm (339 µg/m³)	Unclassified/ Attainment	Attainment
	Annual	0.053 ppm (100 µg/m³)	0.030 ppm (57 µg/m³)		
Sulfur Dioxide (SO_2)	1-hour	0.075 ppm (196 µg/m³)	0.25 ppm (655 µg/m³)	Unclassified/ Attainment	Attainment
	3-hour	0.5 ppm (1,300 µg/m³)	—		
	24-hour	0.14 ppm (365 µg/m³)	0.04 ppm (105 µg/m³)		
	Annual	0.03 ppm (80 µg/m³)	—		
Lead (Pb)	30-day average	—	1.5 µg/m³	Partial Non-Attainment[e]	Attainment
	Rolling 3-month average	0.15 µg/m³	—		

Table 1. Ambient Air Quality Standards

Pollutant	Averaging Period	Federal Standard[a,b]	California Standard[a,b]	South Coast Air Basin Attainment Status[c]	
				Federal Standard[d]	California Standard[d]
Sulfates	24-hour	—	25 µg/m³	—	Attainment
Hydrogen Sulfide (H2S)	1-hour	—	0.03 ppm (42 µg/m³)	—	Unclassified

Sources: United States Environmental Protection Agency, NAAQS Table, https://www.epa.gov/criteria-air-pollutants/naaqs-table. Accessed September 24, 2021.
CARB, Ambient Air Quality Standards May 4, 2016, https://ww3.arb.ca.gov/research/aaqs/aaqs2.pdf. Accessed September 24, 2021.
Notes:
ppm = parts per million by volume
µg/m³ = micrograms per cubic meter
[a] An ambient air quality standard is a concentration level expressed in either parts per million or micrograms per cubic meter and averaged over a specific time period (e.g., 1 hour). The different averaging times and concentrations are meant to protect against different exposure effects. Some ambient air quality standards are expressed as a concentration that is not to be exceeded. Others are expressed as a concentration that is not to be equaled or exceeded.
[b] Ambient Air Quality Standards based on the 2016 AQMP.
[c] "Attainment" means that the regulatory agency has determined based on established criteria, that the Air Basin meets the identified standard. "Non-attainment" means that the regulatory agency has determined that the Air Basin does not meet the standard. "Unclassified" means there is insufficient data to designate an area, or designations have yet to be made.
[d] California and Federal standard attainment status based on SCAQMD's 2016 AQMP and 2018 updates from CARB. https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations.
[e] An attainment re-designation request is pending.
[f] On February 7, 2024, the national annual $PM_{2.5}$ primary standard was lowered from 12.0 mg/m³ to 9.0 mg/m³.

State

California Clean Air Act

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

California Code of Regulations

The California Code of Regulations (CCR) is the official compilation and publication of regulations adopted, amended or repealed by state agencies pursuant to the Administrative Procedure Act. The CCR includes regulations that pertain to air quality emissions. Specifically, Section 2485 in Title 13 of the CCR states that the idling of all diesel-fueled

commercial vehicles (weighing over 10,000 pounds) during construction shall be limited to five minutes at any location. In addition, Section 93115 in Title 17 of the CCR states that operations of any stationary, diesel-fueled, compression-ignition engines shall meet specified fuel and fuel additive requirements and emissions standards.

State Programs for Toxic Air Contaminants

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

Diesel Risk Reduction Program

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

Regional

South Coast Air Quality Management District (SCAQMD)

The SCAQMD is primarily responsible for planning, implementing, and enforcing air quality standards for the South Coast Air Basin. The Air Basin is a subregion within the western portion of the SCAQMD jurisdiction, as the SCAQMD also regulates portions of the Salton Sea Air Basin and Mojave Desert Air Basin within Riverside County.

Air Quality Management Plan and RTP/SCS

To meet the NAAQS and CAAQS, the SCAQMD has adopted a series of AQMPs, which serve as a regional blueprint to develop and implement an emission reduction strategy that will bring the area into attainment with the standards in a timely manner. The AQMP includes strategies to ensure that rapidly approaching attainment deadlines for O_3 and $PM_{2.5}$ are met and that public health is protected to the maximum extent feasible. The most significant air quality challenge in the Air Basin is to reduce NO_X emissions[15] sufficiently to meet the upcoming O_3 standard deadlines, as NO_X plays a critical role in the creation of O_3. The AQMP's strategy to meet the 8-hour O_3 standard in 2023 should lead to sufficient NO_X emission reductions to attain the 1-hour O_3 standard by 2022. Since NO_X emissions also lead to the formation of $PM_{2.5}$, the NO_X reductions needed to meet the O_3 standards will likewise lead to improvement of $PM_{2.5}$ levels and attainment of $PM_{2.5}$ standards.[16] [17]

The SCAQMD's strategy to meet the NAAQS and CAAQS distributes the responsibility for emission reductions across federal, state and local levels and industries. The 2016 AQMP is composed of stationary and mobile source emission reductions from traditional regulatory control measures, incentive-based programs, co-benefits from climate programs, mobile source strategies, and reductions from federal sources, which include aircraft, locomotives and ocean-going vessels. These strategies are to be implemented in partnership with the CARB and USEPA.

The AQMP also incorporates the transportation strategy and transportation control measures from SCAG's adopted 2016-2040 RTP/SCS.[18] SCAG is the regional planning agency for Los Angeles, Orange, Ventura, Riverside, San Bernardino, and Imperial Counties, and addresses regional issues relating to transportation, the economy, community development and the environment. SCAG coordinates with various air quality and transportation stakeholders in Southern California to ensure compliance with the federal and state air quality requirements. Pursuant to California Health and Safety Code Section 40460, SCAG has the responsibility of preparing and approving the portions of the AQMP relating to the regional demographic projections and integrated regional land use, housing, employment, and transportation programs, measures, and strategies. SCAG is required by law to ensure that transportation activities "conform" to, and are supportive of, the goals of regional and state air quality plans to attain the NAAQS. The RTP/SCS includes transportation programs, measures, and strategies generally designed to reduce vehicle miles traveled (VMT), which are contained in the AQMP. The SCAQMD combines its portion of the AQMP with those prepared by SCAG.[19] The RTP/SCS and Transportation Control Measures, included as Appendix IV-C of the 2016 AQMP for the Air Basin, are based on SCAG's 2016-2040 RTP/SCS.

The 2016 AQMP forecasts the 2031 emissions inventories ''with growth'' based on SCAG's 2016-2040 RTP/SCS. The region is projected to see a 12 percent growth in population, 16 percent growth in housing units, 23 percent growth in employment, and 8 percent growth in vehicle miles traveled between 2012 and 2031. Despite regional

15 NOx emissions are a precursor to the formation of both O_3 and secondary $PM_{2.5}$.
16 Estimates are based on the inventory and modeling results and are relative to the baseline emission levels for each attainment year (see Final 2016 AQMP for detailed discussion).
17 SCAQMD, *Final 2016 AQMP*, 2017. Page ES-2. http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp. Accessed September 24, 2021.
18 SCAG, *Final 2016 RTP/SCP*, 2016. http://scagrtpscs.net/Pages/FINAL2016RTPSCS.aspx. Accessed September 24, 2021.
19 SCAQMD, *Final 2016 AQMP*, 2017. Page ES-2. http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan/final-2016-aqmp. Accessed September 24, 2021.

growth in the past, air quality has improved substantially over the years, primarily due to the effects of air quality control programs at the local, state and federal levels.[20]

On September 3, 2020, SCAG's Regional Council adopted the 2020-2045 RTP/SCS. The 2020-2045 RTP/SCS was determined to conform to the federally-mandated state implementation plan (SIP), for the attainment and maintenance of NAAQS standards. On October 30, 2020, CARB also accepted SCAG's determination that the SCS met the applicable state greenhouse gas emissions targets.

The 2022 AQMP[21] was adopted December 2, 2022, and is the most recently adopted AQMP for the SCAB. The 2022 AQMP builds upon measures already in place from previous AQMPs discussed above. It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NOx technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and other CAA measures to achieve the 2015 8-hour ozone standard.

The 2022 AQMP uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by SCAG for its 2020–2045 RTP/SCS. SCAQMD uses this document, which is based in large part on general plans for cities and counties in the SCAB, to develop the AQMP emissions inventory (SCAQMD 2022).[22] SCAQMD derived future-year emissions using: (1) emissions from the 2018 base year, (2) expected controls after implementation of the South Coast AQMP rules adopted by October 2020 and rule 1109.1 and CARB regulations adopted by December 2021, and (3) activity growth in various source categories between the base and future years. The SCAG RTP/SCS, and associated Regional Growth Forecast, are generally consistent with the local plans.

The next iteration of the SCAG's RTP/SCS, the 2024–2050 RTP/SCS, was adopted on April 4, 2024. The 2024–2050 RTP/SCS builds from the policy directions established in the 2020–2045 RTP/SCS and more recent policy directions from SCAG's Regional Council to reflect additional issues including racial equity, resilience and conservation, climate change, next generation infrastructure, and the economy. The 2024–2050 RTP/SCS goals fall into four core categories: mobility, communities, environment, and economy.[23] While the 2024–2050 RTP/SCS is the latest RTP/SCS, the 2022 AQMP applies the SCAG growth forecast from the 2020–2045 RTP/SCS; as such, the forecasts from the 2020–2045 RTP/SCS are discussed and analyzed herein.

20 SCAQMD, Figure 1-4 of the Final 2016 AQMP.
21 SCAQMD, *Final 2022 AQMP*, December 2022. http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan
22 Information necessary to produce the emissions inventory for the SCAB is obtained from the SCAQMD and other governmental agencies, including the California Air Resources Board, Caltrans, and SCAG. Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their *2020 Regional Transportation Plan/Sustainable Communities Strategy* are integrated in the 2022 AQMP (SCAQMD 2022).
23 SCAG, *2024–2050 RTP/SCS*, 2024. https://scag.ca.gov/sites/main/files/file-attachments/23-2987-connect-socal-2024-final-complete-040424.pdf?1714175547. Accessed May 24, 2024.

SCAQMD Air Quality Guidance Documents

The SCAQMD published the *CEQA Air Quality Handbook* (approved by the AQMD Governing Board in 1993) to provide local governments with guidance for analyzing and mitigating Project-specific air quality impacts.[24] The *CEQA Air Quality Handbook* provides standards, methodologies, and procedures for conducting air quality analyses. However, the SCAQMD is currently in the process of replacing the *CEQA Air Quality Handbook* with the *Air Quality Analysis Guidance Handbook*. While this process is underway, the SCAQMD has provided supplemental guidance on the SCAQMD website[25].

The SCAQMD has also adopted land use planning guidelines in its *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*, which considers impacts to sensitive receptors from facilities that emit TAC emissions.[26] SCAQMD's siting distance recommendations are the same as those provided by CARB (e.g., a 500-foot siting distance for sensitive land uses proposed in proximity to freeways and high-traffic roads, and the same siting criteria for distribution centers and dry cleaning facilities). The SCAQMD's document introduces land use-related policies that rely on design and distance parameters to minimize emissions and lower potential health risk. SCAQMDs guidelines are voluntary initiatives recommended for consideration by local planning agencies.

The SCAQMD has published a guidance document called the *Final Localized Significance Threshold Methodology* for CEQA evaluations that is intended to provide guidance when evaluating the localized effects from mass emissions during construction or operation of a Project.[27] The SCAQMD adopted additional guidance regarding $PM_{2.5}$ emissions in a document called *Final Methodology to Calculate Particulate Matter (PM)2.5 and $PM_{2.5}$ Significance Thresholds*.[28] The latter document has been incorporated by the SCAQMD into its CEQA significance thresholds and *Final Localized Significance Threshold Methodology*.

SCAQMD Rules and Regulations

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

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

- **Rule 401 – Visible Emissions:** This rule states that a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more

[24] South Coast Air Quality Management District, CEQA Air Quality Handbook 1993, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ceqa-air-quality-handbook-(1993). Accessed June 2018.

[25] SCAQMD, *Air Quality Analysis Guidance,* http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook#. Accessed September 24, 2021.

[26] South Coast Air Quality Management District, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, 2005, http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf?sfvrsn=4. Accessed September 24, 2021.

[27] South Coast Air Quality Management District, Final Localized Significance Threshold Methodology, 2008, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds. Accessed September 24, 2021.

[28] South Coast Air Quality Management District, Final Methodology to Calculate Particulate Matter (PM)2.5 and $PM_{2.5}$ Significance Thresholds, 2006, http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/particulate-matter-(pm)-2.5-significance-thresholds-and-calculation-methodology/final_pm2_5methodology.pdf?sfvrsn=2. Accessed September 24, 2021.

than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart or of such opacity as to obscure an observer's view.

- **Rule 402 – Nuisance:** This rule states that a person shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.
- **Rule 403 – Fugitive Dust:** This rule requires projects to prevent, reduce or mitigate fugitive dust emissions from a site. Rule 403 restricts visible fugitive dust to the project property line, restricts the net PM_{10} emissions to less than 50 micrograms per cubic meter (µg/m3) and restricts the tracking out of bulk materials onto public roads. Additionally, projects must utilize one or more of the best available control measures (identified in the tables within the rule). Mitigation measures may include adding freeboard to haul vehicles, covering loose material on haul vehicles, watering, using chemical stabilizers and/or ceasing all activities. Finally, a contingency plan may be required if so determined by the USEPA.

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

- **Rule 1113 – Architectural Coatings:** This rule requires manufacturers, distributors, and end users of architectural and industrial maintenance coatings to reduce VOC emissions from the use of these coatings, primarily by placing limits on the VOC content of various coating categories.
- **Rule 1138 – Control of Emissions from Restaurant Operations:** This rule specifies PM and VOC emissions and odor control requirements for commercial cooking operations that use chain-driven charbroilers to cook meat.

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

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

Local

City of Los Angeles General Plan

Air Quality Element

Local jurisdictions, such as the City, have the authority and responsibility to reduce air pollution through their land use decision-making authority. Specifically, the City is responsible for the assessment and mitigation of air emissions resulting from its land use decisions. In general, the City of Los Angeles' General Plan (including the Framework, Air Quality, Mobility 2035, and Health and Wellness Elements) and the City of Los Angeles' Green New

Deal (Sustainable pLAn 2019) contain policies and programs for the protection of the environment and health through improved air quality. These serve to provide additional critical guidance for the betterment of public health for the region and City.

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

The Air Quality Element establishes six goals:

- Good air quality in an environment of continued population growth and healthy economic structure;
- Less reliance on single-occupant vehicles with fewer commute and non-work trips;
- Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand-management techniques;
- Minimal impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation and air quality;
- Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels and the implementation of conservation measures including passive measures such as site orientation and tree planting; and
- Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution

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

Plan for a Healthy Los Angeles

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

City of Los Angeles Municipal Code

Chapter IX of the LAMC, Sections 99.02.202, 99.04.106.8, and 99.05.106.14, requires that all new buildings be all-electric buildings, with some exceptions. Equipment typically powered by natural gas, such as space heating, water heating, cooking appliances and clothes drying, would need to be powered by electricity for new construction. Exceptions are made for commercial restaurants, hospitals, laboratories, and research and development uses.

2.3 Existing Conditions

Project Site

The Project Site is approximately 3.7 acres in size. It is made up of two parcels, one of which is currently occupied by the A-1 Trailer Park. The other parcel was formerly used as a vehicle storage lot but is now a vacant surface parking lot. The Project Site is bordered to the north by Pacific Coast Highway, to the east by an auto repair shop and a surface parking lot that is used by Kaiser Permanente, to the south by West 259th Street, which is a cul-de-sac that dead ends at the Kaiser Permanente surface parking lot, and to the west by Frampton Avenue. To the south of West 259th Street are multi-family residential buildings.

Sensitive Receptors

The nearest sensitive receptors are multi-family residential buildings to the south of West 259th Street, located approximately 40 feet from the Project Site. Other sensitive receptors in the area consist of single- and multi-family residences approximately 300 feet (and beyond) to the north, northwest, and northeast of the Project Site, as well as a hospital approximately 500 feet to the southeast.

3 Project Impacts

3.1 Thresholds of Significance

The following thresholds are adopted to aid in the determination of the Project's air quality impacts:

State CEQA Guidelines: Appendix G

In accordance with Appendix G of the CEQA Guidelines, the Project would have a significant impact related to air quality if the Project would:

A. Conflict with or obstruct implementation of the applicable air quality plan?
B. Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?
C. Expose sensitive receptors to substantial pollutant concentrations?
D. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

This analysis relies on the Appendix G Thresholds. To answer the Appendix G Threshold questions, the analysis uses factors and considerations identified below from the City's CEQA guidance, as appropriate, and other guidance from the SCAQMD.

SCAQMD CEQA Air Quality Handbook

To assist in answering the Appendix G Threshold questions and thresholds provided by SCAQMD, the City uses SCAQMD's CEQA Air Quality Handbook and the thresholds of significance below as the guidance documents for the environmental review of development proposals within the SCAB. Table IV.B-4 shows the currently recommended supplemental thresholds by SCAQMD in the CEQA Air Quality Handbook, which is intended to translate the CEQA Guidelines thresholds into numerical values or performance standards.

Construction

Based on the criteria set forth in SCAQMD's CEQA Air Quality Handbook, the Project may have a significant impact with regard to construction emissions if any of the following would occur:

- Regional emissions from both direct and indirect sources exceed any of the SCAQMD prescribed threshold levels identified in Table 2.

Table 2. SCAQMD Air Quality Significance Thresholds

Mass Daily Thresholds		
Pollutant	**Construction**	**Operation**
NO_x	100 pounds/day	55 pounds/day
VOC[a]	75 pounds/day	55 pounds/day
PM_{10}	150 pounds/day	150 pounds/day
$PM_{2.5}$	55 pounds/day	55 pounds/day
SO_x	150 pounds/day	150 pounds/day
CO	550 pounds/day	550 pounds/day
Lead	3 pounds/day	3 pounds/day
Toxic Air Contaminants and Odor Thresholds		
Toxic Air Contaminants (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Hazard Index ≥ 1.0 (Project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Greenhouse Gases	10,000 MT/yr CO_2e for industrial facilities	
Ambient Air Quality for Criteria Pollutants[b]		
NO_2 1-hour average Annual arithmetic mean	SCAQMD is in attainment; Project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.10 ppm (federal)c 0.03 ppm (State)	
PM_{10} 24-hour average	10.4 µg/m³ (construction)[d] & 2.5 µg/m³ (operation)	

Table 2. SCAQMD Air Quality Significance Thresholds

Mass Daily Thresholds	
Annual average	1.0 µg/m³
$PM_{2.5}$ 24-hour average	 10.4 µg/m³ (construction)[e] & 2.5 µg/m³ (operation)
SO_2 1-hour average 24-hour average	 0.25 ppm (State) & 0.075 ppm (federal – 99th percentile) 0.04 ppm (State)
Sulfate 24-hour average	 25 µg/m³ (State)
CO 1-hour average 8-hour average	SCAQMD is in attainment; Project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (State) and 25 ppm (federal) 9.0 ppm (State/federal)
Lead 30-day average Rolling 3-month average	 1.5 µg/m³ (State)[e] 0.15 µg/m³ (federal)

Sources: SCAQMD, SCAQMD CEQA Handbook, 1993; SCAQMD, Air Quality Significance Thresholds, revised April 2019.
Notes: ppm = parts per million by volume; µg/m³ = micrograms per cubic meter; CO = carbon monoxide; CO_2e = carbon dioxide equivalent; MT = metric tons; NO_2 = nitrogen dioxide; NO_x = oxides of nitrogen; PM_{10} = particulate matter with an aerodynamic diameter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns in diameter; ROG = reactive organic gases; SCAQMD = South Coast Air Quality Management District; SO_x = sulfur oxides; EPA = U.S. Environmental Protection Agency; VOC = volatile organic compound; ppm = parts per million; SO_2 = sulfur dioxide

[a] The definition of VOC includes ROG compounds and additional organic compounds not included in the definition of ROG. However, for the purposes of this evaluation, VOC and ROG will be considered synonymous.
[b] Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.
[c] In January 2010, the EPA proposed a new 1-hour national air quality standard of 0.10 ppm for NO_2, which is more stringent than the State's current 1-hour threshold of 0.18 ppm. For the purposes of conducting a conservative analysis, the more stringent national one-hour standard for NO_2 is used as a threshold in the evaluation of the Project's air quality impacts.
[d] Ambient air quality threshold based on SCAQMD Rule 403.
[e] The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed Project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

- Maximum on-site daily localized emissions exceed the localized significance thresholds (LSTs), resulting in predicted ambient concentrations in the vicinity of the Project Site greater than the most stringent ambient air quality standards for CO (20 [23,000 micrograms per cubic meter (µg/m3)] over a 1-hour period or 9.0 ppm [10,530 µg/m3] averaged over an 8-hour period) and NO2 (0.18 ppm [338.4 µg/m3] over a 1-hour period, 0.1 ppm [188 µg/m3] averaged 3-year average of the 98th percentile of the daily maximum 1-hour average, or 0.03 ppm [56.4 µg/m3] averaged over an annual period).
- Maximum on-site localized PM_{10} or $PM_{2.5}$ emissions during construction exceed the applicable LSTs, resulting in predicted ambient concentrations in the vicinity of the Project Site to exceed the incremental 24-hour threshold of 10.4 µg/m3 or 1.0 µg/m3 PM_{10} averaged over an annual period.

The LST significance thresholds for NO_2 and CO represent the allowable increase in concentrations above background levels in the vicinity of a Project that would not cause or contribute to an exceedance of the relevant ambient air quality standards, while the threshold for PM_{10} represents compliance with Rule 403 (Fugitive Dust). The LST significance threshold for $PM_{2.5}$ is intended to ensure that construction emissions do not contribute

substantially to existing exceedances of the $PM_{2.5}$ ambient air quality standards. The allowable emission rates depend on the following parameters:

A. Source-receptor area (SRA) in which the Project is located
B. Size of the Project Site
C. Distance between the Project Site and the nearest sensitive receptor (e.g., residences, schools, hospitals)

The Project Site is located in SRA 2 (Northwest Coastal LA County). The SCAQMD provides guidance for applying CalEEMod to the LSTs. LST pollutant screening level concentration data is currently published for 1-, 2-, and 5-acre sites for varying distances. The maximum number of acres disturbed on the peak day was estimated using the Fact Sheet for Applying CalEEMod to Localized Significance Thresholds (SCAQMD 2014). During grading activities, fugitive dust can be generated from the movement of dirt on the Project Site. CalEEMod estimates dust from dozers moving dirt around, dust from graders or scrapers leveling the land, and loading or unloading dirt into haul trucks. Each of those activities is calculated differently in CalEEMod, based on the number of acres traversed by the grading equipment. Only some pieces of equipment generate fugitive dust in CalEEMod. The CalEEMod manual identifies various equipment and the acreage disturbed in an 8-hour day:

- Crawler tractors, graders, and rubber-tired dozers: 0.5 acres per 8-hour day
- Scrapers: 1 acre per 8-hour day

Although the look-up tables include projects up to 5 acres, projects that could disturb greater than 5 acres require dispersion modeling to determine LSTs. The analysis conservatively applies the LSTs for an interpolated 3-acre disturbance area, which is presented in Table 3.

The closest sensitive receptors would be located approximately 40 feet to the south. Therefore, the LST lookup table value for a distance of 25 meters, the lowest available, was used for the analysis. The LST values from the SCAQMD lookup tables for SRA 2 (Northwest Coastal LA County) for a disturbed acreage of 3 acres and a receptor distance of 25 meters are shown in Table 3.

Table 3. Localized Significance Thresholds for Source Receptor Area 2 (East San Gabriel Valley)

Pollutant	Threshold by Acres Disturbed Per Day (Pounds per Day)
	3-acre
NO_2	172
CO	1,062
PM_{10}	8
$PM_{2.5}$	5

Source: SCAQMD 2008.
Notes: NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
LST thresholds were determined based on the values for a distance of 25 meters from the nearest sensitive receptor.

Operations[29]

Based on the criteria set forth in SCAQMD's CEQA Air Quality Handbook, the Project may have a significant impact with regard to operational emissions if any of the following would occur:

- Regional emissions from both direct and indirect sources would exceed any of the SCAQMD-prescribed threshold levels identified in Table 2.
- Maximum on-site daily localized emissions exceed the LST, resulting in predicted ambient concentrations in the vicinity of the Project Site greater than the most stringent ambient air quality standards for CO (20 ppm over a 1-hour period, 0.1 over a 3-year average of the 98th percentile of the daily maximum 1-hour average, or 0.03 ppm averaged over an annual period).
- Maximum on-site localized operational PM_{10} and $PM_{2.5}$ emissions exceed the incremental 24-hour threshold of 2.5 µg/m^3 or 1.0 µg/m^3 PM_{10} averaged over an annual period.
- The Project causes or contributes to an exceedance of the California 1-hour or 8-hour CO standards of 20 ppm or 9.0 ppm, respectively.
- The Project creates an odor nuisance pursuant to SCAQMD Rule 402 (i.e., objectionable odor at the nearest sensitive receptor).

Toxic Air Contaminants

Based on the criteria set forth in SCAQMD's CEQA Air Quality Handbook, the Project may have a significant TAC impact, if:

- The Project emits carcinogenic or TACs that exceed the maximum incremental chronic and acute cancer risk as provided in Table 2.

In assessing impacts related to TACs in this section, the City will use Appendix G as the threshold of significance. The criteria factors identified above from the 2006 L.A. CEQA Thresholds Guide will be used where applicable and relevant to assist in analyzing the Appendix G thresholds. In addition, the following criteria factors set forth in SCAQMD's CEQA Air Quality Handbook serve as quantitative air quality standards to be used to evaluate Project impacts under Appendix G thresholds.

- The Project results in the exposure of sensitive receptors to carcinogenic or TACs that exceed the maximum incremental cancer risk of 10 in one million or an acute or chronic hazard index of 1.0. For projects with a maximum incremental cancer risk between 1 in one million and 10 in one million, a project would result in a significant impact if the cancer burden exceeds 0.5 excess cancer cases.

[29] Per the Housing Element Mitigation Monitoring Program, operational assessment is not required based on the project size as described in MM 4.2-2(b). Nevertheless, the included operation assessment is provided, applying SCAQMD thresholds, for informational purposes only.

Consistency with Applicable Air Quality Plans

Section 15125 of the State CEQA Guidelines requires an analysis of Project consistency with applicable governmental plans and policies. In accordance with SCAQMD's CEQA Air Quality Handbook,[30] the following criteria were used to evaluate the Project's consistency with SCAQMD's 2022 AQMP and SCAG's 2020–2045 RTP/SCS:

- **Criterion 1:** Will the Project result in any of the following:
  - An increase in the frequency or severity of existing air quality violations;
  - Cause or contribute to new air quality violations; or
  - Delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP?
- **Criterion 2:** Will the Project exceed the assumptions utilized in preparing the AQMP?
  - Is the Project consistent with the population and employment growth projections upon which AQMP forecasted emission levels are based;
  - Does the Project include air quality mitigation measures; or
  - To what extent is Project development consistent with the control measures set forth in the AQMP?

The Project's impacts with respect to these criteria are discussed to assess the consistency with SCAQMD's AQMP and SCAG regional plans and policies. In addition, the Project's consistency with the Air Quality Element of the General Plan is discussed.

Cumulative Impacts

Based on SCAQMD guidance, individual construction projects that exceed the SCAQMD's recommended daily thresholds for Project-specific impacts would also cause a cumulatively considerable increase in emissions for those pollutants for which the SCAB is in nonattainment. As discussed in the SCAQMD's White Paper on Potential Control Strategies to Address Cumulative Impacts from Air pollution:[31]

> As Lead Agency, the AQMD uses the same significance thresholds for Project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR… Projects that exceed the Project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason Project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the Project-specific thresholds are generally not considered to be cumulatively significant.

The cumulative analysis of air quality impacts within this Draft EIR follows SCAQMD's guidance such that construction or operational Project emissions would be considered cumulatively considerable if Project-specific emissions exceed an applicable SCAQMD recommended daily threshold.

3.2 Methodology

Although the SCAQMD is responsible for regional air quality planning efforts, it does not have the authority to directly regulate the air quality issues associated with new development projects within the SCAB, such as the Project. Instead, the SCAQMD published the CEQA Air Quality Handbook in November 1993 to assist lead agencies

30 SCAQMD, CEQA Air Quality Handbook, Chapter 12, Assessing Consistency with Applicable Regional Plans, 1993.
31 SCAQMD, Cumulative Impacts White Paper, Appendix D, August 2003.

consultants, Project proponents, and other interested parties in evaluating potential air quality impacts of projects proposed in the SCAB. The CEQA Air Quality Handbook provides standards, methodologies, and procedures for conducting air quality analyses and was used extensively in the preparation of this analysis. SCAQMD is currently in the process of replacing the CEQA Air Quality Handbook with the Air Quality Analysis Guidance Handbook.[32]

In order to assist the CEQA practitioner in conducting an air quality analysis in the interim while the replacement Air Quality Analysis Guidance Handbook is being prepared, supplemental guidance/information is provided on the SCAQMD website[33] and includes: (1) the EMission FACtors (EMFAC) model on-road vehicle emission factors, (2) background CO concentrations, (3) localized significance thresholds, (4) mitigation measures and control efficiencies, (5) mobile source toxics analysis, (6) off-road mobile source emission factors, (7) $PM_{2.5}$ significance thresholds and calculation methodology, and (8) updated SCAQMD Air Quality Significance Thresholds. The SCAQMD also recommends using approved models to calculate emissions from land use projects, such as CalEEMod. These recommendations were followed in the preparation of this analysis. Pursuant to the CEQA Guidelines (Section 15064.7), a lead agency may consider using, when available, significance thresholds established by the applicable air quality management district or air pollution control district when making determinations of significance.

The SCAQMD has also adopted land use planning guidelines in the Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning (May 2005),[34] which considers impacts to sensitive receptors from facilities that emit TAC emissions. SCAQMD's siting distance recommendations are the same as those provided by CARB, described above. The SCAQMD's document introduces land use-related policies that rely on design and distance parameters to minimize emissions and lower potential health risk. SCAQMD's guidelines are voluntary initiatives recommended for consideration by local planning agencies.

The following paragraphs describe the methodology used to analyze the Project's impacts with respect to air quality:

Construction

Emissions from the construction phase of the proposed Project were estimated using CalEEMod Version 2022.1. Construction scenario assumptions, including phasing, equipment mix, and vehicle trips, were based on information provided by the Project applicant and CalEEMod default values when Project specifics were not known.

Construction is anticipated to start in January 2026 and would last approximately 23 months, ending in November 2027. However, this air quality impact analysis uses an earlier commencement date of January 2024 (based on a construction schedule associated with the filing date of the land use application for the Project) because an earlier start date for Project construction represents a worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years. The analysis contained herein is based on the following assumptions (duration of phases is approximate, some phases overlap):

- Demolition: 1 month
- Grading: 2 months

[32] SCAQMD, Air Quality Analysis Handbook, 1993, revised March 2015.
[33] SCAQMD, Air Quality Analysis Handbook, 1993, revised March 2015.
[34] SCAQMD, Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning, May 6, 2005.

- Building Construction: 19 months
  - Framing
  - Mechanical/Electrical/Plumbing (MEP)
  - Finish and Close-out
- Architectural Coating: 7 months
- Paving: 1 month

The Project Site is currently occupied by a mobile home and a surface parking lot. The proposed Project involves the demolition/removal of these existing structures and surface parking. The demolition phase would include activities required to remove the existing mobile home park from the Project Site. As part of the first phase in the Project's construction process, the existing manufactured dwellings would be removed, as follows:

- Mobile homes: Approximately 80% of the existing mobile homes (or, 14 homes) are anticipated to be removed by residents, using heavy duty tow trucks. Approximately 20% (or, 3 homes) are anticipated to be demolished in place by the applicant's construction contractor and debris would be hauled off site using dump trucks.
- Trailers: Approximately 80% of the existing trailers (or, 18 trailers) are anticipated to be towed away by residents, using conventional pick-up trucks. Approximately 20% (or, 4 trailers) are anticipated to be towed by the applicant's construction contractor, using conventional pick-up trucks.
- Recreational Vehicles (RVs): All RVs (total of 3) are anticipated to be driven off site by the vehicle owners.

Once the manufactured homes have been relocated or demolished as identified above, all permanent structures would be demolished (utility rooms, the laundry/storage building, and the three buildings along Pacific Coast Highway), and the demolition debris would be hauled off from the Project site. Next, the asphalt, utility poles, fences, landscaping, and other improvements would be demolished and the debris would be removed from the site. In total, demolition of the mobile home park as a whole is expected to require 576 haul truck trips. On a daily basis, approximately 20 construction workers would be required. Removal of the manufactured dwellings, demolition of the permanent structures, and demolition of the other improvements (e.g., asphalt, utility poles) is expected to take approximately one month and would constitute the first phase of Project construction. Once the site has been cleared, the other construction phases would follow (grading, building construction, etc.). The analysis in this memorandum includes the closure of the mobile home park and removal of structures from the Project site.

Once the site has been cleared as described above, construction would commence on the proposed mixed-use building, consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure. For the analysis, it was generally assumed that heavy construction equipment would be operating at the site for approximately 8 hours per day, 5 days per week (22 days per month), during proposed Project construction.

Construction worker estimates and vendor truck trips by construction phase were based on information provided by the Project applicant and/or CalEEMod defaults. Haul truck trips during the grading and building phases were based on demolition and earthwork quantities provided by the applicant. During grading, it was assumed that 7,000 cubic yards of material would be exported. CalEEMod default trip length values were used for the distances for all construction-related trips.

The construction equipment mix and vehicle trips used for estimating the Project-generated construction emissions are shown in Table 4.

Table 4. Construction Scenario Assumptions

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Daily Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Demolition	40	50	576	Concrete/Industrial Saws	1	8
				Excavators	3	8
				Rubber-Tired Dozers	2	8
Grading	60	0	876	Excavators	1	8
				Graders	1	8
				Rubber-Tired Dozers	1	8
				Tractors/Loaders/Backhoes	3	8
Building Construction - Framing	350	8	0	Cranes	1	7
				Forklisfts	1	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Building Construction - MEP	350	4	0	Cranes	1	7
				Forklifts	3	8
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Building Construction - Finish and Close-out	120	6	0	Cranes	1	8
				Forklifts	3	7
				Generator Sets	1	8
				Tractors/Loaders/Backhoes	3	7
				Welders	1	8
Architectural Coating	80	0	0	Air Compressors	1	6
Paving	20	0	0	Cement and Mortar Mixers	2	6
				Pavers	1	8
				Paving Equipment	2	6
				Rollers	2	6
				Tractors/Loaders/Backhoes	1	8

Notes: See Appendix A for details.

Operation

Emissions from the operational phase of the proposed Project were estimated using CalEEMod Version 2022.1. The first full year after construction, 2026, was assumed as the first year of operation. (In actuality, the Project is anticipated to open in 2028. However, similar to construction, use of an earlier buildout year in air emissions modeling leads to more conservative results.) In addition to the proposed Project, exiting conditions were modeled to conduct an operational emissions netting analysis.

Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating, water heating, and stoves are calculated in the building energy use module of CalEEMod, as described in the following text.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products.[35] Consumer product VOC emissions are estimated in CalEEMod based on the floor area of residential and nonresidential buildings and on the default factor of pounds of VOC per building square foot per day. For parking lot land uses, CalEEMod estimates VOC emissions associated with use of parking surface degreasers based on a square footage of parking surface area and pounds of VOC per square foot per day.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers used during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of residential and nonresidential surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the residential surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating. For nonresidential land uses (e.g., retail, community, and commercial areas), it is assumed that the surface area for painting equals 2.0 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating. For the parking garage, the architectural coating area is assumed to be 6% of the total square footage, consistent with the supporting CalEEMod studies provided as an appendix to the CalEEMod User's Guide.[36]

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per residential dwelling unit per day and grams per square foot of nonresidential building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days.

[35] CAPCOA CalEEMod Version 2022.1 California Emissions Estimator Model, Appendix C Emissions Calculations Details for CalEEMod, April 2022, https://caleemod.com/documents/user-guide/04_Appendix%20C.pdf

[36] CAPCOA CalEEMod Version 2022.1 California Emissions Estimator Model, Appendix C Emissions Calculations Details for CalEEMod, April 2022, https://caleemod.com/documents/user-guide/04_Appendix%20C.pdf

Energy Sources

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage. Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the site of the power plant, which is typically off site.

The energy use from nonresidential land uses (natural gas usage per square foot per year) is calculated in CalEEMod based on the California Commercial End-Use Survey database. CalEEMod default values were used for both residential and nonresidential land uses energy consumption. CalEEMod assumes compliance with the 2019 Title 24 Building Energy Efficiency Standards. Compliance with Sections 99.02.202, 99.04.106.8, and 99.05.106.14 of the LAMC, if required, would reduce emissions in this category relative to the results shown herein.

Mobile Sources

Mobile sources for the proposed Project would be motor vehicles (i.e., automobiles and light-duty trucks) traveling to and from the Project Site. Motor vehicles may be fueled with gasoline, diesel, or alternative fuels. Default vehicle trip generation rates included in CalEEMod for each of the analyzed land uses were adjusted to match the proposed Project's trip generation rates presented in the Transportation Impact Analysis prepared for the Project (LLG 2021). CalEEMod default data, including emissions factors were conservatively used for the model inputs to estimate daily emissions from proposed vehicular sources. Emission factors representing the vehicle mix and emissions for 2026 were used to estimate emissions associated with full build-out of the proposed Project. (In actuality, the Project is anticipated to open in 2028. However, similar to construction, use of an earlier buildout year in air emissions modeling leads to more conservative results.) Trip rate assumptions for the proposed Project are shown in Table 5.

Table 5. Project Trip Rate Assumptions

Land Use	CalEEMod Land Use Surrogate	Trip Rate		
		Weekday	Saturday	Sunday
Residential Units*	Apartments Mid-Rise	5.44	4.91	4.09
Commercial Space	High-Turnover Sit-down Restaurant	112.18	122.40	142.64

Source: Appendix A for details.

* All 354 units were modeled for air quality and GHGs based on ITE Land Use Code 221, resulting in a conservative analysis, because the 42 proposed affordable housing units have a slightly lower trip rate per the City's Affordable House data (4.16 compared to 5.44 for weekdays).

3.3 Analysis of Project Impacts

Threshold a) Would the Project conflict with or obstruct implementation of the applicable air quality plan?

SCAQMD CEQA Air Quality Handbook Policy Analysis

In accordance with the procedures established in the SCAQMD's CEQA Air Quality Handbook, the following criteria are required to be addressed in order to determine the Project's consistency with applicable SCAQMD and SCAG policies:

- Whether the Project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the AAQS or interim emission reductions in the AQMP; and
- Whether the Project would exceed the assumptions in the AQMP or increments based on the year of Project buildout and phase. Is the Project consistent with the population and employment growth projections upon which AQMP forecasted emission levels are based; does the Project include air quality mitigation measures; or to what extent is Project development consistent with control measures?

1. **Criterion 1:** Whether the Project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.

To address this criterion, an air quality modeling analysis that identified the Project's impact on air quality was performed. Detailed results of the modeling conducted for the Project are included in Appendix A. CalEEMod Version 2022.1 was used to model emissions for the Project and to analyze the Project's potential to increase relevant criteria pollutants, as discussed in detail under Threshold (b) below.

As discussed under Threshold (b) below, the proposed Project would result in emissions that would not exceed the SCAQMD thresholds for VOC, NO_x, SO_x, PM_{10}, or $PM_{2.5}$ during construction or operations and would not result in a significant and unavoidable impact associated with the violation of an air quality standard. Thus, the Project would not result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.

2. **Criterion 2:** Whether the Project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

The Project would not conflict with SCAG's growth projections anticipated in the 2022 AQMP because the Project would not introduce a land use or zoning conflict with the City's designations for the Project area. The Project would replace an existing mobile home and a surface parking lot with a mixed-use building consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure.

Since the 2022 AQMP incorporated growth projections from the 2020–2045 RTP/SCS, the Project's increase in residences is compared to the growth forecast in the 2020–2045 RTP/SCS (Connect SoCal 2020). Based on Connect SoCal 2020, the City of Los Angeles is projected to have year 2045 population of 4,771,300 people. Based

on SCAG's more recent Pre-Certified Local Housing Data[37], the City of Los Angeles' population in 2020 was estimated to be 4,010,684 people and the number of housing units was estimated to be 1,517,755 with an average household size of 2.78 people per household, and the number of jobs was estimated to be 1,988,936. Population growth is usually associated with the construction of new residential units, or other infrastructure, that provides housing or employment opportunities and, resultantly, attracts new residents to an area. The Project would include the construction of 354 new housing units within the Wilmington – Harbor City Community in the City of Los Angeles. Assuming SCAG's estimate of 2.78 people per household and assuming that no existing residents moved into the proposed housing units, the Project has the potential to add 984 new residents to the local community.[38] Conservatively assuming that the 984 new residents came from outside of the City of Los Angeles metropolitan area, the proposed Project would account for approximately 0.13% of the City of Los Angeles' projected growth through 2045.[39] This estimate is well within the SCAG anticipated population projections for the City of Los Angeles. As such, the Project would not induce substantial unplanned population growth in the City. Thus, the Project's residential growth would fall within the forecasted growth for the City, and the Project would not represent a substantial or significant growth as compared to the projected population growth for the City.

The Project area is the Wilmington-Harbor City Community Plan Area which is located between the planning communities of Harbor Gateway, San Pedro, and the Port of Los Angeles, and adjacent to the cities of Torrance, Lomita, Rancho Palos Verdes, Carson, Long Beach, and an unincorporated area of Los Angeles County. The overarching goals of the Community Plan are as follows: preserving and enhancing the positive characteristics of existing residential neighborhoods while providing a variety of compatible new housing opportunities; improving the function, design, and economic vitality of the commercial corridors and industrial areas; maximizing the development opportunities around the future transit system while minimizing any adverse impacts; and planning the remaining commercial and industrial development opportunity sites for needed job producing uses that improve the economic and physical condition of the Community Plan Area.

The proposed Project would both further the overarching goals of the Community Plan and would not conflict with the City's implementation of these goals. The Project would provide new housing opportunities that would be compatible with multi-family residential neighborhoods to the south while incorporating a commercial use that would be compatible with uses to the north, east, and west and that would provide a community-serving commercial use in walking distance of proposed residences and existing nearby residences. The Project would also improve the economic vitality of the Project area by redeveloping an underutilized site with higher density residential uses and community-serving commercial business. The Project would also be required to comply with the City's Transportation Demand Management Ordinance.

In summary, the Project would not conflict with SCAG's growth projections anticipated in the 2022 AQMP because the Project would not introduce a land use or zoning conflict with the City's designations for the Project Site. Therefore, the Project would not exceed the assumptions in the AQMP.

[37] SCAG Pre-Certified Local Housing Data, City of Los Angeles. April 2021 https://scag.ca.gov/sites/main/files/file-attachments/los-angeles-he-0421.pdf?1620776467

[38] 354 proposed residential units X 2.78 people per household = 984 new residents

[39] 984 people/(4,771,300 - 4,010,684)(additional people projected through 2045) X 100 = 0.13%

City of Los Angeles Policies

The Air Quality Element of the General Plan was adopted on November 24, 1992, and sets forth the goals, objectives, and policies that guide the City in the implementation of its air quality improvement programs and strategies. The Air Quality Element acknowledges the interrelationships among transportation and land use planning in meeting the City's mobility and air quality goals.

To achieve these goals, performance-based standards have been adopted to provide flexibility in implementation of the policies and objectives of the Air Quality Element. The Air Quality Element goals, objectives, and policies relevant to the Project are summarized in the Local Regulatory Framework section above.

The Project would promote the General Plan Air Quality Element goals, objectives, and policies. The Project Site is well-located to facilitate pedestrian activity, bicycle use, and public transit use. The Metro Silver Line station is located approximately 1-mile to the east at S Figueroa St. In addition, there are also numerous bus stops located near the Project Site along Pacific Coast Hwy. The Project is situated within walking distance of retail, medical facilities, restaurant, and other commercial businesses located along Pacific Coast Hwy. Bus transit service in the Project area is provided by Metro and the Los Angeles Department of Transportation (DASH and Commuter Express transit services). The Project's proximity to the Metro Silver Line and a variety of bus stops would facilitate use of transit to access the Project Site.

In summary, the Project would not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, would not exceed the demographic growth forecasts in the SCAQMD 2016 AQMP, and would be consistent with the General Plan's Air Quality Element. Based on these considerations, impacts related to the Project's potential to conflict with or obstruct implementation of the applicable air quality plan would be less than significant.

Threshold b) Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?

The SCAB has been designated as federal nonattainment area for lead,[40] O_3, and $PM_{2.5}$, and a State nonattainment area for O_3, PM_{10}, and $PM_{2.5}$. This nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SCAB.

Construction and operation of the Project may result in emissions of criteria air pollutants from mobile, area, and stationary sources, which may cause exceedances of federal and State ambient air quality standards or contribute substantially to existing nonattainment of ambient air quality standards. The following discussion identifies potential construction and operational impacts that would result from implementation of the Project.

Construction Emissions

Construction of the Project would result in the addition of pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site

[40] The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

trucks hauling construction materials. Construction emissions can vary substantially from day to day, depending on the level of activity, the specific type of operation, and for dust, the prevailing weather conditions. Therefore, such emissions levels can only be estimated, with a corresponding uncertainty in precise ambient air quality impacts.

Implementation of the Project would generate construction-related air pollutant emissions from three general activity categories: entrained dust, equipment and vehicle exhaust emissions, and architectural coatings. Entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM_{10} and $PM_{2.5}$ emissions. Exhaust from internal combustion engines used by construction equipment and vendor trucks (delivery trucks) and worker vehicles would result in emissions of VOCs, NO_x, CO, PM_{10}, and $PM_{2.5}$. The application of architectural coatings, such as exterior/interior paint and other finishes, would also produce VOC emissions; however, per SCAQMD's Rule 1113, the VOC content of most non-specialty architectural coatings would be limited to 50 grams of VOC per liter (g/L VOC) of coating for interior application and 100 g/L VOC for exterior applications.

Table 6 presents the estimated maximum daily construction emissions generated during construction of the Project. (These emissions account for demolition and removal of the existing manufactured dwellings.) The values shown are the maximum summer or winter daily emissions results from CalEEMod. Details of the emissions calculations are provided in Appendix A.

Table 6. Estimated Maximum Daily Construction Emissions

Year	VOCs	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
2024	5.56	29.30	79.20	0.05	10.20	3.09
2025	16.40	19.10	38.50	0.04	5.04	1.48
Maximum daily emissions	**16.40**	**29.30**	**79.20**	**0.05**	**10.20**	**3.09**
SCAQMD threshold	*75*	*100*	*550*	*150*	*150*	*55*
Threshold exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Notes:
VOC = volatile organic compound; NOx = oxides of nitrogen; CO = carbon monoxide; SOx = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix A for complete results.
The values shown are the maximum summer or winter daily emissions results from CalEEMod.
These estimates reflect compliance with requirements of SCAQMD's Rule 1113.

As shown in Table 6, daily construction emissions would not exceed the SCAQMD significance thresholds for VOC, NO_x, CO, SOx, PM_{10}, or $PM_{2.5}$ during construction in all construction years. As such, criteria air pollutant impacts associated with construction would be less than significant.

Operations Emissions

Following the completion of construction activities, the Project would generate VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$ emissions from mobile sources, including vehicular traffic generated by residents, workers, and visitors, energy sources (including combustion of fuels used for space and water heating), and area sources (i.e., use of consumer products, architectural coatings for repainting, landscaping equipment). Existing land uses to be demolished include the majority of these sources, which were modeled in order to determine the baseline emissions and net increase in emissions associated with the Project development, based on incremental demolition of existing uses and construction of new

uses. The Project would replace an existing mobile home and a surface parking lot with a mixed-use building consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure. Table 7 presents the maximum daily emissions associated with the operation of the Project.

Table 7. Estimated Daily Maximum Operational Emissions

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Existing Baseline						
Area	1.51	0.62	2.63	<0.01	0.05	0.05
Energy	0.02	0.31	0.13	<0.01	0.03	0.03
Mobile	0.69	0.57	5.87	0.01	0.52	0.10
Total	**2.22**	**1.50**	**8.63**	**0.01**	**0.60**	**0.18**
Project						
Area	11.10	5.28	32.90	0.43	0.43	0.43
Energy	0.06	1.05	0.52	0.08	0.08	0.08
Mobile	5.11	4.17	43.90	0.07	3.82	0.73
Total	**16.27**	**10.50**	**77.32**	**0.58**	**4.33**	**1.24**
Net (Project minus Existing Baseline)	**14.05**	**9.00**	**68.69**	**0.57**	**3.73**	**1.06**
Emissions Threshold	*55*	*55*	*550*	*150*	*150*	*55*
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
The values shown are the maximum summer or winter daily emissions results from CalEEMod, though totals may not sum due to rounding.

As shown in Table 7, the net increase in Project emissions would not exceed the SCAQMD operational thresholds for VOC, NO_x, CO, SO_x, PM_{10}, and $PM_{2.5}$. Impacts associated with Project-generated operational criteria air pollutant emissions would be less than significant.

Threshold c) Would the Project expose sensitive receptors to substantial pollutant concentrations?

Construction

Construction activities associated with the Project would result in temporary sources of on-site fugitive dust and construction equipment emissions. Hauling of materials associated with Project construction is not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways. Emissions from the truck pass-bys would be relatively brief in nature and would cease once the trucks passes through the main streets. In addition, diesel equipment would also be subject to the CARB ATCM for in-use off-road diesel fleets, which would minimize DPM emissions. Nevertheless, Project construction emissions include those from on-site activities and include emissions from off-site mobile emissions, while operating on-site, and are estimated based on an estimated 1,000 feet of onsite operation. The maximum allowable daily emissions that would satisfy the SCAQMD localized significance criteria for SRA 2 are presented in Table 8 and compared to the maximum daily on-site construction

emissions generated over the span of all construction phases of the Project. The closest sensitive receptors would be located approximately 40 feet to the south. Therefore, the LST lookup table value for a distance of 25 meters, the lowest available, was used for the analysis. The LST values from the SCAQMD lookup tables for SRA 2 (Northwest Coastal LA County) for a disturbed acreage of 3 acres and a receptor distance of 25 meters are shown in Table 8.

Table 8. Localized Significance Thresholds Analysis for Project Construction

Pollutant	Project Construction Emissions (pound/day)	LST Criteria (pounds/day)	Exceeds LST?
NO_2	25.80	172	No
CO	33.70	1,062	No
PM_{10}	4.54	8	No
$PM_{2.5}$	2.11	5	No

Source SCAQMD, Final Localized Significance Threshold Methodology, July 2009.
Notes:
LST = localized significance threshold; NO_2 = nitrogen dioxide; CO = carbon monoxide; PM_{10} = particulate matter; $PM_{2.5}$ = fine particulate matter.
See Appendix A for complete results.
Localized significance thresholds are shown for an interpolated 3-acre Project Site corresponding to a distance to a sensitive receptor of 25 meters.
NO_x emissions from CalEEMod are compared to the NO_2 LST threshold.
These estimates reflect control of fugitive dust required by Rule 403.

LSTs represent the maximum emissions from a Project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS or CAAQS at the nearest sensitive receptor, taking into consideration ambient concentrations in each source receptor area, Project size, and distance to the nearest sensitive receptor. As shown in Table 8, construction activities would not generate emissions in excess of site-specific LSTs; therefore, site-specific construction impacts during construction of the Project would be less than significant because they would not expose sensitive receptors to substantial pollutant concentrations.

Operations - Mobile Source Carbon Monoxide Hotspots

Mobile source impacts occur on two scales of motion. Regionally, Project-related travel would add to regional trip generation and increase the vehicle miles traveled within the local airshed and the SCAB. Locally, proposed Project traffic will be added to roadways within the proposed Project area. If such traffic occurs during periods of poor atmospheric ventilation, is composed of a large number of vehicles "cold-started" and operating at pollution-inefficient speeds, and is operating on roadways already crowded with non-Project traffic, there is a potential for the formation of microscale CO hotspots in the area immediately around points of congested traffic. Because of continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing.

CO transport is extremely limited and disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors such as residents, school children, hospital patients, and older adults. Typically, high CO concentrations are associated with roadways or intersections operating at an unacceptable LOS. Projects contributing to adverse traffic impacts may result in the formation of such CO hotspots.

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate Project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. The Project traffic analysis demonstrates no significant traffic impacts as a result of the development of the Project.

At the time that the SCAQMD 1993 Handbook was published, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO. In 2007, the SCAQMD was designated in attainment for CO under both the CAAQS and NAAQS as a result of the steady decline in CO concentrations in the SCAB due to turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities. The SCAQMD conducted CO modeling for the 2003 AQMP (Appendix V, Modeling and Attainment Demonstrations, of SCAQMD 2003) for the four worst-case intersections in the SCAB: (1) Wilshire Boulevard and Veteran Avenue, (2) Sunset Boulevard and Highland Avenue, (3) La Cienega Boulevard and Century Boulevard, and (4) Long Beach Boulevard and Imperial Highway. At the time the 2003 AQMP was prepared, the intersection of Wilshire Boulevard and Veteran Avenue was the most congested intersection in Los Angeles County, with an average daily traffic volume of about 100,000 vehicles per day. Using CO emission factors for 2002, the peak modeled CO 1-hour concentration was estimated to be 4.6 ppm at the intersection of Wilshire Boulevard and Veteran Avenue. The maximum 1-hour CO concentration from 2018 through 2020 at the nearest CO monitoring station located at 700 North Bullis Road, Compton, was 4.7 ppm in 2018.[41] Adding the maximum value from the Compton monitor station to the concentration at the intersection of Wilshire Boulevard and Veteran Avenue would equate to 9.3 ppm, while the CAAQS is 20 ppm.

The 2003 AQMP also projected 8-hour CO concentrations at these four intersections for 1997 and from 2002 through 2005. From years 2002 through 2005, the maximum 8-hour CO hotspot was 3.8 ppm at the Sunset Boulevard and Highland Avenue intersection (3.4 ppm at the Wilshire Boulevard and Veteran Avenue in 2002). Adding the 3.8 ppm to the maximum 8-hour CO concentration from 2018 through 2020 at the Compton monitoring station, which was 3.5 ppm in 2018, the 8-hour CO would be 7.3 ppm, while the CAAQS is 9.0 ppm.

Therefore, at the most congested intersections in the Los Angeles area, the CO concentrations that are produced fall well below thresholds, even when added to ambient CO levels in the Project area. Additionally, vehicle efficiency has further increased since the time this data was produced. This indicates that the Project would not cause or contribute to a significant CO hotspot. Therefore, the Project does not trigger the need for a detailed CO hotspots model and would not cause any new or exacerbate any existing CO hotspots. As a result, impacts related to localized mobile-source CO emissions are considered less than significant. Accordingly, the Project's CO hotspot impacts would be less than significant because they would not expose sensitive receptors to substantial pollutant concentrations.

Construction and Operational Toxic Air Contaminants

In addition to impacts from criteria pollutants, Project impacts may include emissions of pollutants identified by the State and federal government as TACs or HAPs. State law has established the framework for California's TAC identification and control program, which is generally more stringent than the federal program and aimed at TACs that are a problem in California. The State has formally identified more than 200 substances as TACs, including the federal HAPs, and is adopting appropriate control measures for sources of these TACs.

41 EPA. 2021 "AirData: Access to Air Pollution Data." https://www.epa.gov/outdoor-air-quality-data/monitor-values-report

The following ATCMs are required by state law to reduce DPM emissions (DPMs are considered TACs):

- Fleet owners of mobile construction equipment are subject to the CARB Regulation for In-Use Off-road Diesel Vehicles,[42] the purpose of which is to reduce DPM and criteria pollutant emissions from in-use (existing) off-road diesel-fueled vehicles.
- All commercial diesel vehicles are subject to Title 13, Section 2485 of the California Code of Regulations, limiting engine idling time. Idling of heavy-duty diesel construction equipment and trucks during loading and unloading is required to be limited to 5 minutes; electric auxiliary power units should be used whenever possible.

"Incremental cancer risk" is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a Project over a 30-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology.[43] In addition, some TACs have non-carcinogenic effects. The greatest potential for TAC emissions during construction would be DPM emissions from heavy equipment operations and heavy-duty trucks during construction of the proposed Project and the associated health impacts to sensitive receptors. The Project would not result in the creation of a land use that is commonly associated with operational DPM or other TACs. As such, Project operational TAC impacts would be less than significant.

As shown in Table 6, maximum daily particulate matter (PM_{10} or $PM_{2.5}$) emissions generated by construction equipment operation and from haul trucks (exhaust particulate matter, or DPM), combined with fugitive dust generated by equipment operation and vehicle travel, would be well below the SCAQMD significance thresholds. Moreover, total construction of the Project would last approximately 2 years, much less than the OEHHA recommended 30-year exposure period, after which Project construction-related TAC emissions would cease. Nevertheless, the Housing Element Program EIR determined that construction-related TAC emissions from housing projects in proximity to sensitive receptors and with construction durations more than 18 months could result in potentially significant impacts. Housing Element Program EIR MM 4.2-3 (Construction TAC Reduction Measures) was set forth to reduce this impact. MM 4.2-3 requires either preparation of a construction health risk assessment demonstrating less than significant impacts (with a mitigation plan if needed) or commitment to using construction equipment that meets the CARB Tier 4 Final or USEPA Tier 4 off-road emissions for all equipment rated 50 horsepower or greater. In this case, the Project applicant has agreed to commit to using the construction equipment specified in MM 4.2-3, and therefore a Project-specific construction health risk assessment has not been prepared. As stated in the Housing Element Program EIR, "projects that voluntarily incorporate use of certified low-emission equipment are exempted from further analysis because such projects would not generate substantial pollutant concentrations."[44] As such, upon compliance with the equipment specifications in MM 4.2-3, impacts of the Project would be less than significant.

Based on the above considerations, the Project could potentially expose sensitive receptors to substantial pollutant concentrations or health risk during construction; however, implementation of MM 4.2-3 would reduce construction impacts to below a level of significance. As discussed above, TAC emissions would cease after construction and operational impacts would therefore be less than significant.

42 13 California Code of Regulations, Chapter 9, Section 2449.
43 Office of Environmental Health Hazard Assessment, Air Toxics Hot Spots Program Risk Assessment Guidelines, Guidance Manual for Preparation of Health Risk Assessments, 2015.
44 City of Los Angeles, Citywide Housing Element 2021-2029 and Safety Element Updates Draft Environmental Impact Report, July 2021.

Threshold d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Odors would be generated from vehicles and/or equipment exhaust emissions during construction of the Project. Odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment and to architectural coatings. Such odors would cease upon completion of construction. Construction of the Project would involve the use of conventional building materials typical of construction projects of similar type and size. Any odors that may be generated during construction would be localized and temporary in nature and would not be sufficient to affect a substantial number of people. Therefore, impacts associated with odors during construction are considered less than significant because these odors would not affect a substantial number of people.

Land uses and industrial operations that are associated with odor complaints include agricultural uses, wastewater treatment plants, food processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding. The Project would not result in the creation of a land use that is commonly associated with odors. Therefore, Project operations would result in an odor impact that is less than significant.

In addition, the construction and operation of the Project would also comply with SCAQMD Rules 401, 402, and 403 regarding visible emissions violations.[45] In particular, SCAQMD Rule 402 provides that a person may not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.[46] Therefore, with compliance with existing regulatory requirements, the Project would not create other emissions including odors that would adversely affect a substantial number of people.

Based on the above, the potential impact of other emissions, including odors, during construction and operation of the Project would be less than significant.

3.4 Mitigation Measures

The Project has been found to be within the scope of the program analyzed in the Housing Element Program EIR. Accordingly, the Project is required to comply with all applicable mitigation measures identified in the Housing Element Program EIR Mitigation Monitoring Program (MMP). The following Housing Element Program EIR MMs are potentially applicable to the air quality analysis and are addressed as follows:

4.2-2(a) Construction Emission Reductions. For discretionary projects that meet the following criteria, prior to project approval, the Applicant shall be required to provide to the City an Air Quality Impact Analysis prepared by a qualified air quality analyst to analyze construction emissions and identify necessary mitigation:

- Demolition of more than 13,500 square feet of building area;
- Greater than 5,000 cubic yards of soil cut/fill;

[45] SCAQMD, Visible Emissions, Public Nuisance, and Fugitive Dust, 2021.
[46] SCAQMD, Rule 402, Nuisance, adopted May 7, 1976.

- Greater than 5-acres of graded area; or use of more than ten pieces of heavy-duty construction equipment and 150 truck trips (or a total of 6,000 vehicle miles traveled by truck) on any given day during demolition, site clearing, or grading.

The Air Quality Impact Analysis shall demonstrate that project emissions are less than applicable SCAQMD regional and LST thresholds, and as applicable may include, but are not limited to, mitigation identified within the Housing Element MM 4.2-2(a).

4.2-1(b) Operational Emissions Reduction. For discretionary projects, prior to project approval, the Applicant shall be required to provide the City an Air Quality Impact Analysis prepared by a qualified air quality analyst to analyze operational emissions and identify necessary mitigation for any discretionary project that would include more than 462 single-family residential units, 612 multi-family residential units, or any equivalent combination thereof. The Air Quality Impact Analysis shall demonstrate that project emissions are less than applicable SCAQMD regional and LST thresholds, and as applicable may include, but are not limited to, the mitigation identified within the Housing Element MM 4.2-2(b).

4.2-3 Construction TAC Reduction Measures. For discretionary projects with an anticipated construction duration of greater than 18- months and located within 500 feet of a residence or other sensitive receptor, prior to issuance of a permit to construct, the applicant shall provide to the City an Air Quality Impact Analysis, prepared by a qualified air quality analyst, that includes a construction health risk assessment. If the analysis shows incremental cancer risk would exceed 10 persons in one million at a sensitive receptor or the calculated Hazard Index for chronic or acute risks would exceed a value of 1.0 at a sensitive receptor, the air quality analyst shall prepare a mitigation plan subject to City review and approval that reduce TACs to less than SCAQMD thresholds. The applicant shall comply with all mitigation measures in the mitigation plan.

Alternatively, no Air Quality Impact Analysis, health risk assessment, and mitigation plan shall be required for discretionary projects conditioned to use construction equipment that meets the CARB Tier 4 Final or USEPA Tier 4 off-road emissions for all equipment rated 50 horsepower or greater. A copy of each unit's certified tier specification or model year specification and CARB or SCAQMD operating permit (if applicable) shall be available upon request at the time of mobilization of each applicable unit of equipment.

MM 4.2-2(a) is applicable to the Project because construction activities are estimated to require 7,000 cubic yards of soil cut/fill, which is greater than the 5,000 cubic yard threshold identified in the MM. As such, the air quality analysis herein is provided to demonstrate that Project construction emissions are less than applicable SCAQMD regional and LST thresholds. As demonstrated in Table 6, the Project's estimated maximum daily construction emissions would not exceed the SCAQMD significance thresholds for VOC, NOx, CO, SOx, PM_{10}, or $PM_{2.5}$ in all construction years. Table 8 shows that construction activities would not generate emissions in excess of site-specific LSTs; therefore, site-specific construction impacts during construction of the Project would be less than significant without the implementation of the construction emission reduction measures identified in MM 4.2-2(a).

MM 4.2-2(b) is not required because the Project does not include more than 464 single-family residential units, 612 multi-family residential units, or any equivalent combination thereof. The Project includes 354 multi-family

residential units and 1,500 square feet of commercial space. The Project would be less than an "equivalent combination thereof," because the Project operational air quality emissions are less than what a 612 multi-family residential unit project would emit at the same location as demonstrated in Table 9. For this analysis additional CalEEMod analysis was performed for a 612 multi-family residential unit project utilizing CalEEMod defaults and all-electric buildings per Chapter IX of the LAMC, Sections 99.02.202, 99.04.106.8, and 99.05.106.14, which requires that all new buildings be all-electric buildings, with some exceptions, consistent with the methodology used to analyze the Project.

Table 9. Estimated Daily Maximum Operational Emissions

Emissions Source	VOC	NO_x	CO	SO_x	PM_{10}	$PM_{2.5}$
	Pounds per Day					
Comparison Project: 612 multi-family residential unit project						
Area	17.2	8.63	38.3	0.06	0.72	0.71
Energy	0.09	1.53	0.65	0.01	0.12	0.12
Mobile	11.4	9.61	99.6	0.23	20.8	5.38
Total	**28.7**	**19.8**	**139**	**0.29**	**21.6**	**6.22**
Proposed Project: 354 multi-family residential units and 1,500 square feet of commercial space						
Area	11.10	5.28	32.90	0.03	0.43	0.43
Energy	0.06	1.05	0.52	0.01	0.08	0.08
Mobile	5.11	4.17	43.90	0.10	3.82	0.73
Total	**16.27**	**10.50**	**77.32**	**0.14**	**4.33**	**1.24**
Difference (Project minus Comparison Project)	**-12.43**	**-9.3**	**-61.68**	**-0.15**	**-17.27**	**-4.98**

Source: See Appendix A for complete results.
Notes: VOC = volatile organic compound; NO_x = oxides of nitrogen; CO = carbon monoxide; SO_x = sulfur oxides; PM_{10} = coarse particulate matter; $PM_{2.5}$ = fine particulate matter.
The values shown are the maximum summer or winter daily emissions results from CalEEMod, though totals may not sum due to rounding.

As shown in Table 9, the Project emissions would be less than what would result from a 612 multi-family residential unit project at the same location, as such, MM 4.2-2(b) is not required. Nevertheless, Section 3.3 includes an operational emissions analysis of the Project and compares emissions to the regional SCAQMD thresholds. The analysis demonstrates that the Project's operational emissions fall below the thresholds.

MM 4.2-3 is applicable to the Project and the applicant has committed to use construction equipment that meets the CARB Tier 4 Final or USEPA Tier 4 off-road emissions for all equipment rated 50 horsepower or greater. A copy of each unit's certified tier specification or model year specification and CARB or SCAQMD operating permit (if applicable) will be made available upon request at the time of mobilization of each applicable unit of equipment. As such, a Project health risk assessment is not provided herein.

4 Conclusion

As demonstrated herein, the air quality analysis provides support of the Project's determination of consistency with the scope of the program analyzed in the Housing Element Program EIR and its environmental impacts. As a result of mitigation measures identified within the Housing Element Program EIR, the applicant will commit to use construction equipment that meets the CARB Tier 4 Final or USEPA Tier 4 off-road emissions for all equipment rated 50 horsepower or greater, as required by MM 4.2-3.

Attachment A

Air Quality Modeling Data

PCH Mixed Use v2 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PCH Mixed Use v2
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	354	Dwelling Unit	1.92	300,095	7,323	—	1,048	—
High Turnover (Sit Down Restaurant)	1.50	1000sqft	0.03	1,500	0.00	—	—	—

Enclosed Parking with Elevator	575	Space	0.86	230,000	0.00	—	—	—
Other Non-Asphalt Surfaces	90.7	1000sqft	0.43	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	20.5	1000sqft	0.47	0.00	0.00	—	—	—
Health Club	13.6	1000sqft	0.31	13,605	0.00	—	—	—
Recreational Swimming Pool	0.94	1000sqft	0.02	945	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Transportation	T-1	Increase Residential Density

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.39	16.4	26.2	79.2	0.05	1.00	9.25	10.2	0.92	3.72	4.51	—	15,039	15,039	0.62	0.42	40.0	15,220
Mit.	6.39	16.4	26.2	79.2	0.05	1.00	9.25	10.2	0.92	2.17	3.09	—	15,039	15,039	0.62	0.42	40.0	15,220
% Reduced	—	—	—	—	—	—	—	—	—	42%	31%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.36	15.5	29.3	71.1	0.05	1.10	9.25	10.2	1.02	3.72	4.51	—	14,523	14,523	0.63	0.54	1.04	14,670
Mit.	6.36	15.5	29.3	71.1	0.05	1.10	9.25	10.2	1.02	2.17	3.09	—	14,523	14,523	0.63	0.54	1.04	14,670
% Reduced	—	—	—	—	—	—	—	—	—	42%	31%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.62	7.00	13.1	28.5	0.02	0.50	4.39	4.89	0.46	1.20	1.66	—	5,902	5,902	0.26	0.21	6.31	5,978
Mit.	2.62	7.00	13.1	28.5	0.02	0.50	3.77	4.27	0.46	0.95	1.41	—	5,902	5,902	0.26	0.21	6.31	5,978
% Reduced	—	—	—	—	—	—	14%	13%	—	21%	15%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.48	1.28	2.39	5.21	< 0.005	0.09	0.80	0.89	0.08	0.22	0.30	—	977	977	0.04	0.04	1.04	990
Mit.	0.48	1.28	2.39	5.21	< 0.005	0.09	0.69	0.78	0.08	0.17	0.26	—	977	977	0.04	0.04	1.04	990
% Reduced	—	—	—	—	—	—	14%	13%	—	21%	15%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.39	5.56	26.2	79.2	0.05	1.00	9.25	10.2	0.92	3.72	4.51	—	15,039	15,039	0.62	0.42	40.0	15,220
2025	3.42	16.4	19.1	38.5	0.04	0.75	4.60	5.04	0.69	1.08	1.48	—	7,338	7,338	0.31	0.20	18.0	7,423
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.36	5.51	29.3	71.1	0.05	1.10	9.25	10.2	1.02	3.72	4.51	—	14,523	14,523	0.63	0.54	1.04	14,670
2025	3.01	15.5	12.5	33.7	0.03	0.46	4.60	5.04	0.42	1.08	1.48	—	7,085	7,085	0.31	0.21	0.47	7,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.62	2.24	13.1	28.5	0.02	0.50	4.39	4.89	0.46	1.20	1.66	—	5,902	5,902	0.26	0.21	6.31	5,978
2025	1.61	7.00	7.81	17.9	0.02	0.28	1.93	2.22	0.26	0.45	0.71	—	3,611	3,611	0.16	0.10	3.34	3,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.48	0.41	2.39	5.21	< 0.005	0.09	0.80	0.89	0.08	0.22	0.30	—	977	977	0.04	0.04	1.04	990
2025	0.29	1.28	1.43	3.26	< 0.005	0.05	0.35	0.40	0.05	0.08	0.13	—	598	598	0.03	0.02	0.55	604

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	6.39	5.56	26.2	79.2	0.05	1.00	9.25	10.2	0.92	2.17	3.09	—	15,039	15,039	0.62	0.42	40.0	15,220
2025	3.42	16.4	19.1	38.5	0.04	0.75	4.60	5.04	0.69	1.08	1.48	—	7,338	7,338	0.31	0.20	18.0	7,423
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.36	5.51	29.3	71.1	0.05	1.10	9.25	10.2	1.02	2.17	3.09	—	14,523	14,523	0.63	0.54	1.04	14,670
2025	3.01	15.5	12.5	33.7	0.03	0.46	4.60	5.04	0.42	1.08	1.48	—	7,085	7,085	0.31	0.21	0.47	7,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.62	2.24	13.1	28.5	0.02	0.50	3.77	4.27	0.46	0.95	1.41	—	5,902	5,902	0.26	0.21	6.31	5,978
2025	1.61	7.00	7.81	17.9	0.02	0.28	1.93	2.22	0.26	0.45	0.71	—	3,611	3,611	0.16	0.10	3.34	3,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.48	0.41	2.39	5.21	< 0.005	0.09	0.69	0.78	0.08	0.17	0.26	—	977	977	0.04	0.04	1.04	990
2025	0.29	1.28	1.43	3.26	< 0.005	0.05	0.35	0.40	0.05	0.08	0.13	—	598	598	0.03	0.02	0.55	604

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762
Mit.	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
% Reduced	17%	10%	12%	18%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	22%	25%	15%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Mit.	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151

% Reduced	25%	13%	13%	26%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	23%	6%	14%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Mit.	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321
Mit.	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.06	6.40	5.30	52.2	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	12,865	12,865	0.67	0.55	19.3	13,066
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.11	4.63	3.80	37.5	0.09	0.06	3.35	3.41	0.06	0.60	0.65	—	9,199	9,199	0.48	0.40	13.8	9,343
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308

Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	5.41	5.41	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.36	0.36	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.23	2.55	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	535	535	0.02	0.02	0.06	542
Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,614	1,614	0.07	0.22	0.11	1,682
Hauling	0.13	0.03	2.20	0.81	0.01	0.02	0.44	0.47	0.02	0.12	0.14	—	1,693	1,693	0.09	0.27	0.10	1,776
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.06	36.2
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.12	111
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	0.01	0.02	0.11	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	6.00

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.3
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.4	18.4	< 0.005	< 0.005	0.02	19.3

3.2. Demolition (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	3.46	3.46	—	0.52	0.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.23	2.55	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	535	535	0.02	0.02	0.06	542
Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,614	1,614	0.07	0.22	0.11	1,682
Hauling	0.13	0.03	2.20	0.81	0.01	0.02	0.44	0.47	0.02	0.12	0.14	—	1,693	1,693	0.09	0.27	0.10	1,776
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.06	36.2
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.12	111
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	0.01	0.02	0.11	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	6.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.3
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.4	18.4	< 0.005	< 0.005	0.02	19.3

3.3. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.80	0.80	—	0.38	0.38	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2
Dust From Material Movemen	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	847	847	0.04	0.03	3.34	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.88	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	3.46	1,582
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	803	803	0.04	0.03	0.09	813
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.95	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	0.09	1,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.16	92.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	0.17	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.03	29.4

3.4. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2

Dust From Material Movemen:	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	847	847	0.04	0.03	3.34	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.88	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	3.46	1,582
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	803	803	0.04	0.03	0.09	813
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.95	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	0.09	1,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.16	92.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	0.17	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.03	29.4

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016

Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.55	0.71	8.43	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,706	1,706	0.08	0.06	3.02	1,729
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.6	92.6	< 0.005	0.01	0.11	96.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.54	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	282	282	0.01	0.01	0.50	286
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.62	0.55	0.71	8.43	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,706	1,706	0.08	0.06	3.02	1,729
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.6	92.6	< 0.005	0.01	0.11	96.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.54	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	282	282	0.01	0.01	0.50	286
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.28	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.01	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.59	7.03	0.00	0.00	1.36	1.36	0.00	0.32	0.32	—	1,423	1,423	0.06	0.05	2.52	1,443
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.04	32.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.11	1.28	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	236	236	0.01	0.01	0.42	239
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.28	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.01	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.59	7.03	0.00	0.00	1.36	1.36	0.00	0.32	0.32	—	1,423	1,423	0.06	0.05	2.52	1,443
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.04	32.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.11	1.28	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	236	236	0.01	0.01	0.42	239
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.50	1.52	24.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,839	4,839	0.20	0.17	17.7	4,912
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.28	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645

Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.01	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.32	3.86	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	829	829	0.04	0.03	1.36	840
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.23	139
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.50	1.52	24.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,839	4,839	0.20	0.17	17.7	4,912
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.28	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.01	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.32	3.86	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	829	829	0.04	0.03	1.36	840
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.23	139

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.12	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	669	669	0.03	0.02	1.10	678
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.09	83.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	0.01	< 0.005	0.18	112
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592

Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.12	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	669	669	0.03	0.02	1.10	678
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.09	83.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	0.01	< 0.005	0.18	112
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	277	277	0.01	0.01	1.01	281
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.7	31.7	< 0.005	< 0.005	0.09	33.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.02	13.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	277	277	0.01	0.01	1.01	281
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.7	31.7	< 0.005	< 0.005	0.09	33.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.02	13.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.35	5.57	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,106	1,106	0.05	0.04	4.05	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.38	4.72	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,048	1,048	0.05	0.04	0.10	1,062
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.08	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	446	446	0.02	0.02	0.73	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.12	74.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.35	5.57	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,106	1,106	0.05	0.04	4.05	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.38	4.72	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,048	1,048	0.05	0.04	0.10	1,062
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.08	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	446	446	0.02	0.02	0.73	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.12	74.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.97	6.32	4.74	54.7	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	13,258	13,258	0.63	0.52	44.7	13,473

High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.89	6.24	5.19	50.4	0.12	0.08	4.69	4.77	0.08	0.84	0.91	—	12,704	12,704	0.66	0.55	1.16	12,885
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.19	1.07	0.91	8.97	0.02	0.01	0.81	0.83	0.01	0.14	0.16	—	2,023	2,023	0.10	0.09	3.04	2,054
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.88	4.42	3.32	38.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	9,281	9,281	0.44	0.36	31.3	9,431
High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.82	4.37	3.63	35.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	8,893	8,893	0.46	0.38	0.81	9,019
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.83	0.75	0.64	6.28	0.02	0.01	0.57	0.58	0.01	0.10	0.11	—	1,416	1,416	0.07	0.06	2.13	1,438
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155

Recreational Swimming	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20

Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146

Recreational	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipme Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetatio n	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	2/1/2024	5.00	24.0	—
Grading	Grading	2/3/2024	4/1/2024	5.00	41.0	—
Building Construction - Framing	Building Construction	4/2/2024	10/1/2024	5.00	131	—
Building Construction - MEP	Building Construction	8/1/2024	4/1/2025	5.00	174	—
Building Construction - Finish and Close Out	Building Construction	4/2/2025	11/1/2025	5.00	153	—
Paving	Paving	4/26/2025	5/21/2025	5.00	18.0	—
Architectural Coating	Architectural Coating	4/2/2025	11/1/2025	5.00	153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	50.0	10.2	HHDT,MHDT
Demolition	Hauling	24.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	21.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	10.2	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	20.0	HHDT
Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	10.2	HHDT,MHDT

Building Construction - MEP	Hauling	0.00	20.0	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	10.2	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	20.0	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	50.0	10.2	HHDT,MHDT
Demolition	Hauling	24.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	21.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	10.2	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	20.0	HHDT

Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	10.2	HHDT,MHDT
Building Construction - MEP	Hauling	0.00	20.0	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	10.2	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	20.0	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	607,692	202,564	24,343	7,740	4,602

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,824	—
Grading	0.00	7,000	41.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.76

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.86	100%
Other Non-Asphalt Surfaces	0.43	0%
Other Non-Asphalt Surfaces	0.47	0%
Health Club	0.00	0%

Recreational Swimming Pool	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,926	1,738	1,448	668,200	16,839	15,198	12,660	5,842,774
High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,348	1,217	1,014	467,740	11,787	10,639	8,862	4,089,942

High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
607692.375	202,564	24,343	7,740	4,602

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00

High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00
High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9
Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114
Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529

Health Outcomes	—
Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2
Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	14.8
Elderly	85.6
English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7
Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on client provided information.
Construction: Construction Phases	Based on applicant provided schedule
Construction: Architectural Coatings	Default values
Operations: Vehicle Data	Based on TIA
Operations: Hearths	No Wood Stoves and no wood fireplaces
Construction: Trips and VMT	Based on applicant provided information.

LST Analysis

PCH Mixed Use v2 LST Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PCH Mixed Use v2 LST
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	354	Dwelling Unit	1.92	300,095	7,323	—	1,048	—
High Turnover (Sit Down Restaurant)	1.50	1000sqft	0.03	1,500	0.00	—	—	—

Enclosed Parking with Elevator	575	Space	0.86	230,000	0.00	—	—	—
Other Non-Asphalt Surfaces	90.7	1000sqft	0.43	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	20.5	1000sqft	0.47	0.00	0.00	—	—	—
Health Club	13.6	1000sqft	0.31	13,605	0.00	—	—	—
Recreational Swimming Pool	0.94	1000sqft	0.02	945	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Transportation	T-1	Increase Residential Density

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.24	16.2	23.1	32.5	0.05	1.00	7.11	7.95	0.92	3.43	4.20	—	5,038	5,038	0.33	0.09	0.42	5,074
Mit.	5.24	16.2	23.1	32.5	0.05	1.00	2.78	3.62	0.92	1.34	2.11	—	5,038	5,038	0.33	0.09	0.42	5,074
% Reduced	—	—	—	—	—	—	61%	54%	—	61%	50%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.21	15.3	25.8	33.7	0.05	1.06	7.11	7.95	0.98	3.43	4.20	—	5,035	5,035	0.34	0.11	0.01	5,076
Mit.	5.21	15.3	25.8	33.7	0.05	1.06	3.48	4.54	0.98	1.34	2.11	—	5,035	5,035	0.34	0.11	0.01	5,076
% Reduced	—	—	—	—	—	—	51%	43%	—	61%	50%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.21	6.82	11.4	14.7	0.02	0.49	1.19	1.68	0.45	0.45	0.90	—	2,233	2,233	0.14	0.04	0.07	2,250
Mit.	2.21	6.82	11.4	14.7	0.02	0.49	0.57	1.06	0.45	0.19	0.64	—	2,233	2,233	0.14	0.04	0.07	2,250
% Reduced	—	—	—	—	—	—	52%	37%	—	57%	28%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.40	1.25	2.08	2.69	< 0.005	0.09	0.22	0.31	0.08	0.08	0.16	—	370	370	0.02	0.01	0.01	372
Mit.	0.40	1.25	2.08	2.69	< 0.005	0.09	0.10	0.19	0.08	0.04	0.12	—	370	370	0.02	0.01	0.01	372
% Reduced	—	—	—	—	—	—	52%	37%	—	57%	28%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.24	4.70	23.1	32.5	0.05	1.00	7.11	7.95	0.92	3.43	4.20	—	5,038	5,038	0.33	0.09	0.42	5,074
2025	3.06	16.2	18.1	24.9	0.04	0.75	0.05	0.78	0.69	0.01	0.69	—	3,962	3,962	0.20	0.05	0.19	3,982
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.21	4.66	25.8	33.7	0.05	1.06	7.11	7.95	0.98	3.43	4.20	—	5,035	5,035	0.34	0.11	0.01	5,076
2025	2.44	15.3	11.5	16.5	0.03	0.46	0.05	0.49	0.42	0.01	0.43	—	2,603	2,603	0.17	0.05	< 0.005	2,619
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.21	1.95	11.4	14.7	0.02	0.49	1.19	1.68	0.45	0.45	0.90	—	2,233	2,233	0.14	0.04	0.07	2,250
2025	1.37	6.82	7.07	10.1	0.02	0.28	0.02	0.30	0.26	< 0.005	0.27	—	1,605	1,605	0.09	0.02	0.04	1,615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.40	0.36	2.08	2.69	< 0.005	0.09	0.22	0.31	0.08	0.08	0.16	—	370	370	0.02	0.01	0.01	372
2025	0.25	1.25	1.29	1.85	< 0.005	0.05	< 0.005	0.06	0.05	< 0.005	0.05	—	266	266	0.02	< 0.005	0.01	267

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	5.24	4.70	23.1	32.5	0.05	1.00	2.78	3.62	0.92	1.34	2.11	—	5,038	5,038	0.33	0.09	0.42	5,074
2025	3.06	16.2	18.1	24.9	0.04	0.75	0.05	0.78	0.69	0.01	0.69	—	3,962	3,962	0.20	0.05	0.19	3,982
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	5.21	4.66	25.8	33.7	0.05	1.06	3.48	4.54	0.98	1.34	2.11	—	5,035	5,035	0.34	0.11	0.01	5,076
2025	2.44	15.3	11.5	16.5	0.03	0.46	0.05	0.49	0.42	0.01	0.43	—	2,603	2,603	0.17	0.05	< 0.005	2,619
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.21	1.95	11.4	14.7	0.02	0.49	0.57	1.06	0.45	0.19	0.64	—	2,233	2,233	0.14	0.04	0.07	2,250
2025	1.37	6.82	7.07	10.1	0.02	0.28	0.02	0.30	0.26	< 0.005	0.27	—	1,605	1,605	0.09	0.02	0.04	1,615
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.40	0.36	2.08	2.69	< 0.005	0.09	0.10	0.19	0.08	0.04	0.12	—	370	370	0.02	0.01	0.01	372
2025	0.25	1.25	1.29	1.85	< 0.005	0.05	< 0.005	0.06	0.05	< 0.005	0.05	—	266	266	0.02	< 0.005	0.01	267

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762
Mit.	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
% Reduced	17%	10%	12%	18%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	22%	25%	15%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Mit.	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151

% Reduced	25%	13%	13%	26%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	23%	6%	14%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Mit.	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321
Mit.	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.06	6.40	5.30	52.2	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	12,865	12,865	0.67	0.55	19.3	13,066
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.11	4.63	3.80	37.5	0.09	0.06	3.35	3.41	0.06	0.60	0.65	—	9,199	9,199	0.48	0.40	13.8	9,343
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308

Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	5.41	5.41	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.36	0.36	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.03	0.42	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.6	12.6	0.01	< 0.005	< 0.005	14.0
Vendor	0.05	0.03	0.53	0.41	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.4	83.4	0.02	0.01	< 0.005	87.8
Hauling	0.03	0.01	0.37	0.27	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	57.8	57.8	0.02	0.01	< 0.005	61.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.92
Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.46	5.46	< 0.005	< 0.005	< 0.005	5.75
Hauling	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.77	3.77	< 0.005	< 0.005	< 0.005	3.99
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15

Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.95
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.66

3.2. Demolition (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	3.46	3.46	—	0.52	0.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.13	0.03	0.42	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	12.6	12.6	0.01	< 0.005	< 0.005	14.0
Vendor	0.05	0.03	0.53	0.41	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	83.4	83.4	0.02	0.01	< 0.005	87.8
Hauling	0.03	0.01	0.37	0.27	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	57.8	57.8	0.02	0.01	< 0.005	61.0
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.84	0.84	< 0.005	< 0.005	< 0.005	0.92
Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.46	5.46	< 0.005	< 0.005	< 0.005	5.75
Hauling	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.77	3.77	< 0.005	< 0.005	< 0.005	3.99
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.14	0.14	< 0.005	< 0.005	< 0.005	0.15
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.90	0.90	< 0.005	< 0.005	< 0.005	0.95
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.66

3.3. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.80	0.80	—	0.38	0.38	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2
Dust From Material Movemen	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.04	0.53	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.2	19.2	0.01	< 0.005	0.03	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.32	0.23	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	50.8	50.8	0.02	0.01	0.03	53.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.05	0.63	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.0	19.0	0.01	0.01	< 0.005	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.33	0.24	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	51.4	51.4	0.02	0.01	< 0.005	54.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.73	5.73	< 0.005	< 0.005	< 0.005	6.06
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.35	0.35	< 0.005	< 0.005	< 0.005	0.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	1.00

3.4. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2

Dust From Material Movemen:	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.20	0.04	0.53	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.2	19.2	0.01	< 0.005	0.03	20.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.32	0.23	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	50.8	50.8	0.02	0.01	0.03	53.7
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.19	0.05	0.63	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.0	19.0	0.01	0.01	< 0.005	20.9
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	0.01	0.33	0.24	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	51.4	51.4	0.02	0.01	< 0.005	54.2
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.14	2.14	< 0.005	< 0.005	< 0.005	2.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.73	5.73	< 0.005	< 0.005	< 0.005	6.06
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.35	0.35	< 0.005	< 0.005	< 0.005	0.39
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.95	0.95	< 0.005	< 0.005	< 0.005	1.00

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.18	1.15	0.26	3.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	112	112	0.06	0.02	0.20	121

Vendor	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.12	0.29	3.67	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	111	111	0.07	0.03	0.01	122
Vendor	0.01	< 0.005	0.08	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.41	0.40	0.10	1.28	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	39.9	39.9	0.03	0.01	0.03	44.0
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.77	4.77	< 0.005	< 0.005	< 0.005	5.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.61	6.61	< 0.005	< 0.005	0.01	7.29
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.83
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.18	1.15	0.26	3.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	112	112	0.06	0.02	0.20	121
Vendor	0.01	< 0.005	0.08	0.06	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.01	13.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.12	0.29	3.67	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	111	111	0.07	0.03	0.01	122
Vendor	0.01	< 0.005	0.08	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.4	13.4	< 0.005	< 0.005	< 0.005	14.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.41	0.40	0.10	1.28	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	39.9	39.9	0.03	0.01	0.03	44.0
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.77	4.77	< 0.005	< 0.005	< 0.005	5.02
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.61	6.61	< 0.005	< 0.005	0.01	7.29
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.79	0.79	< 0.005	< 0.005	< 0.005	0.83
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.18	1.15	0.26	3.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	112	112	0.06	0.02	0.20	121
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.25	5.25	< 0.005	< 0.005	0.01	5.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.12	0.29	3.67	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	111	111	0.07	0.03	0.01	122
Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.29	5.29	< 0.005	< 0.005	< 0.005	5.57
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.08	1.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	33.3	33.3	0.02	0.01	0.03	36.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.58	1.58	< 0.005	< 0.005	< 0.005	1.66
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	< 0.005	6.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.18	1.15	0.26	3.09	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	112	112	0.06	0.02	0.20	121
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.25	5.25	< 0.005	< 0.005	0.01	5.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.12	0.29	3.67	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	111	111	0.07	0.03	0.01	122
Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.29	5.29	< 0.005	< 0.005	< 0.005	5.57
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.33	0.08	1.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	33.3	33.3	0.02	0.01	0.03	36.7
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.58	1.58	< 0.005	< 0.005	< 0.005	1.66
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	5.51	5.51	< 0.005	< 0.005	< 0.005	6.08
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.08	0.24	2.88	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	110	110	0.06	0.02	0.18	119
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.17	5.17	< 0.005	< 0.005	0.01	5.45
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	1.06	0.27	3.41	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	108	108	0.07	0.03	< 0.005	120

Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	< 0.005	5.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.05	0.59	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.4	19.4	0.01	< 0.005	0.01	21.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.92	0.92	< 0.005	< 0.005	< 0.005	0.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.48
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.15	0.15	< 0.005	< 0.005	< 0.005	0.16
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.11	1.08	0.24	2.88	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	110	110	0.06	0.02	0.18	119
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.17	5.17	< 0.005	< 0.005	0.01	5.45
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.09	1.06	0.27	3.41	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	108	108	0.07	0.03	< 0.005	120
Vendor	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.21	5.21	< 0.005	< 0.005	< 0.005	5.49
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.19	0.05	0.59	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	19.4	19.4	0.01	< 0.005	0.01	21.0
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.92	0.92	< 0.005	< 0.005	< 0.005	0.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.03	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.20	3.20	< 0.005	< 0.005	< 0.005	3.48

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.15	0.15	< 0.005	< 0.005	< 0.005	0.16
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.08	0.99	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	37.6	37.6	0.02	0.01	0.06	40.7
Vendor	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.78	9.78	< 0.005	< 0.005	0.01	10.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.36	0.09	1.17	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	37.1	37.1	0.02	0.01	< 0.005	41.0
Vendor	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.87	9.87	< 0.005	< 0.005	< 0.005	10.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.04	0.48	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.6	15.6	0.01	< 0.005	0.01	16.9
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.09	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.80
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.37	0.08	0.99	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	37.6	37.6	0.02	0.01	0.06	40.7
Vendor	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.78	9.78	< 0.005	< 0.005	0.01	10.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.36	0.09	1.17	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	37.1	37.1	0.02	0.01	< 0.005	41.0

Vendor	0.01	< 0.005	0.06	0.05	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.87	9.87	< 0.005	< 0.005	< 0.005	10.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.04	0.48	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.6	15.6	0.01	< 0.005	0.01	16.9
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.11	4.11	< 0.005	< 0.005	< 0.005	4.34
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.01	0.09	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.59	2.59	< 0.005	< 0.005	< 0.005	2.80
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.68	0.68	< 0.005	< 0.005	< 0.005	0.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.27	6.27	< 0.005	< 0.005	0.01	6.79
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.06	0.06	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	6.27	6.27	< 0.005	< 0.005	0.01	6.79
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.72
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.08	0.08	< 0.005	< 0.005	< 0.005	0.09
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.05	0.05	< 0.005	< 0.005	< 0.005	0.05
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.01	0.01	< 0.005	< 0.005	< 0.005	0.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.25	0.06	0.66	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	25.1	25.1	0.01	0.01	0.04	27.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.06	0.78	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	24.7	24.7	0.02	0.01	< 0.005	27.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.03	0.32	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	10.4	10.4	0.01	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.25	0.06	0.66	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	25.1	25.1	0.01	0.01	0.04	27.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.06	0.78	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	24.7	24.7	0.02	0.01	< 0.005	27.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.10	0.03	0.32	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	10.4	10.4	0.01	< 0.005	0.01	11.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.87
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.97	6.32	4.74	54.7	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	13,258	13,258	0.63	0.52	44.7	13,473

High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.89	6.24	5.19	50.4	0.12	0.08	4.69	4.77	0.08	0.84	0.91	—	12,704	12,704	0.66	0.55	1.16	12,885
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.19	1.07	0.91	8.97	0.02	0.01	0.81	0.83	0.01	0.14	0.16	—	2,023	2,023	0.10	0.09	3.04	2,054
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.88	4.42	3.32	38.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	9,281	9,281	0.44	0.36	31.3	9,431
High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.82	4.37	3.63	35.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	8,893	8,893	0.46	0.38	0.81	9,019
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.83	0.75	0.64	6.28	0.02	0.01	0.57	0.58	0.01	0.10	0.11	—	1,416	1,416	0.07	0.06	2.13	1,438
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155

Recreational Swimming	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20

Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146

Recreational	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipme Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetatio n	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	2/1/2024	5.00	24.0	—
Grading	Grading	2/3/2024	4/1/2024	5.00	41.0	—
Building Construction - Framing	Building Construction	4/2/2024	10/1/2024	5.00	131	—
Building Construction - MEP	Building Construction	8/1/2024	4/1/2025	5.00	174	—
Building Construction - Finish and Close Out	Building Construction	4/2/2025	11/1/2025	5.00	153	—
Paving	Paving	4/26/2025	5/21/2025	5.00	18.0	—
Architectural Coating	Architectural Coating	4/2/2025	11/1/2025	5.00	153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	40.0	0.19	LDA,LDT1,LDT2
Demolition	Vendor	50.0	0.19	HHDT,MHDT
Demolition	Hauling	24.0	0.19	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	0.19	LDA,LDT1,LDT2
Grading	Vendor	—	0.19	HHDT,MHDT
Grading	Hauling	21.3	0.19	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	0.19	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	0.19	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	0.19	HHDT
Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	0.19	LDA,LDT1,LDT2
Paving	Vendor	1.00	0.19	HHDT,MHDT
Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	0.19	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	0.19	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	0.19	HHDT,MHDT

Building Construction - MEP	Hauling	0.00	0.19	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	0.19	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	0.19	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	0.19	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	40.0	0.19	LDA,LDT1,LDT2
Demolition	Vendor	50.0	0.19	HHDT,MHDT
Demolition	Hauling	24.0	0.19	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	0.19	LDA,LDT1,LDT2
Grading	Vendor	—	0.19	HHDT,MHDT
Grading	Hauling	21.3	0.19	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	0.19	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	0.19	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	0.19	HHDT

Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	0.19	LDA,LDT1,LDT2
Paving	Vendor	1.00	0.19	HHDT,MHDT
Paving	Hauling	0.00	0.19	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	0.19	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.19	HHDT,MHDT
Architectural Coating	Hauling	0.00	0.19	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	0.19	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	0.19	HHDT,MHDT
Building Construction - MEP	Hauling	0.00	0.19	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	0.19	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	0.19	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	0.19	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	607,692	202,564	24,343	7,740	4,602

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,824	—
Grading	0.00	7,000	41.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.76

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.86	100%
Other Non-Asphalt Surfaces	0.43	0%
Other Non-Asphalt Surfaces	0.47	0%
Health Club	0.00	0%

Recreational Swimming Pool	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,926	1,738	1,448	668,200	16,839	15,198	12,660	5,842,774
High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,348	1,217	1,014	467,740	11,787	10,639	8,862	4,089,942

High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
607692.375	202,564	24,343	7,740	4,602

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00

High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00
High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9
Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114
Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529

Health Outcomes	—
Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2
Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	14.8
Elderly	85.6
English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7
Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on client provided information.
Construction: Construction Phases	Based on applicant provided schedule
Construction: Architectural Coatings	Default values
Operations: Vehicle Data	Based on TIA
Operations: Hearths	No Wood Stoves and no wood fireplaces
Construction: Trips and VMT	Based on applicant provided information.

Existing Land Use

PCH Mixed Use Existing Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	PCH Mixed Use Existing
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Mobile Home Park	42.0	Dwelling Unit	5.29	54,600	0.00	0.00	124	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.09	2.22	1.44	8.73	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,957	2,976	2.12	0.07	5.27	3,055
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.86	2.00	1.47	5.88	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,890	2,910	2.12	0.07	0.52	2,985
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.92	2.08	0.92	7.23	0.02	0.04	0.49	0.53	0.04	0.09	0.13	19.7	2,164	2,184	2.11	0.07	2.43	2,260
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.38	0.17	1.32	< 0.005	0.01	0.09	0.10	0.01	0.02	0.02	3.26	358	362	0.35	0.01	0.40	374

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Area	0.29	1.51	0.62	2.63	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	758	758	0.01	< 0.005	—	759
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	1.09	2.22	1.44	8.73	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,957	2,976	2.12	0.07	5.27	3,055
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Area	0.07	1.30	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	0.86	2.00	1.47	5.88	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,890	2,910	2.12	0.07	0.52	2,985
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.65	0.55	5.45	0.01	0.01	0.49	0.50	0.01	0.09	0.10	—	1,356	1,356	0.07	0.06	2.04	1,377
Area	0.16	1.41	0.06	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	55.8	55.8	< 0.005	< 0.005	—	55.9
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	0.92	2.08	0.92	7.23	0.02	0.04	0.49	0.53	0.04	0.09	0.13	19.7	2,164	2,184	2.11	0.07	2.43	2,260

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228
Area	0.03	0.26	0.01	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.25	9.25	< 0.005	< 0.005	—	9.26
Energy	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	0.01	< 0.005	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48
Waste	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	0.17	0.38	0.17	1.32	< 0.005	0.01	0.09	0.10	0.01	0.02	0.02	3.26	358	362	0.35	0.01	0.40	374

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Total	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Total	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228
Total	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Total	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Total	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	55.9	55.9	< 0.005	< 0.005	—	56.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	55.9	55.9	< 0.005	< 0.005	—	56.1

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Total	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Total	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.4	65.4	0.01	< 0.005	—	65.6
Total	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.4	65.4	0.01	< 0.005	—	65.6

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.03	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Consumer Products	—	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22	0.21	0.02	2.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.37	6.37	< 0.005	< 0.005	—	6.39
Total	0.29	1.51	0.62	2.63	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	758	758	0.01	< 0.005	—	759
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.03	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Consumer Products	—	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.07	1.30	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.52	8.52	< 0.005	< 0.005	—	8.53
Consumer Products	—	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.03	< 0.005	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.72	0.72	< 0.005	< 0.005	—	0.72
Total	0.03	0.26	0.01	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.25	9.25	< 0.005	< 0.005	—	9.26

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Total	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Total	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48
Total	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67
Total	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Mobile Home Park	210	194	178	74,131	1,836	1,693	1,557	648,209

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	36
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
110565	36,855	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Mobile Home Park	178,415	690	0.0489	0.0069	1,233,330

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Mobile Home Park	1,565,500	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Mobile Home Park	10.5	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9

Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114

Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529
Health Outcomes	—
Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2

Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	14.8
Elderly	85.6
English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7

Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on client provided information.
Construction: Construction Phases	Based on applicant provided schedule
Construction: Architectural Coatings	Default values
Operations: Vehicle Data	Default values
Operations: Hearths	No Wood Stoves and no wood fireplaces

Construction: Trips and VMT	Based on applicant provided information.
Operations: Energy Use	Existing use only
Operations: Water and Waste Water	Existing use only

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5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PCH Comparison
Operational Year	2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	612	Dwelling Unit	16.1	587,520	7,323	0.00	1,812	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Energy	E-15	Require All-Electric Development

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	30.7	28.7	19.3	139	0.29	0.99	20.6	21.6	0.97	5.24	6.22	288	40,459	40,747	30.7	1.09	90.3	41,930
Mit.	30.7	28.7	19.3	139	0.29	0.99	20.6	21.6	0.97	5.24	6.22	288	40,459	40,747	30.7	1.09	90.3	41,930
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.2	25.5	19.8	96.0	0.28	0.97	20.6	21.6	0.96	5.24	6.20	288	39,384	39,672	30.7	1.14	6.44	40,787
Mit.	27.2	25.5	19.8	96.0	0.28	0.97	20.6	21.6	0.96	5.24	6.20	288	39,384	39,672	30.7	1.14	6.44	40,787
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	27.9	26.5	11.6	114	0.23	0.33	19.4	19.7	0.31	4.93	5.25	288	28,391	28,679	30.5	1.08	39.5	29,801
Mit.	27.9	26.5	11.6	114	0.23	0.33	19.4	19.7	0.31	4.93	5.25	288	28,391	28,679	30.5	1.08	39.5	29,801
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	5.08	4.83	2.11	20.8	0.04	0.06	3.54	3.60	0.06	0.90	0.96	47.6	4,700	4,748	5.04	0.18	6.54	4,934
Mit.	5.08	4.83	2.11	20.8	0.04	0.06	3.54	3.60	0.06	0.90	0.96	47.6	4,700	4,748	5.04	0.18	6.54	4,934
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Area	17.9	17.2	8.97	38.3	0.06	0.72	—	0.72	0.71	—	0.71	0.00	11,046	11,046	0.21	0.02	—	11,058
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	30.7	28.7	19.3	139	0.29	0.99	20.6	21.6	0.97	5.24	6.22	288	40,459	40,747	30.7	1.09	90.3	41,930
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Area	14.6	14.1	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	27.2	25.5	19.8	96.0	0.28	0.97	20.6	21.6	0.96	5.24	6.20	288	39,384	39,672	30.7	1.14	6.44	40,787

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	10.7	9.23	89.4	0.21	0.14	19.4	19.6	0.13	4.93	5.07	—	21,534	21,534	1.12	0.93	35.3	21,874
Area	15.9	15.8	0.82	24.0	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	814	814	0.02	< 0.005	—	815
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	27.9	26.5	11.6	114	0.23	0.33	19.4	19.7	0.31	4.93	5.25	288	28,391	28,679	30.5	1.08	39.5	29,801
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621
Area	2.90	2.87	0.15	4.38	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	135	135	< 0.005	< 0.005	—	135
Energy	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	952	952	0.07	0.01	—	955
Water	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1
Waste	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	5.08	4.83	2.11	20.8	0.04	0.06	3.54	3.60	0.06	0.90	0.96	47.6	4,700	4,748	5.04	0.18	6.54	4,934

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Area	17.9	17.2	8.97	38.3	0.06	0.72	—	0.72	0.71	—	0.71	0.00	11,046	11,046	0.21	0.02	—	11,058
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	30.7	28.7	19.3	139	0.29	0.99	20.6	21.6	0.97	5.24	6.22	288	40,459	40,747	30.7	1.09	90.3	41,930
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Area	14.6	14.1	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	27.2	25.5	19.8	96.0	0.28	0.97	20.6	21.6	0.96	5.24	6.20	288	39,384	39,672	30.7	1.14	6.44	40,787
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	10.7	9.23	89.4	0.21	0.14	19.4	19.6	0.13	4.93	5.07	—	21,534	21,534	1.12	0.93	35.3	21,874
Area	15.9	15.8	0.82	24.0	< 0.005	0.06	—	0.06	0.06	—	0.06	0.00	814	814	0.02	< 0.005	—	815
Energy	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	5,748	5,748	0.44	0.04	—	5,771
Water	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Waste	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	27.9	26.5	11.6	114	0.23	0.33	19.4	19.7	0.31	4.93	5.25	288	28,391	28,679	30.5	1.08	39.5	29,801
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621
Area	2.90	2.87	0.15	4.38	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	135	135	< 0.005	< 0.005	—	135
Energy	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	952	952	0.07	0.01	—	955
Water	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1
Waste	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	5.08	4.83	2.11	20.8	0.04	0.06	3.54	3.60	0.06	0.90	0.96	47.6	4,700	4,748	5.04	0.18	6.54	4,934

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Total	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Total	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621
Total	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Total	12.6	11.4	8.78	99.6	0.23	0.15	20.6	20.8	0.14	5.24	5.38	—	23,370	23,370	1.14	0.92	86.1	23,760
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Total	12.5	11.3	9.61	91.6	0.22	0.15	20.6	20.8	0.14	5.24	5.38	—	22,388	22,388	1.19	0.97	2.23	22,709
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621
Total	2.15	1.94	1.68	16.3	0.04	0.03	3.54	3.57	0.02	0.90	0.92	—	3,565	3,565	0.19	0.15	5.85	3,621

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	629	629	0.04	0.01	—	632
Total	—	—	—	—	—	—	—	—	—	—	—	—	629	629	0.04	0.01	—	632

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,801	3,801	0.27	0.04	—	3,819
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	629	629	0.04	0.01	—	632
Total	—	—	—	—	—	—	—	—	—	—	—	—	629	629	0.04	0.01	—	632

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Total	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Total	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	322	322	0.03	< 0.005	—	323
Total	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	322	322	0.03	< 0.005	—	323

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Total	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Total	0.18	0.09	1.53	0.65	0.01	0.12	—	0.12	0.12	—	0.12	—	1,947	1,947	0.17	< 0.005	—	1,952
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	322	322	0.03	< 0.005	—	323
Total	0.03	0.02	0.28	0.12	< 0.005	0.02	—	0.02	0.02	—	0.02	—	322	322	0.03	< 0.005	—	323

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.01	0.50	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Consumer Products	12.6	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.29	3.12	0.34	34.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	92.8	92.8	< 0.005	< 0.005	—	93.2
Total	17.9	17.2	8.97	38.3	0.06	0.72	—	0.72	0.71	—	0.71	0.00	11,046	11,046	0.21	0.02	—	11,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.01	0.50	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Consumer Products	12.6	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.6	14.1	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	124	124	< 0.005	< 0.005	—	124
Consumer Products	2.29	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41	0.39	0.04	4.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Total	2.90	2.87	0.15	4.38	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	135	135	< 0.005	< 0.005	—	135

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.01	0.50	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Consumer Products	12.6	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.29	3.12	0.34	34.6	< 0.005	0.02	—	0.02	0.01	—	0.01	—	92.8	92.8	< 0.005	< 0.005	—	93.2
Total	17.9	17.2	8.97	38.3	0.06	0.72	—	0.72	0.71	—	0.71	0.00	11,046	11,046	0.21	0.02	—	11,058
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	1.01	0.50	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Consumer Products	12.6	12.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.01	1.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	14.6	14.1	8.63	3.67	0.06	0.70	—	0.70	0.70	—	0.70	0.00	10,953	10,953	0.21	0.02	—	10,965
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	0.01	0.11	0.05	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	124	124	< 0.005	< 0.005	—	124

Consum Products	2.29	2.29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.18	0.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.41	0.39	0.04	4.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.6
Total	2.90	2.87	0.15	4.38	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	135	135	< 0.005	< 0.005	—	135

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Total	—	—	—	—	—	—	—	—	—	—	—	43.7	295	339	4.50	0.11	—	484
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1
Total	—	—	—	—	—	—	—	—	—	—	—	7.24	48.8	56.1	0.75	0.02	—	80.1

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Total	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Total	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141
Total	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Total	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Total	—	—	—	—	—	—	—	—	—	—	—	244	0.00	244	24.4	0.00	—	854
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141
Total	—	—	—	—	—	—	—	—	—	—	—	40.4	0.00	40.4	4.04	0.00	—	141

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartme Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.21	4.21
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.70	0.70

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	3,329	3,005	2,503	1,155,194	29,111	26,275	21,887	10,101,067

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	3,329	3,005	2,503	1,155,194	29,111	26,275	21,887	10,101,067

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	520
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	61
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	520
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	61
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
1189728	396,576	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,009,498	690	0.0489	0.0069	6,074,320

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	2,009,498	690	0.0489	0.0069	6,074,320

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	22,811,566	125,525

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	22,811,566	125,525

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	453	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	453	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9
Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114
Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529
Health Outcomes	—

Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2
Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	14.8
Elderly	85.6

English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7
Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Trips and VMT	Truck added to vendor for watering roads
Operations: Hearths	No wood burning.

Attachment B

Greenhouse Gas Technical Memorandum

DUDEK
225 SOUTH LAKE AVENUE
SUITE M210
PASADENA, CALIFORNIA 91101
T 626.204.9800

MEMORANDUM

To:	Alex Wong, Red Oak Investments
From:	David Larocca, Air Quality/Greenhouse Gas Emissions Specialist, Dudek
Subject:	Greenhouse Gas Technical Memorandum for the 1280 Pacific Coast Highway Mixed-Use Development Project
Date:	November 13, 2024, Revised January 2025
Attachment:	A, Greenhouse Gas Modeling Data

1 Introduction

The purpose of this greenhouse gas (GHG) technical memorandum is to evaluate the potential GHG impacts of the proposed 1280 Pacific Coast Highway Mixed-Use Development Project (the Project), located on a 3.7-acre sitelocated at 1268, 1270 & 1290 Pacific Coast Highway & 25900 South Frampton Avenue (the Project Site) within the Wilmington – Harbor City Community Plan (Community Plan) Area in the City of Los Angeles (City). The Project would replace an existing mobile home and a surface parking lot with a mixed-use building consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure. The mixed-use building would occupy a majority of the Project Site and would be approximately 406,855 square feet in size and 5 stories in height (80 feet in height, as measured to the lowest grade). The Project would not include any subterranean levels.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR, to adopt the 2021-2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element), hereafter referred to as the "Housing Element Program EIR." The Project has been found to be within the scope of the program analyzed in the Housing Element Program EIR. The Housing Element Program EIR found that impacts related to GHG emissions would be less than significant. Nevertheless, for informational purposes, Project-specific analysis related to GHG emissions is provided herein.

2 Environmental Setting

2.1 Greenhouse Gas Emissions Background

Global climate change refers to changes in average climatic conditions on Earth as a whole, including changes in temperature, wind patterns, precipitation, and severe weather events. Global warming, a related concept, is the observed increase in average temperature of Earth's surface and atmosphere. One identified cause of global

warming is an increase of GHGs in the atmosphere. GHGs are those compounds in Earth's atmosphere that play a critical role in determining Earth's surface temperature.

Earth's natural warming process is known as the "greenhouse effect." It is called the greenhouse effect because Earth and the atmosphere surrounding it are similar to a greenhouse with glass panes in that the glass allows solar radiation (sunlight) into Earth's atmosphere but prevents radiative heat from escaping, thus warming Earth's atmosphere. Some levels of GHGs keep the average surface temperature of Earth close to a hospitable 60 degrees Fahrenheit. However, as GHG from human activities increase, they build up in the atmosphere and warm the climate, leading to many other changes around the world - in the atmosphere, on land, and in the oceans, with associated adverse climatic and ecological consequences.[1]

Scientists studying the particularly rapid rise in global temperatures have determined that human activity has resulted in increased emissions of GHGs, primarily from the burning of fossil fuels (from motor vehicle travel, electricity generation, consumption of natural gas, industrial activity, manufacturing, etc.), deforestation, agricultural activity, and the decomposition of solid waste. Scientists refer to the global warming context of the past century as the "enhanced greenhouse effect" to distinguish it from the natural greenhouse effect.[2]

Global GHG emissions due to human activities have grown since pre-industrial times. As reported by the United States Environmental Protection Agency (USEPA), global carbon emissions from fossil fuels increased by over 16 times between 1900 and 2008 and by about 43 percent between 1990 and 2015. In addition, in the Global Carbon Budget 2019 report, published in December 2019, atmospheric carbon dioxide (CO_2) concentrations in 2018 were found to be 47 percent above the concentration at the start of the Industrial Revolution, and the present concentration is the highest during at least the last 800,000 years.[3] Global increases in CO_2 concentrations are due primarily to fossil fuel use, with land use change providing another significant but smaller contribution. Regarding emissions of non-CO_2 GHGs, these have also increased significantly since 1990.[4] In particular, studies have concluded that it is very likely that the observed increase in methane (CH_4) concentration is predominantly due to agriculture and fossil fuel use.[5]

In August 2007, international climate talks held under the auspices of the United Nations Framework Convention on Climate Change (UNFCCC) led to the official recognition by the participating nations that global emissions of GHG must be reduced. According to the "Ad Hoc Working Group on Further Commitments of Annex I Parties under the Kyoto Protocol," avoiding the most catastrophic events forecast by the United Nations Intergovernmental Panel on Climate Change (IPCC) would entail emissions reductions by industrialized countries in the range of 25 to 40 percent below 1990 levels. Because of the Kyoto Protocol's Clean Development Mechanism, which gives industrialized countries credit for financing emission-reducing projects in developing countries, such an emissions goal in industrialized countries could ultimately spur efforts to cut emissions in developing countries as well.[6]

1 USEPA, *Climate Change Indicators: Greenhouse Gases*, https://www.epa.gov/climate-indicators/greenhouse-gases, accessed September 24, 2021.
2 Pew Center on Global Climate Change, Climate Change 101: Understanding and Responding to Global Climate Change.
3 P. Friedlingstein et al.: Global Carbon Budget 2019, 2019.
4 USEPA, Global Greenhouse Gas Emissions Data, www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data, accessed September 24, 2021.
5 USEPA, Climate Change Indicators: Atmospheric Concentrations of Greenhouse Gas, updated April 2021.
6 United Nations Framework Convention on Climate Change, Press Release—Vienna UN Conference Shows Consensus on Key Building Blocks for Effective International Response to Climate Change, August 31, 2007.

In December 2015, the US entered into the Paris Agreement which has a goal of keeping a global temperature rise this century below 2 degrees Celsius above pre-industrial levels and limit the temperature increase further to 1.5 degrees Celsius. This agreement requires that all parties report regularly on emissions and implementation efforts to achieve these goals.

Regarding the adverse effects of global warming, as reported by SCAG:

> Global warming poses a serious threat to the economic well-being, public health and natural environment in southern California and beyond. The potential adverse impacts of global warming include, among others, a reduction in the quantity and quality of water supply, a rise in sea level, damage to marine and other ecosystems, and an increase in the incidences of infectious diseases. Over the past few decades, energy intensity of the national and state economy has been declining due to the shift to a more service-oriented economy. California ranked fifth lowest among the states in CO2 emissions from fossil fuel consumption per unit of Gross State Product. However, in terms of total CO2 emissions, California is second only to Texas in the nation and is the 12th largest source of climate change emissions in the world, exceeding most nations. The SCAG region, with close to half of the state's population and economic activities, is also a major contributor to the global warming problem.[7]

GHG Fundamentals

GHGs are those compounds in the Earth's atmosphere that play a critical role in determining temperature near the Earth's surface. GHGs include carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF_6), and nitrogen trifluoride (NF_3).[8] More specifically, these gases allow high-frequency shortwave solar radiation to enter the Earth's atmosphere, but retain some of the low frequency infrared energy which is radiated back from the Earth towards space, resulting in a warming of the atmosphere. Compounds that are regulated as GHGs are discussed in Table 1 below.[9, 10]

Table 1. Description of Identified GHGs[a]

Greenhouse Gas	General Description
Carbon Dioxide (CO_2)	An odorless, colorless GHG, which has both natural and anthropocentric sources. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic (human-caused) sources of CO_2 are burning coal, oil, natural gas, and wood.
Methane (CH_4)	A flammable gas and the main component of natural gas. When one molecule of CH_4 is burned in the presence of oxygen, one molecule of CO_2 and two molecules of water are released. A natural source of CH_4 is the anaerobic decay of organic matter. Geological deposits, known as natural gas fields, also contain CH_4, which is extracted for fuel. Other sources are from landfills, fermentation of manure, and cattle.

7 SCAG, The State of the Region—Measuring Regional Progress, December 2006, p. 121.
8 As defined by California Assembly Bill (AB) 32 and Senate Bill (SB) 104.
9 Intergovernmental Panel on Climate Change, Second Assessment Report, Working Group I: The Science of Climate Change, 1995.
10 Intergovernmental Panel on Climate Change, Fourth Assessment Report, Working Group I Report: The Physical Science Basis, Table 2.14, 2007.

Table 1. Description of Identified GHGs[a]

Greenhouse Gas	General Description
Nitrous Oxide (N_2O)	A colorless GHG. High concentrations can cause dizziness, euphoria, and sometimes slight hallucinations. N_2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used in rocket engines, race cars, and as an aerosol spray propellant.
Hydrofluorocarbons (HFCs)	Chlorofluorocarbons (CFCs) are gases formed synthetically by replacing all hydrogen atoms in CH_4 or ethane (C_2H_6) with chlorine and/or fluorine atoms. CFCs are non-toxic, non-flammable, insoluble, and chemically unreactive in the troposphere (the level of air at Earth's surface). CFCs were first synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. Because they destroy stratospheric ozone, the production of CFCs was stopped as required by the Montreal Protocol in 1987. HFCs are synthetic man-made chemicals that are used as a substitute for CFCs as refrigerants. HFCs deplete stratospheric ozone, but to a much lesser extent than CFCs.
Perfluorocarbons (PFCs)	PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane and hexafluoroethane. The two main sources of PFCs are primary aluminum production and semi-conductor manufacturing.
Sulfur Hexafluoride (SF_6)	An inorganic, odorless, colorless, non-toxic, and non-flammable gas. SF_6 is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semi-conductor manufacturing, and as a tracer gas for leak detection.
Nitrogen Trifluoride (NF_3)	An inorganic, non-toxic, odorless, non-flammable gas. NF_3 is used in the manufacture of semi-conductors, as an oxidizer of high energy fuels, for the preparation of tetrafluorohydrazine, as an etchant gas in the electronic industry, and as a fluorine source in high power chemical lasers.

Source: Association of Environmental Professionals, Alternative Approaches to Analyze Greenhouse Gas Emissions and Global Climate Change in CEQA Documents, Final, June 29, 2007; Environmental Protection Agency, Acute Exposure Guideline Levels (AEGLs) for Nitrogen Trifluoride; January 2009.

[a] GHGs identified in this table are ones identified in the Kyoto Protocol and other synthetic gases recently added to the IPCC's Fifth Assessment Report.

Not all GHGs possess the same ability to induce climate change. Carbon dioxide is the most abundant GHG in Earth's atmosphere. Other GHGs are less abundant but have higher global warming potential (GWP) than CO_2. Thus, emissions of other GHGs are commonly quantified in the units of equivalent mass of carbon dioxide (CO_2e). GWP is based on several factors, including the radiative efficiency (heat-absorbing ability) of each gas relative to that of CO_2, as well as the decay rate of each gas (the amount removed from the atmosphere over a given number of years otherwise referred to as atmospheric lifetime) relative to that of CO_2.

The larger the GWP, the more that a given gas warms the Earth compared to CO_2 over that time.[11] These GWP ratios are available from the Intergovernmental Panel on Climate Change (IPCC). Historically, GHG emission inventories have been calculated using the GWPs from the IPCC's Second Assessment Report (SAR). The IPCC updated the GWP values in its Fourth Assessment Report (AR4). The GWPs in the IPCC AR4 are used by CARB for reporting Statewide GHG emissions inventories, consistent with international reporting standards. By applying the GWP ratios, Project-related CO_2e emissions can be tabulated in metric tons per year. Typically, the GWP ratio corresponding to the warming potential of CO_2 over a 100-year period is used as a baseline.

The IPCC has issued an updated Fifth Assessment Report (AR5), which has revised down the majority of the GWP for key regulated pollutants. As CARB still uses AR4 values and the modeling software CalEEmod is built on these assumptions, AR4 GWP values are used for the Project. Generally, the changes from AR4 to AR5 are reductions in warming potential for the GHG most associated with construction and operation of typical development projects. The GWP from AR4 and AR5 and atmospheric lifetimes for key regulated GHGs are provided in Table 2.

Table 2. Atmospheric Lifetimes and Global Warming Potentials

Gas	Atmospheric Lifetime (Years)	Global Warming Potential (100-Year Time Horizon) (AR4 Assessment)	Global Warming Potential (100-Year Time Horizon) (AR5 Assessment)
Carbon Dioxide (CO_2)	50-200	1	1
Methane (CH_4)	12 (+/-3)	25	28
Nitrous Oxide (N_2O)	114	298	265
HFC-23: Fluoroform (CHF_3)	270	14,800	12,400
HFC-134a: 1,1,1,2-Tetrafluoroethane (CH_2FCF_3)	14	1,430	1,300
HFC-152a: 1,1-Difluoroethane ($C_2H_4F_2$)	1.4	124	138
PFC-14: Tetrafluoromethane (CF_4)	50,000	7,390	6,630
PFC-116: Hexafluoroethane (C_2F_6)	10,000	12,200	11,100
Sulfur Hexafluoride (SF_6)	3,200	22,800	23,500
Nitrogen Trifluoride (NF_3)	740	17,200	16,100

Source: IPCC, *Climate Change 2007: Working Group I: The Physical Science Basis, Direct Global Warming Potentials.*

Projected Impacts of Global Warming in California

In 2009, California adopted a statewide Climate Adaptation Strategy (CAS) that summarizes climate change impacts and recommends adaptation strategies across seven sectors: Public Health, Biodiversity and Habitat, Oceans and Coastal Resources, Water, Agriculture, Forestry, and Transportation and Energy. The California Natural Resources

[11] GWPs and associated CO2e values were developed by the Intergovernmental Panel on Climate Change (IPCC), and published in its Second Assessment Report (SAR) in 1996. Historically, GHG emission inventories have been calculated using the GWPs from the IPCC's SAR. The IPCC updated the GWP values based on the latest science in its Fourth Assessment Report (AR4). CARB has begun reporting GHG emission inventories for California using the GWP values from the IPCC AR4.

Agency will be updating the CAS and is responsible for preparing reports to the Governor on the status of the CAS. The Natural Resources Agency has produced climate change assessments which detail impacts of global warming in California.[12] These include:

- Sea level rise, coastal flooding and erosion of California's coastlines would increase, as well as sea water intrusion.
- The Sierra snowpack would decline between 70 and 90 percent, threatening California's water supply.
- Higher risk of forest fires resulting from increasing temperatures and making forests and brush drier. Climate change will affect tree survival and growth.
- Attainment of air quality standards would be impeded by increasing emissions, accelerating chemical processes, and raising inversion temperatures during stagnation episodes resulting in public health impacts.
- Habitat destruction and loss of ecosystems due to climate change affecting plant and wildlife habitats.
- Global warming can cause drought, warmer temperatures and saltwater contamination resulting in impacts to California's agricultural industry.

With regard to public health, as reported by the Center for Health and the Global Environment at the Harvard Medical School, the following are examples of how climate change can affect cardio-respiratory disease: (1) pollen is increased by higher levels of atmospheric CO_2; (2) heat waves can result in temperature inversions, leading to trapped masses or unhealthy air contaminants by smog, particulates, and other pollutants; and (3) the incidence of forest fires is increased by drought secondary to climate change and to the lack of spring runoff from reduced winter snows. These fires can create smoke and haze, which can settle over urban populations causing acute and exacerbating chronic respiratory illness.[13]

2.2 Greenhouse Gas Emissions Regulatory Framework

There are a number of plans, regulations, programs, and agencies that provide policies, requirements, and guidelines regarding GHG emissions at the federal, state, regional, and local levels. As described below, these plans, guidelines, and laws include the following:

- Federal Clean Air Act
- Federal Vehicle Standards: Corporate Average Fuel Economy (CAFE) Standards
- Inflation Reduction Act of 2022
- Energy Independence and Security Act
- California Air Resources Board
- California Greenhouse Gas Reduction Targets
- California Global Warming Solutions Act (AB 32)
- Climate Change Scoping Plan
- Cap-and-Trade Program
- Emission Performance Standards

[12] State of California, Department of Justice, Office of the Attorney General, *Climate Change Impacts in California*, https://oag.ca.gov/environment/impact, accessed September 24, 2021.

[13] Paul R. Epstein, et al., *Urban Indicators of Climate Change, Report from the Center for Health and the Global Environment*, (Harvard Medical School and the Boston Public Health Commission, August 2003), unpaginated

- Renewables Portfolio Standard Program
- Clean Energy and Pollution Reduction Act
- Pavley Standards
- California Low Carbon Fuel Standard
- Advanced Clean Cars Regulations
- Sustainable Communities and Climate Protection Act (SB 375)
- Senate Bill 743
- Executive Order N-79-20
- California Appliance Efficiency Regulations
- Title 24, Building Standards Code and CALGreen Code
- CEQA Guidelines
- South Coast Air Quality Management District
- Southern California Association of Governments Regional Transportation Plan/Sustainable Communities Strategy
- Green New Deal
- City of Los Angeles Green Building Code
- City of Los Angeles Solid Waste Programs and Ordinances
- City of Los Angeles General Plan
- City of Los Angeles Municipal Code - All Electric Buildings
- City of Los Angeles Mobility Plan 2035
- Traffic Study Policies and Procedures

Federal

Federal Clean Air Act

The United States Environmental Protection Agency (USEPA) is responsible for implementing federal policy to address GHGs. The United States Supreme Court (Supreme Court) ruled in *Massachusetts v. Environmental Protection Agency*, 127 S.Ct. 1438 (2007), that CO_2 and other GHGs are pollutants under the federal Clean Air Act (CAA), which the USEPA must regulate if it determines they pose an endangerment to public health or welfare. In December 2009, U.S. EPA issued an endangerment finding for GHGs under the Clean Air Act, setting the stage for future regulation.

The Federal Government administers a wide array of public-private partnerships to reduce the GHG intensity generated in the United States. These programs focus on energy efficiency, renewable energy, methane and other non-CO_2 gases, agricultural practices, and implementation of technologies to achieve GHG reductions. USEPA implements numerous voluntary programs that contribute to the reduction of GHG emissions. These programs (e.g., the ENERGY STAR labeling system for energy-efficient products) play a significant role in encouraging voluntary reductions from large corporations, consumers, industrial and commercial buildings, and many major industrial sectors.

Corporate Average Fuel Economy (CAFE) Standards

In response to the *Massachusetts v. Environmental Protection Agency* ruling, President George W. Bush issued Executive Order 13432 in 2007, directing the USEPA, the United States Department of Transportation (USDOT), and the United States Department of Energy (USDOE) to establish regulations that reduce GHG emissions from motor vehicles, non-road vehicles, and non-road engines by 2008. The National Highway Traffic Safety Administration (NHTSA) subsequently issued multiple final rules regulating fuel efficiency for and GHG emissions from cars and light-duty trucks for model year 2011 and later for model years 2012-2016, and 2017-2021. In March 2020, the USDOT and the USEPA issued the final Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule, which amends existing CAFE standards and tailpipe carbon dioxide emissions standards for passenger cars and light trucks and establishes new standards covering model years 2021 through 2026[14]. These standards set a combined fleet wide average of 36.9 to 37 for the model years affected. [15]

In addition to the regulations applicable to cars and light-duty trucks described above, in 2011 the USEPA and NHTSA announced fuel economy and GHG standards for medium- and heavy-duty trucks for model years 2014–2018. The standards for CO_2 emissions and fuel consumption are tailored to three main vehicle categories: combination tractors, heavy-duty pickup trucks and vans, and vocational vehicles. According to the USEPA, this regulatory program would reduce GHG emissions and fuel consumption for the affected vehicles by 6 to 23 percent over the 2010 baselines. Building on the first phase of standards, in August 2016, the EPA and NHTSA finalized Phase 2 standards for medium and heavy-duty vehicles through model year 2027 that will improve fuel efficiency and cut carbon pollution. The Phase 2 standards are expected to lower CO_2 emissions by approximately 1.1 billion metric tons.[16]

The Inflation Reduction Act of 2022

The Inflation Reduction Act was signed into law by President Biden in August 2022. The Act includes specific investment in energy and climate reform and is projected to reduce GHG emissions within the United States by 40% as compared to 2005 levels by 2030. The Act allocates funds to boost renewable energy infrastructure (e.g., solar panels and wind turbines), includes tax credits for the purchase of electric vehicles, and includes measures that will make homes more energy efficient.

The Inflation Reduction Act authorized the EPA to implement the Greenhouse Gas Reduction Fund (GGRF) program, which is a historic, $27 billion investment to mobilize financing and private capital to combat the climate crisis and ensure American economic competitiveness. The GGRF will be designed to achieve the following program objectives: reduce GHG emissions and other air pollutants; deliver the benefits of GHG- and air-pollution-reducing projects to American communities, particularly low-income and disadvantaged communities; and mobilize financing and private capital to stimulate additional deployment of GHG and air pollution reducing projects (EPA 2023g).

The Inflation Reduction Act confirms that reduction of GHGs is a core goal of the Clean Air Act and that the funding provided should allow the EPA to increase the scope of its Clean Air Act rulemakings. The Act also confirms applicability of the Inflation Reduction Act to GHGs in three specific areas: (1) California's ability to regulate GHG

[14] United States Environmental Protection Agency, Final Rule for Model Year 2021 - 2026 Light-Duty Vehicle Greenhouse Gas Emission Standards and Corporate Average Fuel Economy Standards, published April 30, 2020.
[15] National Highway Traffic Safety Administration (NHTSA), Corporate Average Fuel Economy standards.
[16] U.S. EPA, EPA and NHTSA Adopt Standards to Reduce GHG and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles for Model Year 2018 and Beyond, August 2016.

emissions from vehicles; (2) the EPA's authority to regulate methane emissions from oil and gas facilities; and (3) the EPA's authority to regulate GHG emissions from power plants.

Energy Independence and Security Act

The Energy Independence and Security Act of 2007 (EISA) facilitates the reduction of national GHG emissions by requiring the following:

- Increasing the supply of alternative fuel sources by setting a mandatory Renewable Fuel Standard (RFS) that requires fuel producers to use at least 36 billion gallons of biofuel in 2022;
- Prescribing or revising standards affecting regional efficiency for heating and cooling products, procedures for new or amended standards, energy conservation, energy efficiency labeling for consumer electronic products, residential boiler efficiency, electric motor efficiency, and home appliances;
- Requiring approximately 25 percent greater efficiency for light bulbs by phasing out incandescent light bulbs between 2012 and 2014; requiring approximately 200 percent greater efficiency for light bulbs, or similar energy savings, by 2020; and
- While superseded by the USEPA and NHTSA actions described above, (i) establishing miles per gallon targets for cars and light trucks and (ii) directing the NHTSA to establish a fuel economy program for medium- and heavy-duty trucks and create a separate fuel economy standard for trucks.

Additional provisions of EISA address energy savings in government and public institutions, promote research for alternative energy, additional research in carbon capture, international energy programs, and the creation of "green jobs."[17]

State

California Air Resources Board

The California Air Resources Board (CARB), a part of the California Environmental Protection Agency (CalEPA), is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, and provides oversight of local programs. CARB establishes emissions standards for motor vehicles sold in California, consumer products (such as hairspray, aerosol paints, and barbecue lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions. CARB has primary responsibility for the development of California's State Implementation Plan (SIP), for which it works closely with the Federal Government and the local air districts. The SIP is required for the State to take over implementation of the Federal Clean Air Act. CARB also has primary responsibility for adopting regulations to meet the State's goal of reducing GHG emissions. The State has met its goals to reduce GHG emissions to 1990 levels by 2020. Subsequent State goals include reducing GHG emissions to 40 percent below 1990 levels by 2030 and to 80 percent below 1990 levels by 2050.

[17] A green job, as defined by the United States Department of Labor, is a job in business that produces goods or provides services that benefit the environment or conserve natural resources.

California Greenhouse Gas Reduction Targets

Executive Order S-3-05

Governor Arnold Schwarzenegger announced on June 1, 2005, through Executive Order S-3-05, the following GHG emission reduction targets:

- By 2010, California shall reduce GHG emissions to 2000 levels;
- By 2020, California shall reduce GHG emissions to 1990 levels; and
- By 2050, California shall reduce GHG emissions to 80 percent below 1990 levels.

In accordance with Executive Order S-3-05, the Secretary of CalEPA is required to coordinate efforts of various agencies, which comprise the California Climate Action Team (CAT), in order to collectively and efficiently reduce GHGs. The CAT provides periodic reports to the Governor and Legislature on the State of GHG reductions in the State as well as strategies for mitigating and adapting to climate change.

The CAT stated that smart land use is an umbrella term for strategies that integrate transportation and land-use decisions. Such strategies generally encourage jobs/housing proximity, promote transit-oriented development (TOD), and encourage high-density residential/commercial development along transit corridors. These strategies develop more efficient land-use patterns within each jurisdiction or region to match population increases, workforce, and socioeconomic needs for the full spectrum of the population.

Executive Order B-30-15

On April 29, 2015, Governor Brown issued Executive Order B-30-15. Therein, the Governor directed the following:

- Established a new interim statewide reduction target to reduce GHG emissions to 40 percent below 1990 levels by 2030.
- Ordered all state agencies with jurisdiction over sources of GHG emissions to implement measures to achieve reductions of GHG emissions to meet the 2030 and 2050 reduction targets.
- Directed CARB to update the Climate Change Scoping Plan to express the 2030 target in terms of million metric tons of carbon dioxide equivalent.

Executive Order B-55-18

Executive Order B-55-18, issued by Governor Brown in September 2018, establishes a new statewide goal to achieve carbon neutrality as soon as possible, but no later than 2045, and achieve and maintain net negative emissions thereafter. Based on this executive order, CARB would work with relevant state agencies to develop a framework for implementation and accounting that tracks progress towards this goal as well as ensuring future scoping plans identify and recommend measures to achieve the carbon neutrality goal.

California Global Warming Solutions Act of 2006

In 2006, the California State Legislature adopted Assembly Bill (AB) 32 (codified in the California Health and Safety Code (HSC), Division 25.5 – California Global Warming Solutions Act of 2006), which focuses on reducing GHG

emissions in California to 1990 levels by 2020. HSC Division 25.5 defines regulated GHGs as CO_2, CH_4, N_2O, HFCs, PFCs, and SF_6 and represents the first enforceable Statewide program to limit emissions of these GHGs from all major industries, with penalties for noncompliance. The law further requires that reduction measures be technologically feasible and cost effective. Under HSC Division 25.5, CARB has the primary responsibility for reducing GHG emissions. CARB is required to adopt rules and regulations directing State actions that would achieve GHG emissions reductions.

To achieve these goals, AB 32 mandates that CARB establish a quantified emissions cap, institute a schedule to meet the cap, implement regulations to reduce statewide GHG emissions from stationary sources consistent with the CAT strategies, and develop tracking, reporting, and enforcement mechanisms to ensure that reductions are achieved. In order to achieve the reduction targets, AB 32 requires CARB to adopt rules and regulations in an open public process that achieve the maximum technologically feasible and cost-effective GHG reductions.[18]

In 2016, the California State Legislature adopted Senate Bill (SB) 32 and its companion bill AB 197, and both were signed by Governor Brown. SB 32 and AB 197 amend HSC Division 25.5, establish a new climate pollution reduction target of 40 percent below 1990 levels by 2030 and include provisions to ensure that the benefits of state climate policies reach disadvantaged communities. The new goals outlined in SB 32 update the scoping plan requirement of AB 32 and involve increasing renewable energy use, imposing tighter limits on the carbon content of gasoline and diesel fuel, putting more electric cars on the road, improving energy efficiency, and curbing emissions from key industries.

AB 197, signed September 8, 2016, is a bill linked to SB 32 and signed on September 8, 2016, prioritizes efforts to cut GHG emissions in low-income or minority communities. AB 197 requires CARB to make available, and update at least annually, on its website the emissions of GHGs, criteria pollutants, and toxic air contaminants for each facility that reports to CARB and air districts. In addition, AB 197 adds two Members of the Legislature to the CARB board as ex officio, non-voting members and creates the Joint Legislative Committee on Climate Change Policies to ascertain facts and make recommendations to the Legislature and the houses of the Legislature concerning the State's programs, policies, and investments related to climate change.

Climate Change Scoping Plan

AB 32 required CARB to prepare a Climate Change Scoping Plan for achieving the maximum technologically feasible and cost-effective GHG emission reduction by 2020 (HSC section 38561 (h)). The 2008 Climate Change Scoping Plan proposed a "comprehensive set of actions designed to reduce overall carbon GHG emissions in California, improve our environment, reduce our dependence on oil, diversify our energy sources, save energy, create new jobs, and enhance public health."[19] The 2008 Climate Change Scoping Plan had a range of GHG reduction actions which included direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms, such as a cap-and-trade system, and an AB 32 implementation fee to fund the program.

The 2008 Climate Change Scoping Plan called for a "coordinated set of solutions" to address all major categories of GHG emissions. Transportation emissions were addressed through a combination of higher standards for vehicle

[18] CARB's list of discrete early action measures that could be adopted and implemented before January 1, 2010, was approved on June 21, 2007. The three adopted discrete early action measures are: (1) a low-carbon fuel standard, which reduces carbon intensity in fuels statewide; (2) reduction of refrigerant losses from motor vehicle air conditioning system maintenance; and (3) increased methane capture from landfills, which includes requiring the use of state-of-the-art capture technologies.

[19] CARB, *Climate Change Scoping Plan*, December 2008.

fuel economy, implementation of the Low Carbon Fuel Standard (LCFS), and greater consideration to reducing trip length and generation through land use planning and transit-oriented development. Buildings, land use, and industrial operations were encouraged and, sometimes, required to use energy more efficiently. Utility energy providers were required to include more renewable energy sources through implementation of the Renewables Portfolio Standard.[20] Additionally, the 2008 Climate Change Scoping Plan emphasized opportunities for households and businesses to save energy and money through increasing energy efficiency. It indicates that substantial savings of electricity and natural gas will be accomplished through "improving energy efficiency by 25 percent."

The 2008 Climate Change Scoping Plan identified several specific issues relevant to the development projects, including:

- The potential of using the green building framework as a mechanism, which could enable GHG emissions reductions in other sectors (i.e., electricity, natural gas), noting that:

  A Green Building strategy will produce greenhouse gas savings through buildings that exceed minimum energy efficiency standards, decrease consumption of potable water, reduce solid waste during construction and operation, and incorporate sustainable materials. Combined, these measures can also contribute to healthy indoor air quality, protect human health, and minimize impacts to the environment.
- The importance of supporting the Department of Water Resources' work to implement the Governor's objective to reduce per capita water use by 20 percent by 2020. Specific measures to achieve this goal include water use efficiency, water recycling, and reuse of urban runoff. The *Climate Change Scoping Plan* notes that water use requires significant amounts of energy, including approximately one-fifth of statewide electricity.
- Encouraging local governments to set quantifiable emission reduction targets for their jurisdictions and use their influence and authority to encourage reductions in emissions caused by energy use, waste and recycling, water and wastewater systems, transportation, and community design.

As required by HSC Division 25.5, CARB approved the 1990 GHG emissions inventory, thereby establishing the emissions reduction target for 2020. The 2020 emissions reduction target was originally set at 427 million metric tons (MMT) of CO_2e using the GWP values from the IPCC SAR. Forecasting the amount of emissions that would occur in 2020 if no actions are taken was necessary to assess the scope of the reductions California must make to return to the 1990 emissions level by 2020 as required by AB 32. CARB originally defined the "business-as-usual" or BAU scenario as emissions in the absence of any GHG emission reduction measures discussed in the 2008 Climate Change Scoping Plan, as approximately 596 $MMTCO_2e$ (using GWP values from the IPCC SAR). For example, in further explaining CARB's BAU methodology, CARB assumed that all new electricity generation would be supplied by natural gas plants, no further regulatory action would impact vehicle fuel efficiency, and building energy efficiency codes would be held at 2005 standards. Therefore, under these original projections, the State would have had to reduce its 2020 BAU emissions by 28.4 percent to meet the 1990 target of 427 $MMTCO_2e$.

2014 Update to the Climate Change Scoping Plan

The First Update to the Scoping Plan was approved by CARB in May 2014 and built upon the initial Scoping Plan with new strategies and recommendations.[21] In 2014, CARB revised the target using the GWP values from the IPCC AR4 and determined the 1990 GHG emissions inventory and 2020 GHG emissions limit to be increased to 431 $MMTCO_2e$. CARB also updated the State's 2020 BAU emissions estimate to account for the effect of the 2007–

[20] For a discussion of Renewables Portfolio Standard, refer to subsection California Renewables Portfolio Standard.
[21] CARB, First Update to the AB 32 Scoping Plan, May 2014.

2009 economic recession, new estimates for future fuel and energy demand, and the reductions required by regulation that had recently been adopted for motor vehicles and renewable energy. CARB's projected statewide 2020 emissions estimate using the GWP values from the IPCC AR4 was 509.4 $MMTCO_2e$. Therefore, under the first update to the Scoping Plan, the emission reductions necessary to achieve the 2020 emissions target of 431 $MMTCO_2e$ would have been 78.4 $MMTCO_2e$, or a reduction of GHG emissions by approximately 15.4 percent, (down from 28.4 percent).

The stated purpose of the First Update was to "highlight… California's success to date in reducing its GHG emissions and lay… the foundation for establishing a broad framework for continued emission reductions beyond 2020, on the path to 80 percent below 1990 levels by 2050."[22] The First Update found that California was on track to meet the 2020 emissions reduction mandate established by AB 32 and noted that California could reduce emissions further by 2030 to levels squarely in line with those needed to stay on track to reduce emissions to 80 percent below 1990 levels by 2050 if the State realizes the expected benefits of existing policy goals.[23]

In conjunction with the First Update, CARB identified "six key focus areas comprising major components of the State's economy to evaluate and describe the larger transformative actions that will be needed to meet the State's more expansive emission reduction needs by 2050."[24] Those six areas are: (1) energy; (2) transportation (vehicles/ equipment, sustainable communities, housing, fuels, and infrastructure); (3) agriculture; (4) water; (5) waste management; and (6) natural and working lands. The First Update identifies key recommended actions for each sector that will facilitate achievement of the 2050 reduction target.

Based on CARB's research efforts, it has a "strong sense of the mix of technologies needed to reduce emissions through 2050."[25] Those technologies include energy demand reduction through efficiency and activity changes; large-scale electrification of on-road vehicles, buildings, and industrial machinery; decarbonizing electricity and fuel supplies; and the rapid market penetration of efficient and clean energy technologies.

The First Update discussed new residential and commercial building energy efficiency improvements, specifically identifying progress towards zero net energy buildings as an element of meeting mid-term and long-term GHG reduction goals. The First Update expressed CARB's commitment to working with the California Public Utilities Commission (CPUC) and California Energy Commission (CEC) to facilitate further achievements in building energy efficiency.

2017 Update to Climate Change Scoping Plan

In response to the passage of SB 32 and the identification of the 2030 GHG reduction target, CARB adopted the 2017 Climate Change Scoping Plan in December 2017.[26] The 2017 Update builds upon the framework established by the 2008 Climate Change Scoping Plan and the First Update while identifying new, technologically feasible, and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health. The 2017 Update includes policies to require direct GHG reductions at some of the State's largest stationary

22 CARB, *2014 Update*, May 2014, p. 4.
23 CARB, *2014 Update*, May 2014, p. 34.
24 CARB, *2014 Update*, May 2014, p. 6
25 CARB, *2014 Update*, May 2014, p. 32
26 CARB, *California's 2017 Climate Change Scoping Plan*, November 2017.

sources and mobile sources. These policies include the use of lower GHG fuels, efficiency regulations, and the Cap-and-Trade program, which constraints and reduces emissions at covered sources.[27]

CARB's projected Statewide 2030 emissions takes into account 2020 GHG reduction policies and programs.[28] The 2017 Scoping Plan also addresses GHG emissions from natural and working lands of California, including the agriculture and forestry sectors. Under the Scoping Plan Scenario, the majority of the reductions would result from the continuation of the Cap-and-Trade regulation. Additional reductions would be achieved from electricity sector standards (i.e., utility providers to supply 50 percent renewable electricity by 2030), doubling the energy efficiency savings at end uses, additional reductions from the LCFS, implementing the short-lived GHG strategy (e.g., hydrofluorocarbons), and implementing the mobile source strategy and sustainable freight action plan. Implementation of mobile source strategies (cleaner technology and fuels) include the following:

- At least 1.5 million zero emission and plug-in hybrid light-duty electric vehicles by 2025
- At least 4.2 million zero emission and plug-in hybrid light-duty electric vehicles by 2030
- Further increase GHG stringency on all light-duty vehicles beyond existing Advanced Clean Cars regulations
- Medium- and heavy-duty GHG Phase 2
- Innovative Clean Transit: Transition to a suite of to-be-determined innovative clean transit options. Assumed 20 percent of new urban buses purchased beginning in 2018 will be zero emission buses with the penetration of zero-emission technology ramped up to 100 percent of new sales in 2030. Also, new natural gas buses, starting in 2018, and diesel buses, starting in 2020, meet the optional heavy-duty low-NO_X standard.
- Last Mile Delivery: New regulation that would result in the use of low NO_X or cleaner engines and the deployment of increasing numbers of zero-emission trucks primarily for Class 3–7 last mile delivery trucks in California. This measure assumes ZEVs comprise 2.5 percent of new Class 3–7 truck sales in local fleets starting in 2020, increasing to 10 percent in 2025 and remaining flat through 2030.
- Further reduce VMT through continued implementation of SB 375 and regional Sustainable Communities Strategies; forthcoming statewide implementation of SB 743; and potential additional VMT reduction strategies not specified in the Mobile Source Strategy but included in the document "Potential VMT Reduction Strategies for Discussion."

The alternatives in the Scoping Plan are designed to consider various combinations of these programs, as well as consideration of a carbon tax in the event the Cap-and-Trade regulation is not continued. However, in July 2017, the California Legislature voted to extend the Cap-and-Trade regulation to 2030.

The 2017 Scoping Plan discusses the role of local governments in meeting the State's GHG reductions goals because local governments have jurisdiction and land use authority related to: community-scale planning and permitting processes, local codes and actions, outreach and education programs, and municipal operations.[29] Furthermore, local governments may have the ability to incentivize renewable energy, energy efficiency, and water efficiency measures.[30]

27 CARB, *2017 Update*, November 2017, p. 6
28 CARB, *2017 Update*, November 2017
29 CARB, *2017 Update*, November 2017, p.97.
30 CARB, *2017 Update*, November 2017, p.97.

For individual projects under CEQA, the 2017 Scoping Plan states that local governments can support climate action when considering discretionary approvals and entitlements. According to the 2017 Scoping Plan, lead agencies have the discretion to develop evidence-based numeric thresholds consistent with the Scoping Plan, the State's long-term goals, and climate change science.[31]

The City of Los Angeles has not developed per capita targets for 2030 or 2050; however, the City recognizes that GHG emissions reductions are necessary in the public and private sectors. The City has taken the initiative in combating climate change by developing programs such as the Green New Deal and Green Building Code. Each of these programs is discussed further below.

A summary of the GHG emissions reductions required under HSC Division 25.5 is provided in Table 3 *Estimated Statewide Greenhouse Gas Emissions Reductions Required by HSC Division 25.5*.

Table 3. Estimated Statewide Greenhouse Gas Emissions Reductions Required by HSC Division 25.5

Emissions Scenario	GHG Emissions ($MMTCO_2E$)
2008 Scoping Plan (IPCC SAR)	
2020 BAU Forecast (CARB 2008 Scoping Plan Estimate)	596
2020 Emissions Target Set by AB 32 (i.e., 1990 level)	427
Reduction below Business-As-Usual necessary to achieve 1990 levels by 2020	169 (28.4%) [a]
2014 Scoping Plan Update (IPCC AR4)	
2020 BAU Forecast (CARB 2014 Scoping Plan Estimate)	509.4
2020 Emissions Target Set by AB 32 (i.e., 1990 level)	431
Reduction below Business-As-Usual necessary to achieve 1990 levels by 2020	78.4 (15.4%) [b]
2017 Scoping Plan Update	
2030 BAU Forecast ("Reference Scenario" which includes 2020 GHG reduction policies and programs)	389
2030 Emissions Target Set by HSC Division 25.5 (i.e., 40% below 1990 Level)	260
Reduction below Business-As-Usual Necessary to Achieve 40% below 1990 Level by 2030	129 (33.2%) [c]

Source: CARB, *Final Supplement to the AB 32 Scoping Plan Functional Equivalent Document (FED)*, Attachment D, August 19, 2011; CARB, *2020 Business-as-Usual (BAU) Emissions Projection*, 2014 Edition, 2017, http://www.arb.ca.gov/cc/inventory/data/bau.htm. Accessed October 2017; CARB, *California's 2017 Climate Change Scoping Plan*, November 2017.
Notes:
$MMTCO_2e$ = million metric tons of carbon dioxide equivalents
[a] 596 – 427 = 169 / 596 = 28.4%
[b] 509.4 – 431 = 78.4 / 509.4 = 15.4%
[c] 389 – 260 = 129 / 389 = 33.2%

Under the Scoping Plan Scenario, continuation of the Cap-and-Trade regulation (or carbon tax) is expected to cover approximately 34 to 79 $MMTCO_2$ of the 2030 reduction obligation.[32] The State's short-lived climate pollutants strategy, which is for GHGs that remain in the atmosphere for shorter periods of time compared to longer-lived GHGs like CO_2, is expected to cover approximately 17 to 35 $MMTCO_2e$. The Renewables Portfolio Standard with 50

[31] CARB, *2017 Update*, November 2017, p.100.
[32] CARB, California's 2017 Climate Change Scoping Plan, Appendix G, November 2017.

percent renewable electricity by 2030 is expected to cover approximately 3 $MMTCO_2$. The mobile source strategy and sustainable freight action plan includes maintaining the existing vehicle GHG emissions standards, increasing the number of zero emission vehicles and improving the freight system efficiency, and is expected to cover approximately 11 to 13 $MMTCO_2$. Under the Scoping Plan Scenario, CARB expects that the reduction in GHGs from doubling of the energy efficiency savings in natural gas and electricity end uses in the CEC 2015 Integrated Energy Policy Report by 2030 would cover approximately 7 to 9 $MMTCO_2$ of the 2030 reduction obligation. The other strategies would be expected to cover the remaining 2030 reduction obligations.

2022 Update to Climate Change Scoping Plan

The Final 2022 Scoping Plan for Achieving Carbon Neutrality (2022 Scoping Plan) was issued on November 16, 2022, and approved on December 15, 2022.[33] The 2022 Scoping Plan lays out a path not just to carbon neutrality by 2045 but also to the 2030 GHG emissions reduction target. The 2022 Scoping Plan analyzes four scenarios, with the objective of informing the most viable path to remain on track to achieve the 2030 GHG reduction target. The scenario modeling indicates that if the plan is fully implemented on schedule, the State would achieve the following: 85% reduction in GHG emissions below 1990 levels, 71% reduction in smog-forming air pollution, 94% reduction in fossil fuel consumption, and, creation of 4 million new jobs, among other benefits.

The 2022 Scoping Plan details "Local Actions" in Appendix D.[34] The Local Actions section includes recommendations intended to build momentum for local government actions that align with the State's climate goals, with a focus on local GHG reduction strategies (commonly referred to as climate action planning) and approval of new land use development projects, including through environmental review under CEQA. The recommendations provided in Appendix D are non-binding and provide evidence-based analytical tools to assist local governments with their role as essential partners in achieving California's climate goals.[35] Appendix D recognizes consistency with a CEQA-qualified GHG reduction plan such as a Climate Action Plan as a preferred option for evaluating potential GHG emission impacts under CEQA. Absent a qualified GHG reduction plan, Appendix D provides recommendations for key attributes that residential and mixed-use projects should achieve that would align with the State's climate goals including electric vehicle (EV) charging infrastructure, infill location, no loss or conversion of natural and working lands, transit-supportive densities or proximity to transit stops, reducing parking requirements, provision of affordable housing, and all-electric appliances with no natural gas connection. Appendix D states that projects that achieve all key attributes are considered clearly consistent with the State's climate and housing goals and would have a less-than-significant GHG impact under CEQA. However, projects that do not achieve all attributes are not necessarily considered to result in a potentially significant GHG emission impact. Additional potential threshold options identified when a CEQA-qualified GHG reduction plan is not available included a net-zero threshold and use of air district recommended thresholds of significance.

[33] CARB. Press Release, "California releases final proposal for world-leading climate action plan that drastically reduces fossil fuel dependence, slashes pollution." November 16, 2022. https://ww2.arb.ca.gov/news/california-releases-final-2022-climate-scoping-plan-proposal/printable/print

[34] CARB. California Air Resources Board 2022 Scoping Plan—Appendix D, Local Actions. November 2022. Accessed January 2023. https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf

[35] The threshold approaches outlined in the 2022 Scoping Plan, Appendix D, are recommendations only and are not requirements; they do not supplant lead agencies' discretion to develop their own evidence-based approaches for determining whether a project would have a potentially significant impact on GHG emissions.

Cap-and-Trade Program

The Climate Change Scoping Plan identifies a Cap-and-Trade Program as one of the strategies California would employ to reduce GHG emissions. CARB asserts that this program will help put California on the path to meet its goal of ultimately achieving an 80 percent reduction from 1990 levels by 2050. Under Cap-and-Trade, an overall limit on GHG emissions from capped sectors is established and facilities subject to the cap will be able to trade permits to emit GHGs.

CARB designed and adopted a California Cap-and-Trade Program[36] pursuant to its authority under AB 32. The Cap-and-Trade Program is designed to reduce GHG emissions from public and private major sources (deemed "covered entities") by setting a firm cap on Statewide GHG emissions and employing market mechanisms to achieve the State's emission-reduction mandates. The Statewide cap for GHG emissions from the capped sectors[37] (e.g., electricity generation, petroleum refining, and cement production) commenced in 2013 and will decline over time, achieving GHG emission reductions throughout the Program's duration.

Under the Cap-and-Trade Program, CARB issues allowances equal to the total amount of allowable emissions over a given compliance period and distributes these to regulated entities. Covered entities that emit more than 25,000 $MTCO_2e$ per year must comply with the Cap-and-Trade Program.[38] Triggering of the 25,000 $MTCO_2e$ per year "inclusion threshold" is measured against a subset of emissions reported and verified under the California Regulation for the Mandatory Reporting of Greenhouse Gas Emissions (Mandatory Reporting Rule or "MRR").[39]

Each covered entity with a compliance obligation is required to surrender "compliance instruments"[40] for each $MTCO_2e$ of GHG they emit. Covered entities are allocated free allowances in whole or part (if eligible), and can buy allowances at auction, purchase allowances from others, or purchase offset credits.

The Cap-and-Trade Regulation provides a firm cap, ensuring that the Statewide emission limits will not be exceeded. In sum, the Cap-and-Trade Program will achieve aggregate, rather than site-specific or project-level, GHG emissions reductions. Also, due to the regulatory framework adopted by CARB in AB 32, the reductions attributed to the Cap-and-Trade Program can change over time depending on the state's emissions forecasts and the effectiveness of direct regulatory measures.

The Cap-and-Trade Program covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported.[41] Accordingly, for projects that are subject to the CEQA, GHG emissions from electricity consumption are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period.[42]

The Program applies to emissions that cover approximately 80 percent of the State's GHG emissions. Demonstrating the efficacy of AB 32 policies, California achieved its 2020 GHG Reduction Target four years earlier

36 California Code of Regulations 17, Section 95800 to 96023.
37 California Code of Regulations 17, Section 95811, 95812.
38 California Code of Regulations 17, Section 95812.
39 California Code of Regulations 17, Section 95100-95158.
40 Compliance instruments are permits to emit, the majority of which will be "allowances," but entities also are allowed to use CARB-approved offset credits to meet up to 8% of their compliance obligations.
41 California Code of Regulations 17, Section 95811(b).
42 California Code of Regulations 17, Section 95811, 95812(d).

than mandated. The largest reductions were the result of increased renewable electricity in the electricity sector, which is a covered sector in the Cap-and-Trade Program.

AB 398 was enacted in 2017 to extend and clarify the role of the State's Cap-and-Trade Program through December 31, 2030. As part of AB 398, refinements were made to the Cap-and-Trade program to establish updated protocols and allocation of proceeds to reduce GHG emissions.

Energy-Related (Stationary) Sources

Emission Performance Standards

SB 1368, signed September 29, 2006, is a companion bill to AB 32, which requires the CPUC and the CEC to establish GHG emission performance standards for the generation of electricity. These standards also generally apply to power that is generated outside of California and imported into the State. SB 1368 provides a mechanism for reducing the emissions of electricity providers, thereby assisting CARB to meet its mandate under AB 32.

Renewables Portfolio Standard

SB 1078 (Chapter 516, Statutes of 2002) required retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20 percent of their supply from renewable sources by 2017 as a Renewables Portfolio Standard (RPS). Subsequent amendments provided additional targets throughout the years. Most recently, on October 7, 2015, SB 350 (Chapter 547, Statues of 2015), also known as the Clean Energy and Pollution Reduction Act, further increased the RPS to 50 percent by 2030. The legislation also included interim targets of 40 percent by 2024 and 45 percent by 2027. SB 350 also requires the state to double statewide energy efficiency savings in electricity and natural gas end uses by 2030. The 2017 Climate Change Scoping Plan incorporated the SB 350 standards and estimated the GHG reductions would account for approximately 21 percent of the Scoping Plan reductions.[43] On September 10, 2018, SB 100, provided additional RPS targets of 44 percent by 2024, 52 percent by 2027, and 60 percent by 2030, and that CARB should plan for 100 percent eligible renewable energy resources and zero-carbon resources by 2045.[44]

Mobile Sources

Pavley Standards

AB 1493 (Chapter 200, Statutes of 2002), enacted on July 22, 2002, required CARB to set GHG emission standards for passenger vehicles, light duty trucks, and other vehicles whose primary use is non-commercial personal transportation manufactured in and after 2009. In 2004, CARB approved the Pavley regulation to require automakers to control greenhouse gas emissions from new passenger vehicles for the 2009 through 2016 model years. Upon adoption of subsequent federal greenhouse gas standards by the United States Environmental Protection Agency (U.S. EPA) that preserved the benefits of the Pavley regulations, the Pavley regulations were revised to accept compliance with the federal standards as compliance with California's standards in the 2012 through 2016 model years. This is referred to as the "deemed to comply" option.

In January 2012, CARB approved greenhouse gas emission regulations which require further reductions in passenger greenhouse gas emissions for 2017 and subsequent vehicle model years. As noted above, in August

43 CARB, *California's 2017 Climate Change Scoping Plan*, Table 3, p. 31, November 2017. Calculated as: (108 – 53) / 260 = 21 percent.
44 California Legislative Information, SB-100 California Renewables Portfolio Standard Program: Emissions of Greenhouse Gases.

2012, the USEPA and USDOT adopted GHG emission standards for model year 2017 through 2025 vehicles.[45] On November 15, 2012, CARB approved an amendment that allows manufacturers to comply with the 2017-2025 national standards to meet State law. Automobile manufacturers generally comply with these standards through a combination of improved energy efficiency in vehicle equipment (e.g., air conditioning systems) and engines as well as sleeker aerodynamics, use of strong but lightweight materials, and lower-rolling resistance tires.[46]

In 2018, the USEPA proposed the Safer Affordable Fuel-Efficient Vehicles Rule (SAFE) which would roll back fuel economy standards and revoke California's waiver. The rule amended certain average fuel economy and GHG standards for passenger cars covering model years 2021 through 2026. On March 30, 2020, the SAFE Rule was finalized and published in the Federal Register, commencing a review period. Subsequent legal challenges from a coalition of states, including California, and private industry groups were issued. In August 2021, USEPA proposed to revise and strengthen the emissions standards for passenger cars and light trucks for model years 2023-2026.

On September 27, 2019, the USEPA withdrew the waiver it had previously provided to California for the State's GHG and ZEV programs under Section 209 of the Clean Air Act.[47] The withdrawal of the waiver was effective November 26, 2019. In response, several states including California filed a lawsuit challenging the withdrawal of the EPA waiver.[48] In April 2021, the USEPA announced it will move to reconsider its previous withdrawal and grant California permission to set more stringent climate requirements for cars and SUVs.[49]

California Low Carbon Fuel Standard

Executive Order S-01-07 was enacted on January 18, 2007. The order mandates the following: (1) that a Statewide goal be established to reduce the carbon intensity of California's transportation fuels by at least 10 percent by 2020; and (2) that a LCFS for transportation fuels be established in California. The final regulation was approved by the Office of Administrative Law and filed with the Secretary of State on January 12, 2010; the LCFS became effective on the same day. In September 2015, CARB approved the re-adoption of the LCFS, which became effective on January 1, 2016, to address procedural deficiencies in the way the original regulation was adopted.[50]

The development of the 2017 Scoping Plan Update has identified LCFS as a regulatory measure to reduce GHG emission to meet the 2030 emissions target. In September 2018, the standards were amended by CARB to require a 20 percent reduction in carbon intensity by 2030, aligning with California's 2030 targets set by SB 32.[51]

45 United States Environmental Protection Agency, 2012.
46 CARB, California's Advanced Clean Cars Midterm Review, pp. ES-17, C-9.
47 84 FR 51310.
48 United States District Court for the District Court of Columbia, *State of California vs. Chao*, Case 1:19-cv-02826, 2019.
49 United States Federal Register, *California State Motor Vehicle Pollution Control Standards; Advanced Clean Car Program; Reconsideration of a Previous Withdrawal of a Waiver of Preemption; Opportunity for Public Hearing and Public Comment (Document Number: 2021-08826),* April 28, 2021.
50 CARB, *Low Carbon Fuel Standard - About*, https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard/about. Accessed September 24, 2021.
51 CARB, *CARB Amends Low Carbon Fuel Standard for wider impact*, 2018, https://ww2.arb.ca.gov/index.php/news/carb-amends-low-carbon-fuel-standard-wider-impact. Accessed September 24, 2021.

Advanced Clean Cars Regulations

In 2012, CARB approved the Advanced Clean Cars program, an emissions-control program for model years 2015–2025.[52] The components of the Advanced Clean Cars program include the Low-Emission Vehicle (LEV) regulations that reduce criteria pollutants and GHG emissions from light- and medium-duty vehicles, and the Zero-Emission Vehicle (ZEV) regulation, which requires manufacturers to produce an increasing number of pure ZEVs (meaning battery electric and fuel cell electric vehicles), with provisions to also produce plug-in hybrid electric vehicles (PHEV) in the 2018 through 2025 model years.[53] During the March 2017 Midterm Review, CARB voted unanimously to continue with the vehicle GHG emission standards and the ZEV program for cars and light trucks sold in California through 2025.[54] Effective November 26, 2019, the federal SAFE Vehicles Rule Part One: One National Program withdrew the California waiver for the GHG and ZEV programs under section 209 of the Clean Air Act, which revokes California's authority to implement the Advanced Clean Cars and ZEV mandates. In response, several states including California filed a lawsuit challenging the withdrawal of the EPA waiver.[55] In April 2021, the USEPA announced it will move to reconsider its previous withdrawal of the waiver.[56]

In addition, Governor Gavin Newsom signed an executive order (Executive Order No. N-79-20) on September 23, 2020 that would phase out sales of new gas-powered passenger cars by 2035 in California with an additional 10-year transition period for heavy vehicles. The state would not restrict used car sales, nor forbid residents from owning gas-powered vehicles. In accordance with the Executive Order, CARB is developing a 2020 Mobile Source Strategy, a comprehensive analysis that presents scenarios for possible strategies to reduce the carbon, toxic and unhealthy pollution from cars, trucks, equipment, and ships. The strategies will provide important information for numerous regulations and incentive programs going forward by conveying what is necessary to address the aggressive emission reduction requirements.

The primary mechanism for achieving the ZEV target for passenger cars and light trucks is CARB's Advanced Clean Cars II (ACC II) Program, with an effective date of November 30, 2022. The ACC II regulations focus on post-2025 model year light-duty vehicles, as requirements are already in place for new vehicles through the 2025 model year.

Sustainable Communities and Climate Protection Act (SB 375)

The Sustainable Communities and Climate Protection Act of 2008, or SB 375 (Chapter 728, Statutes of 2008), establishes mechanisms for the development of regional targets for reducing passenger vehicle GHG emissions, was adopted by the State on September 30, 2008. SB 375 finds that the "transportation sector is the single largest contributor of greenhouse gases of any sector."[57] Under SB 375, CARB is required, in consultation with the Metropolitan Planning Organizations, to set regional GHG reduction targets for the passenger vehicle and light-duty truck sector for 2020 and 2035. SCAG is the Metropolitan Planning Organization in which the City of Los Angeles

52 CARB, *Advanced Clean Cars Program - About*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/about, Accessed September 24, 2021.
53 CARB, *Advanced Clean Cars Program - About*, https://ww2.arb.ca.gov/our-work/programs/advanced-clean-cars-program/about, Accessed September 24, 2021.
54 CARB, News Release: *CARB finds vehicle standards are achievable and cost-effective*, ww2.arb.ca.gov/news/carb-finds-vehicle-standards-are-achievable-and-cost-effective, Accessed September 24, 2021.
55 United States District Court for the District Court of Columbia, State of California vs. Chao, Case 1:19-cv-02826, 2019.
56 United States Federal Register, *California State Motor Vehicle Pollution Control Standards; Advanced Clean Car Program; Reconsideration of a Previous Withdrawal of a Waiver of Preemption; Opportunity for Public Hearing and Public Comment (Document Number: 2021-08826),* April 28, 2021.
57 State of California, Senate Bill No. 375, September 30, 2008.

is located in. CARB set targets for 2020 and 2035 for each of the 18 metropolitan planning organization regions in 2010, and updated them in 2018.[58] In March 2018, the CARB updated the SB 375 targets for the SCAG region to require an 8 percent reduction by 2020 and a 19 percent reduction by 2035 in per capita passenger vehicle GHG emissions.[59] As discussed further below, SCAG has adopted an updated Regional Transportation Plan / Sustainable Community Strategies (RTP/SCS) subsequent to the update of the emission targets. The 2020–2045 RTP/SCS is expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[60]

Under SB 375, the target must be incorporated within that region's Regional Transportation Plan (RTP), which is used for long-term transportation planning, in a Sustainable Communities Strategy (SCS). Certain transportation planning and programming activities would then need to be consistent with the SCS; however, SB 375 expressly provides that the SCS does not regulate the use of land, and further provides that local land use plans and policies (e.g., general plans) are not required to be consistent with either the RTP or SCS.

Senate Bill 743

Governor Brown signed Senate Bill (SB) 743 in 2013, which creates a process to change the way that transportation impacts are analyzed under CEQA. Specifically, SB 743 requires the Office of Planning and Research (OPR) to amend the CEQA Guidelines to provide an alternative to level of service (LOS) methodology for evaluating transportation impacts. Particularly within areas served by transit, the required alternative criteria must "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." Measurements of transportation impacts may include "vehicle miles traveled, vehicle miles traveled per capita, automobile trip generation rates, or automobile trips generated."

Building Standards and Other Regulations

California Appliance Efficiency Regulations

The Appliance Efficiency Regulations (Title 20, Sections 1601 through 1608), adopted by the CEC, include standards for new appliances (e.g., refrigerators) and lighting, if they are sold or offered for sale in California. These standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances.

Title 24, Building Standards Code and CALGreen Code

The CEC first adopted the Energy Efficiency Standards for Residential and Nonresidential Buildings (CCR, Title 24, Part 6) in 1978 in response to a legislative mandate to reduce energy consumption in the State. Although not originally intended to reduce GHG emissions, increased energy efficiency, and reduced consumption of electricity, natural gas, and other fuels would result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically to allow for the consideration and inclusion of new energy efficiency technologies and methods.

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58 CARB, *Sustainable Communities & Climate Protection Program – About*. https://ww2.arb.ca.gov/our-work/programs/sustainable-communities-climate-protection-program/about. Accessed September 24, 2021.

59 CARB, *SB 375 Regional Greenhouse Gas Emissions Reduction Targets*, https://www.arb.ca.gov/cc/sb375/finaltargets2018.pdf. Accessed September 24, 2021.

60 SCAG, *Final 2020–2045 RTP/SCS, Chapter 0: Making Connections*, p. 5, May 7, 2020.

Part 11 of the Title 24 Building Standards is referred to as the California Green Building Standards (CALGreen) Code and was developed to help the State achieve its GHG reduction goals under HSC Division 25.5 (e.g., AB 32) by codifying standards for reducing building-related energy, water, and resource demand, which in turn reduces GHG emissions from energy, water, and resource demand. The purpose of the CALGreen Code is to "improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories: (1) Planning and design; (2) Energy efficiency; (3) Water efficiency and conservation; (4) Material conservation and resource efficiency; and (5) Environmental air quality."[61] The CALGreen Code is not intended to substitute for or be identified as meeting the certification requirements of any green building program that is not established and adopted by the California Building Standards Commission. The CALGreen Code establishes mandatory measures for new residential and non-residential buildings. Such mandatory measures include energy efficiency, water conservation, material conservation, planning and design and overall environmental quality.[62]

On May 9, 2018, the CEC adopted the 2019 Title 24 Standards, which went into effect on January 1, 2020. The 2019 standards continue to improve upon the previous (2016) Title 24 standards for new construction of, and additions and alterations to, residential and non-residential buildings.[63] The 2019 Title 24 Standards ensure that builders use the most energy efficient and energy conserving technologies and construction practices. As described in the 2019 Title 24 Standards represent "challenging but achievable design and construction practices" that represent "a major step towards meeting the Zero Net Energy (ZNE) goal." Single-family homes built with the 2019 Title 24 Standards are projected to use approximately seven percent less energy due to energy efficiency measures versus those built under the 2016 standards. Once the mandated rooftop solar electricity generation is factored in, homes built under the 2019 standards will use about 53 percent less energy than those under the 2016 standards. Nonresidential buildings are projected to use approximately 30 percent less energy due mainly to lighting upgrades.[64] Compliance with Title 24 is enforced through the building permit process.

CEQA Guidelines

In August 2007, the California State Legislature adopted Senate Bill 97 (SB 97) (Chapter 185, Statutes of 2007), requiring the Governor's Office of Planning and Research (OPR) to prepare and transmit new CEQA guidelines for the mitigation of GHG emissions or the effects of GHG emissions to the Resources Agency by July 1, 2009. In response to SB 97, the OPR adopted CEQA guidelines that became effective on March 18, 2010.

However, neither a threshold of significance nor any specific mitigation measures are included or provided in the guidelines.[65] The guidelines require a lead agency to make a good-faith effort, based on the extent possible on scientific and factual data, to describe, calculate, or estimate the amount of GHG emissions resulting from a Project. Discretion is given to the lead agency whether to: (1) use a model or methodology to quantify GHG emissions resulting from a Project, and which model or methodology to use; or (2) rely on a qualitative analysis or performance-

61 California Building Standards Commission, 2010 California Green Building Standards Code, (2010).
62 California Building Standards Commission, 2010 California Green Building Standards Code, (2010).
63 CEC, 2019 Building Energy Efficiency Standards.
64 CEC, 2019 Building Energy Efficiency Standards, Fact Sheet.
65 See 14 Cal. Code Regs. §§ 15064.7 (generally giving discretion to lead agencies to develop and publish thresholds of significance for use in the determination of the significance of environmental effects), 15064.4 (giving discretion to lead agencies to determine the significance of impacts from GHGs).

based standards. Furthermore, three factors are identified that should be considered in the evaluation of the significance of GHG emissions:

1. The extent to which a Project may increase or reduce GHG emissions as compared to the existing environmental setting;
2. Whether the Project emissions exceed a threshold of significance that the lead agency determines applies to the Project; and
3. The extent to which the Project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[66]

The administrative record for the Guidelines Amendments also clarifies "that the effects of greenhouse gas emissions are cumulative, and should be analyzed in the context of California Environmental Quality Act's requirements for cumulative impact analysis."[67]

Regional

South Coast Air Quality Management District CEQA Guidance

The City of Los Angeles is located in the South Coast Air Basin (Air Basin), which consists of Orange County, Los Angeles County (excluding the Antelope Valley portion), and the western, non-desert portions of San Bernardino and Riverside Counties, in addition to the San Gorgonio Pass area in Riverside County. The South Coast Air Quality Management District (SCAQMD) is responsible for air quality planning in the Air Basin and developing rules and regulations to bring the area into attainment of the ambient air quality standards. This is accomplished through air quality monitoring, evaluation, education, implementation of control measures to reduce emissions from stationary sources, permitting and inspection of pollution sources, enforcement of air quality regulations, and by supporting and implementing measures to reduce emissions from motor vehicles.

In 2008, SCAQMD released draft guidance regarding interim CEQA GHG significance thresholds.[68] A GHG Significance Threshold Working Group was formed to further evaluate potential GHG significance thresholds.[69] The SCAQMD proposed the use of a percent emission reduction target to determine significance for commercial/residential projects that emit greater than 3,000 $MTCO_2e$ per year. Under this proposal, commercial/residential projects that emit fewer than 3,000 $MTCO_2e$ per year would be assumed to have a less than significant impact on climate change. On December 5, 2008, the SCAQMD Governing Board adopted the staff proposal for an interim GHG significance threshold of 10,000 $MTCO_2e$ per year for stationary source/industrial projects where the SCAQMD is the lead agency. However, the SCAQMD has yet to adopt a GHG significance threshold for land use development projects (e.g., residential/commercial projects). The Working Group has been inactive since 2011, and SCAQMD has not formally adopted any GHG significance threshold for other jurisdictions.

66 14 Cal. Code Regs. § 15064.4(b).
67 Letter from Cynthia Bryant, Director of the Governor's Office of Planning and Research to Mike Chrisman, California Secretary for Natural Resources, dated April 13, 2009.
68 SCAQMD, Board Meeting, December 5, 2008, Agenda No. 31, http://www3.aqmd.gov/hb/2008/December/081231a.htm. Accessed September 24, 2021.
69 SCAQMD, *Greenhouse Gases CEQA Significance Thresholds*, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/ghg-significance-thresholds. Accessed September 24, 2021.

SCAG Regional Transportation Plan/Sustainable Communities Strategy

To implement SB 375 and reduce GHG emissions by correlating land use and transportation planning, SCAG adopted the 2020–2046 Regional Transportation Plan/Sustainable Communities Strategy (2020–2045 RTP/SCS) in October 2020. The vision for the region incorporates a range of best practices for increasing transportation choices, reducing dependence on personal automobiles, further improving air quality, and encouraging growth in walkable, mixed-use communities with ready access to transit infrastructure and employment. More and varied housing types and employment opportunities would be located in and near job centers, transit stations and walkable neighborhoods where goods and services are easily accessible via shorter trips. To support shorter trips, people would have the choice of using neighborhood bike networks, car share or micro-mobility services like shared bicycles or scooters. For longer commutes, people would have expanded regional transit services and more employer incentives to carpool or vanpool. Other longer trips would be supported by on-demand services such as microtransit, carshare, and citywide partnerships with ride hailing services. For those that choose to drive, hotspots of congestion would be less difficult to navigate due to cordon pricing and using an electric vehicle will be easier thanks to an expanded regional charging network.

The 2020–2045 RTP/SCS states that the SCAG region was home to about 18.8 million people in 2016 and currently includes approximately 6.0 million homes and 8.4 million jobs.[70] By 2045, the integrated growth forecast projects that these figures will increase by 3.7 million people, with nearly 1.6 million more homes and 1.6 million more jobs. Transit Priority Areas[71] (TPAs) will account for less than 1 percent of regional total land but are projected to accommodate 30 percent of future household growth between 2016 and 2045. The 2020–2045 RTP/SCS overall land use pattern reinforces the trend of focusing new housing and employment in the region's TPAs. TPAs are a cornerstone of land use planning best practice in the SCAG region because they concentrate roadway repair investments, leverage transit and active transportation investments, reduce regional life cycle infrastructure costs, improve accessibility, create local jobs, and have the potential to improve public health and housing affordability.

The 2020–2045 RTP/SCS is expected to reduce per capita transportation emissions by 19 percent by 2035, which is consistent with SB 375 compliance with respect to meeting the State's GHG emission reduction goals.[72] Due to fuel economy and efficiency improvements, GHG emission rates of model year 2017 vehicles have decreased by 15 to 20 percent when compared to model year 2008 and earlier vehicles. However, for purposes of SB 375 emissions reduction targets, the fuel economy improvements have been largely excluded from the reduction calculation. The SB 375 target focuses on the amount of vehicle travel per capita. As discussed above, OPR recommended that achieving 15 percent lower per capita (residential) or per employee (office) VMT than existing development is both generally achievable and is supported by evidence that connects this level of reduction to the State's emissions goals (i.e., SB 375 goal). The reductions generated by fuel economy improvements are already included as part of the State's GHG emissions reduction program and are not double counted in the SB 375 target calculation.

The RTP/SCS is updated every four years. On April 4, 2024, SCAG adopted the 2024–2050 RTP/SCS, also referred to as "Connect SoCal 2024." Connect SoCal 2024 builds on the prior RTP/SCS and identifies the following strategy

[70] 2020–2045 RTP/SCS population growth forecast methodology includes data for years 2010, 2010, 2016, and 2045.
[71] Defined by the 2020–2045 RTP/SCS as generally walkable transit villages or corridors that are within 0.5 mile of a major transit stop (rail or bus rapid transit station) with 15-minute or less service frequency during peak commute hours
[72] SCAG, *Final 2020–2045 RTP/SCS, Chapter 0: Making Connections*, p. 5, May 7, 2020.

areas to support its environmental goals: Sustainable Development, Air Quality, Clean Transportation, Natural and Agricultural Lands Preservation, and Climate Resilience.

Local

Green New Deal

The City of Los Angeles addressed the issue of global climate change in *Green LA, An Action Plan to Lead the Nation in Fighting Global Warming* ("LA Green Plan/ClimateLA") in 2007. This document outlines the goals and actions the City has established to reduce the generation and emission of GHGs from both public and private activities.

In April 2019, the *Green New Deal (Sustainable City Plan 2019)*, was released, consisting of a program of actions designed to create sustainability-based performance targets through 2050 designed to advance economic, environmental, and equity objectives.[73] L.A.'s Green New Deal is the first four-year update to the City's first Sustainable City pLAn that was released in 2015.[74] It augments, expands, and elaborates L.A.'s vision for a sustainable future and tackles the climate emergency with accelerated targets and new aggressive goals.

While not a plan adopted solely to reduce GHG emissions, within the Green New Deal, "Climate Mitigation," or reduction of GHG is one of eight explicit benefits that help define its strategies and goals. These include reducing GHG emissions through near-term outcomes:

- Reduce potable water use per capita by 22.5 percent by 2025; 25 percent by 2035; and maintain or reduce 2035 per capita water use through 2050.
- Reduce building energy use per square feet for all building types 22 percent by 2025; 34 percent by 2035; and 44 percent by 2050 (from a baseline of 68 mBTU/sq.ft in 2015).
- All new buildings will be net zero carbon by 2030 and 100 percent of buildings will be net zero carbon by 2050.
- Increase cumulative new housing unit construction to 150,000 by 2025; and 275,000 units by 2035.
- Ensure 57 percent of new housing units are built within 1,500 feet of transit by 2025; and 75 percent by 2035.
- Increase the percentage of all trips made by walking, biking, micro-mobility/matched rides, or transit to at least 35 percent by 2025, 50 percent by 2035, and maintain at least 50 percent by 2050.
- Reduce VMT per capita by at least 13 percent by 2025; 39 percent by 2035; and 45 percent by 2050.
- Increase the percentage of electric and zero emission vehicles in the city to 25 percent by 2025; 80 percent by 2035; and 100 percent by 2050.
- Increase landfill diversion rate to 90 percent by 2025; 95 percent by 2035 and 100 percent by 2050.
- Reduce municipal solid waste generation per capita by at least 15 percent by 2030, including phasing out single-use plastics by 2028 (from a baseline of 17.85 lbs. of waste generated per capita per day in 2011).
- Eliminate organic waste going to landfill by 2028.
- Reduce urban/rural temperature differential by at least 1.7 degrees by 2025; and 3 degrees by 2035.
- Ensure the proportion of Angelenos living within 1/2 mile of a park or open space is at least 65 percent by 2025; 75 percent by 2035; and 100 percent by 2050.

[73] City of Los Angeles. LA's Green New Deal, 2019.
[74] City of Los Angeles, Sustainable City pLAn, April 2015.

City of Los Angeles Green Building Code

On December 11, 2019, the Los Angeles City Council approved Ordinance No. 186,488, which amended Chapter IX of the Los Angeles Municipal Code (LAMC), referred to as the Los Angeles Green Building Code, by adding a new Article 9 to incorporate various provisions of the 2019 CALGreen Code. Projects filed on or after January 1, 2020, must comply with the provisions of the Los Angeles Green Building Code. Specific mandatory requirements and elective measures are provided for three categories: (1) low-rise residential buildings; (2) nonresidential and high-rise residential buildings; and (3) additions and alterations to nonresidential and high-rise residential buildings. Article 9, Division 5 includes mandatory measures for newly constructed nonresidential and high-rise residential buildings.

City of Los Angeles Solid Waste Programs and Ordinances

The recycling of solid waste materials also contributes to reduced energy consumption. Specifically, when products are manufactured using recycled materials, the amount of energy that would have otherwise been consumed to extract and process virgin source materials is reduced as well as disposal energy averted. In 1989, California enacted AB 939, the California Integrated Waste Management Act, which establishes a hierarchy for waste management practices such as source reduction, recycling, and environmentally safe land disposal.

The City has developed and is in the process of implementing the Solid Waste Integrated Resources Plan, also referred to as the Zero Waste Plan, whose goal is to lead the City towards being a "zero waste" City by 2030. These waste reduction plans, policies, and regulations, along with Mayoral and City Council directives, have increased the level of waste diversion for the City to 76 percent as of 2013.[75] The RENEW LA Plan, aims to achieve a zero waste goal through reducing, reusing, recycling, or converting the resources not going to disposal and achieving a diversion rate of 90 percent or more by 2025.[76] The City has also approved the Waste Hauler Permit Program (Ordinance No. 181,519, LAMC Chapter VI, Article 6, Section 66.32-66.32.5), which requires private waste haulers to obtain AB 939 Compliance Permits to transport construction and demolition waste to City-certified construction and demolition waste processors. The City's Exclusive Franchise System Ordinance (Ordinance No. 182,986), among other requirements, sets a maximum annual disposal level and diversion requirements for franchised waste haulers to promote waste diversion from landfills and support the City's zero waste goals. These programs reduce the number of trips to haul solid waste and therefore reduce the amount of petroleum-based fuels and energy used to process solid waste.

City of Los Angeles General Plan

The City does not have a General Plan Element specific to climate change and GHG emissions, and its General Plan does not have any stated goals, objectives, or policies specifically addressing climate change and GHG emissions. However, the following five goals from the City's General Plan Air Quality Element would also lead to GHG emission reductions[77]:

- Less reliance on single-occupancy vehicles with fewer commute and non-work trips;
- Efficient management of transportation facilities and system infrastructure using cost-effective system management and innovative demand-management techniques;

[75] City of Los Angeles, Department of Public Works, LA Sanitation, Recycling. https://www.lacitysan.org/san/faces/home/portal/s-lsh-wwd/s-lsh-wwd-s/s-lsh-wwd-s-r?_adf.ctrl-state=kq9mn3h5a_188. Accessed September 24, 2021.
[76] City of Los Angeles, RENEW LA, Five-Year Milestone Report, 2011.
[77] City of Los Angeles, Air Quality Element, June 1991, pages IV-1 to IV-4.

- Minimal impacts of existing land use patterns and future land use development on air quality by addressing the relationship between land use, transportation, and air quality;
- Energy efficiency through land use and transportation planning, the use of renewable resources and less-polluting fuels, and the implement of conservation measures, including passive measures, such as site orientation and tree planting; and
- Citizen awareness of the linkages between personal behavior and air pollution and participation in efforts to reduce air pollution.

City of Los Angeles Municipal Code

Chapter IX of the LAMC, Sections 99.02.202, 99.04.106.8, and 99.05.106.14, requires that all new buildings be all-electric buildings, with some exceptions. Equipment typically powered by natural gas, such as space heating, water heating, cooking appliances and clothes drying, would need to be powered by electricity for new construction. Exceptions are made for commercial restaurants, hospitals, laboratories, and research and development uses.

Traffic Study Policies and Procedures

The City of Los Angeles Department of Transportation (LADOT) has developed the City Transportation Assessment Guidelines (TAG) (July 2019, updated July 2020) to provide the public, private consultants, and City staff with standards, guidelines, objectives, and criteria to be used in the preparation of a transportation assessment. The TAG establishes the reduction of vehicle trips and VMT as the threshold for determining transportation impacts and thus is an implementing mechanism of the City's strategy to reduce land use transportation-related GHG emissions consistent with AB 32, SB 32, and SB 375.

2.3 Existing Conditions

Project Site

The Project Site is approximately 3.7 acres in size. It is made up of two parcels, one of which is currently occupied by the A-1 Trailer Park. The other parcel was formerly used as a vehicle storage lot but is now a vacant surface parking lot. The Project Site is bordered to the north by Pacific Coast Highway, to the east by an auto repair shop and a surface parking lot that is used by Kaiser Permanente, to the south by West 259th Street, which is a cul-de-sac that dead ends at the Kaiser Permanente surface parking lot, and to the west by Frampton Avenue. To the south of West 259th Street are multi-family residential buildings.

3 Project Impacts (Greenhouse Gas Emissions)

3.1 Thresholds of Significance

State CEQA Guidelines: Appendix G

In accordance with Appendix G of the CEQA Guidelines, projects would have a significant impact related to GHG emissions if a project would:

A. **Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.**
B. **Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.**

This analysis relies on the Appendix G Thresholds. State CEQA Guidelines Section 15064.4 recommends that lead agencies quantify GHG emissions of projects and consider other qualitative factors that may be used in the determination of significance:

A lead agency should consider the following factors, among others, when assessing the significance of GHG emissions on the environment:

A. The extent to which the Project may increase or reduce GHG emissions as compared to the existing environmental setting;
B. Whether the Project emissions exceed a threshold of significance that the lead agency determines applies to the Project; and
C. The extent to which the Project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions (see, e.g., Section 15183.5(b)). Such requirements must be adopted by the relevant public agency through a public review process and must reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular Project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the Project.

CEQA Guidelines Section 15064.4 does not establish a threshold of significance for GHG impacts. Per CEQA Guidelines Section 15064.7(c), lead agencies have the discretion to establish significance thresholds for their respective jurisdictions, and in establishing those thresholds, a lead agency may appropriately look to thresholds developed by other public agencies, or suggested by other experts, such as the California Air Pollution Control Officers Association or SCAQMD, as long as any threshold chosen is supported by substantial evidence. The CEQA Guidelines amendments also clarify that the effects of GHG emissions are cumulative.

Per CEQA Guidelines Section 15064(h)(3), a project's incremental contribution to a cumulative impact can be found not cumulatively considerable if the Project will comply with an approved plan or mitigation program that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area of

the Project.[78] To qualify, such a plan or program must be specified in law or adopted by the public agency with jurisdiction over the affected resources through a public review process to implement, interpret, or make specific the law enforced or administered by the public agency.[79] Examples of such programs include a "water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plans [and] plans or regulations for the reduction of greenhouse gas emissions."[80] Put another way, CEQA Guidelines Section 15064(h)(3) allows a lead agency to make a finding of non-significance for GHG emissions if a Project complies with adopted programs, plans, policies and/or other regulatory strategies to reduce GHG emissions.

In the absence of any applicable adopted numeric threshold, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b)(2) by considering whether the Project complies with applicable plans, policies, regulations and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. For this Project, as a land use development Project, the most directly applicable plans to reduce GHG emissions are the following:

- CARB Climate Change Scoping Plan, AB 32, Executive Order S-3-05, SB 32, the Los Angeles Green Building Code, and other laws and regulations
- SCAG's 2024–2050 RTP/SCS
- L.A.'s Green New Deal

In October 2008, SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold.[81] This guidance document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO2e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency.[82] This SCAQMD interim GHG significance threshold is not applicable to the Project since the Project is a residential Project, and the City is the lead agency.

3.2 Methodology

Amendments to the CEQA Guidelines were adopted to assist lead agencies in determining the significance of the impacts of GHG emissions. Consistent with existing CEQA practice, CEQA Guidelines Section 15064.4 gives lead agencies the discretion to determine whether to assess the significance of GHG emissions quantitatively or qualitatively. This section recommends certain factors be considered that may be used in the determination of significance (i.e., extent to which the Project may increase or reduce GHG emissions compared to the existing environment; whether the Project exceeds an applicable significance threshold; and extent to which the Project complies with regulations or requirements adopted to implement a statewide, regional or local plan for the reduction

78 14 CCR Section 15064(h)(3).
79 14 CCR Section 15064(h)(3).
80 14 CCR Section 15064(h)(3).
81 SCAQMD, Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, October 2008.
82 See SCAQMD Resolution No. 08-35, December 5, 2008.

or mitigation of GHGs). The CNRA has also clarified that the GHG related amendments to the CEQA Guidelines focus on the effects of GHG emissions as cumulative impacts, and that the significance of GHG emissions should, therefore, be analyzed in the context of CEQA's requirements for analyzing cumulative impacts.[83]

The City has not adopted a numerical significance threshold for assessing impacts related to GHG emissions and has not formally adopted a local plan for reducing GHG emissions. Similarly, SCAQMD, OPR, CARB, California Air Pollution Control Officers Association, or any other State or regional agency has not adopted a numerical significance threshold for assessing GHG emissions that is applicable to the Project. Since there is no applicable adopted or accepted numerical threshold of significance for GHG emissions, the methodology for evaluating the Project's impacts related to GHG emissions focuses on whether the Project would conflict with statewide, regional, and local plans adopted for the purpose of reducing and/or mitigating GHG emissions. This evaluation of plans is the basis for determining the significance of the Project's GHG-related impacts on the environment.

The analysis also calculates the amount of GHG emissions that would be attributable to the Project using recommended air quality models, as described below. The purpose of quantifying the Project's GHG emissions is to satisfy CEQA Guidelines Section 15064.4(a), which calls for a good-faith effort to describe and calculate emissions. The estimated emissions inventory is also used to determine if there would be a reduction in the Project's incremental contribution of GHG emissions as a result of compliance with regulations and requirements adopted to implement plans for the reduction or mitigation of GHG emissions.

Consistency with GHG Reduction Plans and Regulations

OPR encourages lead agencies to make use of programmatic mitigation plans and programs from which to tier when they perform individual Project analyses. Although the City does not have a programmatic mitigation plan to tier from, such as a GHG emissions reduction plan, the City has released and adopted a number of plans and regulations to help reduce GHG emissions, including L.A.'s Green New Deal and Los Angeles Green Building Code, which encourage and require applicable projects to implement energy efficiency measures. On a statewide level, the Scoping Plan[84] builds on laws and regulations to achieve AB 32, SB 32, and Executive Order S-3-05 targets. On a regional level, SCAG's 2024–2050 RTP/SCS contains measures to achieve VMT reductions required under SB 375. Thus, if the Project is found to not conflict with these plans, policies, regulations, and requirements, the Project would result in a less-than-significant impact because it would be consistent with the overarching state, regional, and local plans for GHG reduction.

A consistency analysis is provided below and describes the Project's compliance with the Climate Change Scoping Plan, AB 32, Executive Order S-3-05, SB 32, other laws and regulations that reduce GHGs, the regional 2024–2050 RTP/SCS and L.A.'s Green New Deal.

[83] See, generally, CNRA, Final Statement of Reasons for Regulatory Action, pp. 11–13, 14, and 16, December 2009; see also Letter from C. Bryant, Director of the Office of Planning and Research, to M. Chrisman, Secretary for Natural Resources, April 13, 2009.

[84] Unless otherwise specified, any discussion of the "Scoping Plan" in the impact analysis refers to the Scoping Plan approved by CARB in 2008 and the subsequent updates in 2014 and 2017.

Quantification of Emissions

In view of the above considerations, this report also quantifies the Project's total annual GHG emissions for informational purposes, taking into account the GHG emission reduction features that would be incorporated into the Project's design (described below).

The California Climate Action Registry General Reporting Protocol (General Reporting Protocol) provides basic procedures and guidelines for calculating and reporting GHG emissions from a number of general and industry-specific activities.[85] The General Reporting Protocol is based on the "Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard" developed by the World Business Council for Sustainable Development and the World Resources Institute through "a multi-stakeholder effort to develop a standardized approach to the voluntary reporting of GHG emissions."[86] Although no numerical thresholds of significance have been developed, and no specific protocols are available for land use projects, the General Reporting Protocol provides a basic framework for calculating and reporting GHG emissions from the Project. The information provided in this section is consistent with the General Reporting Protocol's reporting requirements.

The General Reporting Protocol recommends the separation of GHG emissions into three categories that reflect different aspects of ownership or control over emissions. They include the following:

- **Scope 1:** Direct, on-site combustion of fossil fuels (e.g., natural gas, propane, gasoline, and diesel)
- **Scope 2:** Indirect, off-site emissions associated with purchased electricity or purchased steam
- **Scope 3:** Indirect emissions associated with other emissions sources, such as third-party vehicles and embodied energy (e.g., energy used to convey, treat, and distribute water and wastewater)[87]

The General Reporting Protocol provides a range of basic calculations methods. However, the General Reporting Protocol calculations are typically designed for existing buildings or facilities. These retrospective calculation methods are not directly applicable to planning and development situations where buildings do not yet exist.

CARB recommends consideration of indirect emissions to provide a more complete picture of the GHG footprint of a facility. For example, CARB has proposed requiring the calculation of direct and indirect GHG emissions as part of the AB 32 reporting requirements. Additionally, OPR has noted that lead agencies "should make a good-faith effort, based on available information, to calculate, model, or estimate… GHG emissions from a Project, including the emissions associated with vehicular traffic, energy consumption, water usage and construction activities."[88] Therefore, direct and indirect emissions have been calculated for the Project.

A fundamental difficulty in the analysis of GHG emissions is the global nature of the existing and cumulative future conditions. Changes in GHG emissions can be difficult to attribute to a particular planning program or Project because the planning effort or Project may cause a shift in the locale for some type of GHG emissions, rather than causing "new"

85 California Climate Action Registry, General Reporting Protocol Version 3.1, January 2009.
86 California Climate Action Registry, General Reporting Protocol Version 3.1, January 2009.
87 Embodied energy is a scientific term that refers to the quantity of energy required to manufacture and supply to the point of use a product, material, or service.
88 OPR, Technical Advisory—CEQA and Climate Change: Addressing Climate Change through California Environmental Quality Act (CEQA) Review, June 19, 2008.

GHG emissions. As a result, there is a lack of clarity as to whether a Project's GHG emissions represent a net global increase, reduction, or no change to GHGs that would exist if the Project were not implemented.

GHG emissions are estimated using CalEEMod, which is a statewide land use emissions computer model designed to provide a uniform platform for government agencies, land use planners, and environmental professionals to quantify potential criteria pollutant and GHG emissions associated with both construction and operations from a variety of land use projects. CalEEMod was developed in collaboration with the air districts of California. Data (e.g., emission factors, trip lengths, meteorology, source inventory) have been provided by the various California air districts to account for local requirements and conditions. The model is considered to be an accurate and comprehensive tool for quantifying air quality and GHG impacts from land use projects throughout California.

Construction

Emissions from Project construction activities were estimated using CalEEMod Version 2022.1. Construction of the Project would result in GHG emissions primarily associated with use of off-road construction equipment, on-road haul and vendor (material delivery) trucks, and worker vehicles. The calculations of the emissions generated during Project construction activities reflect the types and quantities of construction equipment that would be used to remove the existing structures and surface parking lots, excavate and grade the building sites, and construct the proposed buildings and related improvements. In accordance with the SCAQMD's guidance, GHG emissions from construction were amortized (i.e., averaged) over the lifetime of the Project. SCAQMD defines the lifetime of a Project as 30 years.[89] Therefore, in accordance with SCAQMD's guidance, total construction GHG emissions were divided by 30 to determine an annual construction emissions estimate and to ensure the construction emissions are evaluated in a quantitative sense with operations. All details for construction criteria air pollutants discussed in Section 3, Air Quality, of this report are also applicable for the estimation of construction-related GHG emissions. As such, see Section 3 for a discussion of construction emissions calculation methodology and assumptions.

Operation

Operation of the Project would result in GHG emissions from area sources (landscape maintenance equipment), energy sources (electrical generation and natural gas combustion), mobile sources (vehicular traffic), water supply, and solid waste. CalEEMod was used to calculate the potential GHG emissions generated by operation of the Project. These sources of GHG emissions are detailed below.

Vehicular Traffic

The Project would generate GHG emissions through the vehicular traffic generated by the Project. On-road vehicle GHG emissions were quantified based on the estimated annual VMT for the Project and existing traffic, which is derived using CalEEMod default trip lengths and based on the Project and existing land use trip rates from the Transportation Impact Study (TIS) prepared for the Project.

Regulatory measures related to mobile sources include AB 1493 and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the State. In addition, NHTSA and USEPA have established corporate fuel economy standards and GHG emission standards, respectively,

89 SCAQMD, Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, October 2008.

for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) would gradually reduce emissions from the Project's motor vehicles. The effectiveness of fuel economy improvements was evaluated by using the CalEEMod emission factors for motor vehicles.

Area Sources

In addition to estimating mobile source emissions, CalEEMod was also used to estimate GHG emissions from the Project's area sources, which include landscaping equipment. CalEEMod default assumptions for area sources were included in the modeling for all uses.

Energy Sources

The estimation of operational energy emissions was based on CalEEMod land use defaults and units or total area (i.e., square footage) of the proposed Project's land uses and existing land uses to be demolished. The energy use (electricity or natural gas usage per square foot per year) from residential land uses is calculated in CalEEMod based on the Residential Appliance Saturation Study and the energy use from nonresidential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Emissions are calculated by multiplying the energy use by the utility carbon intensity (pounds of GHGs per kilowatt-hour for electricity or 1,000 British thermal units for natural gas) for CO_2 and other GHGs. Annual electricity emissions were estimated in CalEEMod using the emissions factors for Southern California Edison, which would be the energy provider for the proposed Project.

Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the proposed Project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the proposed Project requires the use of electricity for conveyance and treatment, along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using default values in CalEEMod.

Solid Waste

The proposed Project would generate solid waste, and therefore, result in CO2e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste for the proposed Project.

3.3 Project Design Features

The Project would be constructed to incorporate environmentally sustainable building features and construction protocols required by the Los Angeles Green Building Code and CALGreen, which would reduce energy use, water use, waste generation, and associated GHG emissions.

3.4 Project Emissions

Quantification of GHG Emissions

The Project's potential impacts with regard to climate change are evaluated in this report solely on consistency with the GHG emission reduction plans. The Project's GHG emissions were also calculated and are presented below for informational purposes only. These emissions were not compared to a numeric threshold, as there are no applicable adopted or accepted numeric thresholds.

Construction Emissions

GHG emissions associated with Project-generated construction activities were quantified using the CalEEMod Version 2020.4.2. On-site sources of GHG emissions include off-road equipment, and off-site sources include hauling and vendor (delivery) trucks and worker vehicles. CalEEMod default values were used where detailed Project information was not available. Additional details regarding these calculations are provided in Appendix A. SCAQMD has not proposed or adopted quantitative GHG thresholds for construction-generated emissions. As explained previously, SCAQMD recommends that, "construction emissions be amortized over a 30-year Project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies."[90] Thus, the total construction GHG emissions were calculated, amortized over 30 years, and added to the total operational emissions. Table 4 presents construction emissions for the Project beginning in 2024 with completion by 2025 from on-site and off-site emission sources.

Table 4. Estimated Annual Construction GHG Emissions

Construction Year	MT CO_2	MT CH_4	MT N_2O	Refrigerants	MT CO_2e
2024	977	0.04	0.04	1.04	990
2025	598	0.03	0.02	0.55	604
Total	**1,575**	**0.07**	**0.06**	**1.59**	**1,594**
				Amortized Emissions	**53.13**

Notes: See Appendix A for detailed results.
MT = metric tons; CO_2 = carbon dioxide; CH_4 = methane; N_2O = nitrous oxide; CO_2e = carbon dioxide equivalent.

As shown in Table 4, the estimated total GHG emissions during Project construction would be approximately 1,594 MT CO2e, which equates to about 53 MT CO2e when amortized over 30 years.

Operations Emissions

Following the completion of construction activities, the Project would generate GHG emissions from mobile sources (i.e., on-road vehicular traffic), energy sources, area sources (i.e., landscaping equipment), water and wastewater conveyance and treatment, and solid waste (i.e., decomposition). Existing land uses to be demolished also include these sources (i.e., mobile, energy, area, water and wastewater conveyance and treatment, and solid waste sources), which were modeled in order to determine the baseline GHG emissions and net increase in emissions associated with the Project development, based on incremental demolition of existing uses and construction of new

[90] SCAQMD, Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold, October 2008.

uses. Table 5 presents the operational GHG emission results, complete details of the emissions calculations are provided in Appendix A.

Table 5. Estimated Operational GHG Emissions

Emissions Source	MT CO_2/year	MT CH_4/year	MT N_2O/year	Refrigerants	MT CO_2e/year
Existing Baseline[1]					
Area	9.25	<0.01	<0.01	--	9.26
Energy	121.00	0.01	<0.01	--	122
Mobile	224.00	0.01	0.01	0.34	228
Solid waste	2.76	0.28	0.00	--	9.67
Water supply and wastewater	3.83	0.05	<0.01	--	5.48
Refrigerants	--	--	--	0.06	0.06
Total	**360.84**	**0.35**	**0.01**	**0.40**	**374.41**
Project[2]					
Area	82.9	<0.01	<0.01	--	83.00
Energy	906	0.07	0.01	--	910.00
Mobile	1,523	0.08	0.07	2.28	1,547.00
Solid waste	32.40	3.23	0.00	--	113.00
Water supply and wastewater	35.70	0.47	0.01	--	51.00
Refrigerants	--	--	--	0.76	0.76
Total	**2,529**	**3.85**	**0.08**	**3.04**	**2,704.76**
Amortized Construction Emissions					**53.11**
Net (Project+ Construction minus Existing Baseline)	**2,168.16**	**3.50**	**0.07**		**2,382.66**

Notes: See Appendix A for detailed results.
Totals may not sum due to rounding. Values in parentheses represent negative numbers.
MT = metric tons; CO2 = carbon dioxide; CH4 = methane; N2O = nitrous oxide; CO2e = carbon dioxide equivalent; GHG = greenhouse gas

In summary, as shown in Table 5, the net change in GHG emissions attributable to the Project, including amortized construction emissions, would be an approximate increase of 2,382.66 MT CO2e per year.

3.5 Analysis of Project Impacts

As described above in the Consistency with GHG Reduction Plans and Policies section, in the absence of any adopted numeric threshold, the significance of the Project's GHG emissions is evaluated consistent with CEQA Guidelines Section 15064.4(b) by considering whether the Project conflicts with applicable plans, policies, regulations, and requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions. Since the Project is a land use development Project, the most directly applicable adopted regulatory plan to reduce GHG emissions is SCAG's 2024–2050 RTP/SCS, which is designed to achieve

regional GHG reductions from the land use and transportation sectors as required by SB 375 and California's long-term climate goals.

CEQA Guidelines Section 15183.5(b) specifies that a plan for reduction of GHG emissions should:

1. Quantify GHG emissions, both existing and projected over a specified time period, resulting from activities within a defined geographic area.
2. Establish a level, based on substantial evidence, below which the contribution to GHG emissions from activities covered by the plan would not be cumulatively considerable.
3. Identify and analyze the GHG emissions resulting from specific actions or categories of actions anticipated within the geographic area.
4. Specify measures or a group of measures, including performance standards that substantial evidence demonstrates, if implemented on a Project-by-Project basis, would collectively achieve the specified emissions level.
5. Monitor the plan's progress.
6. Adopt the GHG Reduction Strategy in a public process following environmental review.

The 2024–2050 RTP/SCS (SoCal 2024) is a qualified plan for reduction of GHGs because it meets CEQA Guidelines, Section 15183.5(b) listed above by: (1) quantifying all primary sectors of GHG emissions with the SCAG region; (2) including a per-capita reduction target from automobiles and light trucks of at least 8 percent below 2005 per-capita emissions levels by 2020 and 19 percent below 2005 per-capita emissions levels by 2035, which is designed to achieve regional GHG reductions from the land use and transportation sectors as required by SB 375. The Project is within the SCAG region; therefore, determining if the Project does not conflict with the 2024–2050 RTP/SCS (together with implemental local plans) is the applicable plan for addressing impact significance.

Additionally, this analysis also considers potential conflict with the CARB 2022 Climate Change Scoping Plan, AB 32, Executive Order S-3-05, SB 32, the Los Angeles Green Building Code, L.A.'s Green New Deal, and other laws and regulations that reduce GHGs.

CARB Climate Change Scoping Plan, AB 32, Executive Order S-3-05, SB 32, the Los Angeles Green Building Code, and Other Laws and Regulations

The Scoping Plan provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. Under the Scoping Plan, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-GWP GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., LCFS), among others. The Scoping Plan builds on a wide array of regulatory requirements that have been promulgated to reduce statewide GHG emissions. While these regulatory requirements are not targeted at specific land use development projects, they would indirectly reduce a development project's GHG emissions. A discussion of these regulatory requirements that would reduce the Project's GHG emissions are provided below. Notably, because GHG regulations continue to expand under California's climate leadership efforts, the discussion below presents a snapshot of these GHG laws and regulations. Since additional GHG reduction laws and regulations are likely to apply, and listed plans and

regulations are likely to continue to evolve, the scope of GHG regulations applicable to GHG-emissions related to the Project is anticipated to expand over time and result in lower-than-predicted GHG emissions. The following regulations and programs are not targeted at specific land use development projects; however, each is discussed based on potential indirect consequences on Project GHG emissions.

- **SB 100 (California RPS Program).** SB 100 established that 44 percent of the total electricity sold to retail customers in California per year by December 31, 2024, 52 percent by December 31, 2027, and 60 percent by December 31, 2030, be secured from qualifying renewable energy sources. SB 100 states that it is the policy of the State that eligible renewable energy resources and zero-carbon resources supply 100 percent of the retail sales of electricity to California by December 31, 2045. While this regulation does not directly apply to individual projects, the Project complies with the RPS program since its electricity would be provided by LADWP, which is required to comply with the RPS requirements. Thus, the Project would be supplied with electricity via renewable sources at increasing rates over time, thereby reducing the Project's electricity-related GHG emissions.
- **Cap-and-Trade Program.** The Climate Change Scoping Plan identifies a Cap-and-Trade Program as a key strategy CARB will employ to help California meet its GHG reduction targets for 2020 and 2030, and ultimately achieve an 80-percent reduction from 1990 levels by 2050. Pursuant to its authority under AB 32, CARB has designed and adopted a California Cap-and-Trade Program to reduce GHG emissions from major sources (deemed "covered entities") by setting a firm cap on Statewide GHG emissions and employing market mechanisms to achieve AB 32's emission reduction mandate of returning to 1990 levels of emissions by 2020. The first phase of the Cap-and-Trade regulation included electricity generated in and imported into California, large combustion sources (i.e., generally those emitting more than 25,000 MT CO_2e per year), and certain industrial sectors. The second phase added providers of transportation fuels (and thus transportation-related GHG emissions) and other combustion fuels (e.g., natural gas, propane) to the Cap-and-Trade Program. The regulation requires that emissions generated by these facilities and combustion of fuels be reduced over time under a declining "cap." The Cap-and-Trade regulation provides a firm cap, ensuring that the 2020 statewide emission limit will not be exceeded. An inherent feature of the Cap-and-Trade Program is that it does not guarantee GHG emissions reductions in any discrete location or by any particular source. Rather, GHG emissions reductions are only guaranteed on an accumulative basis. While the Cap-and-Trade Program does not directly apply to individual projects, the Project would comply with the Program inasmuch as the Project's electricity usage, transportation fuel use, and natural gas use would be covered by the Cap-and-Trade Program, resulting in a reduction of GHG emissions from the Project's energy consumption.
- **AB 1493 (Pavley Regulations).** The State's Pavley Regulations apply to new passenger vehicles from model year 2012 through 2016 (Phase I) and model years 2017–2025 (Phase II). Before these regulations could go into effect, USEPA had to grant California a waiver under the federal Clean Air Act, which ordinarily preempts state regulation of motor vehicle emission standards. While this action does not apply to individual projects, future residents, employees and visitors to the Project Site would purchase new vehicles in compliance with this regulation, which would generate reduced emissions of GHGs. However, as previously noted, the vehicle emissions standards beyond model year 2020 may not occur if the Federal SAFE Vehicles Rules and the One National Program on Federal Preemption of State Fuel Economy Standards are upheld by the courts.
- **Advanced Clean Cars Program.** This program combines the control of smog- and soot-causing pollutants and GHG emissions into a single coordinated package. The package includes elements to reduce smog-forming

pollution, reduce GHG emissions, promote clean cars (including ZEV and plug-in hybrid EVs), and provide the fuels for clean cars. Although this program does not directly apply to individual projects, the standards would apply to the vehicles purchased by employees and visitors of the Project. Notably, pursuant to the Los Angeles Green Building Code and CALGreen standards, the Project will be required to include at least 30 percent of the total code required parking spaces be EV spaces, with 10 percent of the total code required parking spaces to have EV chargers installed. As such, the Project would support this regulation. However, as detailed previously, USEPA and NHTSA published the SAFE Vehicles Rule, which revokes California's authority to set its own GHG emissions standards and set ZEV mandates in California. Since California and 22 other states, as well as the District of Columbia and four cities, filed suit against the USEPA and a petition for reconsideration of the rule, the effect of the SAFE Rule on the Advanced Clean Cars program is still to be determined pending the ruling of ongoing litigation. Nevertheless, the Project would be required to comply with state and local standards for the number of EV parking spaces provided on site.

- **Low-Carbon Fuel Standard.** The LCFS calls for a 10-percent reduction in the "carbon intensity" of motor vehicle fuels by 2020, as well as at least an 18-percent reduction by 2030. Although this regulation does not directly apply to individual projects, future employees and visitors to the Project Site would utilize transportation fuels in compliance with this regulation, which would reduce emissions of GHGs.
- **SB 375.** This regulation addresses GHG emissions associated with the transportation sector through regional transportation and sustainability plans. Under SB 375, CARB is required, in consultation with the MPOs, to set regional GHG reduction targets for the passenger vehicle and light-duty truck sector for 2020 and 2035. Although this regulation does not apply to individual projects, projects that are consistent with the smart growth principles and VMT reduction goals in the development plan for the Region (i.e., SCAG's 2020–2045 RTP/SCS) would not conflict with the GHG reduction targets of SB 375. As described below , the Project would be consistent with SCAG's 2024–2050 RTP/SCS and would, therefore, support the regional GHG reduction targets of SB 375.
- **CCR, Title 20.** Title 20 requires manufacturers of appliances to meet state and federal standards for energy and water efficiency and applies to new appliances and lighting that are sold in California. This regulation does not apply to individual projects, the Project would comply with this regulation since the Project would install only appliances and lighting that meet the State standards for such equipment.

The Project's consistency with key GHG-reducing laws and regulations that are directly applicable to the Project, including Title 24, Part 6 (Building Energy Efficiency Standards), Title 24, Part 4 (CALGreen Code), and the Los Angeles Green Building Code is described as follows.

- **CCR, Title 24, Part 6 – Building Energy Efficiency.** Part 6 of Title 24 specifically established Building Energy Efficiency Standards that are designed to ensure new and existing buildings in California conserve energy. The Project would be compliant with the requirements of CCR, Title 24, Part 6 as Project buildings would be designed and constructed to incorporate environmentally sustainable design features equivalent to achieve LEED certification.
- **California Code of Regulations (CCR), Title 24, Part 11 – CALGreen.** CALGreen establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design of sustainable site development, energy efficiency, reducing VMT from fossil fueled vehicles, water conservation, and material conservation. The Project would comply with CALGreen standards.

- **Los Angeles Green Building Code.** Chapter IX, Article 9 of the LAMC incorporates provisions of the 2019 CALGreen Code and establishes minimum mandatory standards as well as voluntary standards pertaining to the planning and design, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and environmental quality. The Project would comply with CALGreen standards and would be designed and constructed to incorporate environmentally sustainable design features equivalent to achieve LEED certification, which would also apply to the Project's consistency with the Los Angeles Green Building Code.
- **City of Los Angeles Municipal Code.** Chapter IX of the LAMC, Sections 99.02.202, 99.04.106.8, and 99.05.106.14, requires that all new buildings be all-electric buildings, with some exceptions. The Project would include all-electric appliances with no natural gas connection.

As detailed in the preceding discussion, the Project would implement project design features and comply with green building measures consistent with applicable laws and regulations to reduce energy use, water usage, waste generation, and VMT, thereby reducing the resulting GHG emissions caused by these activities. As a result, the Project would not conflict with these applicable regulations to reduce GHG emissions.

In addition, the Project area is in the Wilmington-Harbor City Community Plan Area which is located between the planning communities of Harbor Gateway, San Pedro, and the Port of Los Angeles, and adjacent to the cities of Torrance, Lomita, Rancho Palos Verdes, Carson, Long Beach, and an unincorporated area of Los Angeles County. The overarching goals of the Community Plan are as follows: preserving and enhancing the positive characteristics of existing residential neighborhoods while providing a variety of compatible new housing opportunities; improving the function, design, and economic vitality of the commercial corridors and industrial areas; maximizing the development opportunities around the future transit system while minimizing any adverse impacts; and planning the remaining commercial and industrial development opportunity sites for needed job producing uses that improve the economic and physical condition of the Community Plan Area.

The proposed Project would both further the overarching goals of the Community Plan and would not conflict with the City's implementation of these goals. The Project would provide new housing opportunities that would be compatible with multi-family residential neighborhoods to the south while incorporating commercial uses that would be compatible with uses to the north, east, and west and that would provide a community-serving commercial use in walking distance of proposed residences and existing nearby residences. The Project would also improve the economic vitality of the Project area by redeveloping an underutilized site with higher density residential uses and community-serving commercial business.

The Project would also be required to comply with the City's Transportation Demand Management Ordinance. The Los Angeles City Planning and Los Angeles Department of Transportation are working to update the City's Transportation Demand Management (TDM) Program to meet transportation demand in a sustainable way. The proposed update would require certain new development projects to implement strategies such as supporting transit, telecommuting, walking, carshare, neighborhood shuttles, and other strategies that reduce vehicle trips.

The TDM program update has three overarching goals. First, the program seeks to reduce greenhouse gas emissions by reducing the amount of vehicle miles traveled (VMT) generated by automobiles. Second, the program presents an updated and expanded set of TDM strategies, including telecommuting and bike share, to allow developers to take advantage of the latest mobility technologies and use strategies that suit their specific Project. Lastly, the program will focus on expanding access to the transportation network through investments in bike and pedestrian infrastructure.

The updated TDM program can lead to improved quality of life by making efficient use of the City's mobility network and can improve public health by enabling active transportation choices like biking and walking.

Consistency with CARB's 2022 Scoping Plan, AB 1279

The 2022 Scoping Plan reflects the 2030 target of a 40% reduction below 1990 levels codified by SB 32, and the 2045 target of carbon neutrality initially established by EO B-55-18 and codified under AB 1279, as detailed in Section 2.1, above. Many of the measures and programs included in the Scoping Plan would result in the reduction of project-related GHG emissions with no action required at the project-level, including GHG emission reductions through increased energy efficiency and renewable energy production (SB 350), reduction in carbon intensity of transportation fuels (LCFS), and the accelerated efficiency and electrification of the statewide vehicle fleet (Mobile Source Strategy). As detailed above, absent a qualified GHG reduction plan, Appendix D of the CARB Scoping Plan provides recommendations for key attributes that residential and mixed-use projects should achieve that would align with the State's climate goals while accommodating housing growth.[91] The Project's consistency with the applicable attributes under three priority areas – transportation electrification, VMT reduction, and building decarbonization – are discussed as follows.

Regarding transportation electrification, the Project would provide EV charging infrastructure that meets the California Green Building Standards Code. To support the goals of VMT reduction, the Project is a transit-oriented residential and mixed-use development located on an infill site that is surrounded by urban uses and is presently served by existing utilities and essential public services, including transit, streets, water, and sewer. The Project site is currently developed, and thus, development of the Project would not result in the loss or conversion of the State's natural and working lands. The Project would not result in a loss of affordable units and would provide new affordable units and residential uses to a site. Additionally, the Project would provide 96 dwelling units per acre, which exceeds the suggested minimum of 20 residential dwelling units per acre as detailed in the 2022 Scoping Plan.

The Project Site is well-located to facilitate pedestrian activity, bicycle use, and public transit use. The Metro Silver Line station is located approximately 1 mile to the east at South Figueroa Street. In addition, there are also numerous bus stops located near the Project Site, less than 0.5 miles away, along Pacific Coast Highway. Peak period head times range from 15 to 60 minutes (15 minutes LA Metro #15, 30 minutes LA Metro #205 and #246, 60 minutes Torrance #2). The Project is situated within walking distance of retail, medical facilities, restaurant, and other commercial businesses located along Pacific Coast Highway. Bus transit service in the Project area is provided by Metro and the Los Angeles Department of Transportation (DASH and Commuter Express transit services). The Project's proximity to the Metro Silver Line and a variety of bus stops would facilitate use of transit to access the Project Site. In addition, the Project would also be required to comply with the City's Transportation Demand Management Ordinance.

To meet the building decarbonization attributes, the Project would include all-electric appliances with no natural gas connection.

Overall, the Project would comply will all regulations adopted in furtherance of the Scoping Plan to the extent applicable and required by law. As demonstrated above, the proposed Project would not conflict with CARB's 2022

[91] CARB. California Air Resources Board 2022 Scoping Plan—Appendix D, Local Actions. November 2022. Accessed January 2023. https://ww2.arb.ca.gov/sites/default/files/2022-11/2022-sp-appendix-d-local-actions.pdf

Scoping Plan updates and with the state's ability to achieve the GHG reduction and carbon neutrality goals. Further, the Project's consistency with the applicable measures and programs from the 2022 Scoping Plan Update would assist in meeting the City's contribution to GHG emission reduction targets in California. Based on the considerations previously outlined, the Project would not conflict with CARB's 2022 Scoping Plan, AB 1279, and EO B-55-18.

Consistency with the SCAG 2024-2050 RTP/SCS

SCAG's Connect SoCal is a regional growth-management strategy that targets per capita GHG reduction from passenger vehicles and light-duty trucks in the Southern California region. The Connect SoCal incorporates local land use projections and circulation networks in city and county general plans. Typically, a Project would be consistent with the RTP/SCS if the Project does not exceed the underlying growth assumptions within the RTP/SCS.

The following policies and strategies are intended to be supportive of implementing the 2024–2050 RTP/SCS and reducing GHGs: Sustainable Development, Air Quality, Clean Transportation, Natural and Agricultural Lands Preservation, and Climate Resilience.

- **Sustainable Development.** The 2024–2050 RTP/SCS identifies sustainable development, including water and energy-efficient building practices and green infrastructure, as a strategy to reduce GHG emissions. As described herein, targeted sustainable design strategies of the Project include electrifying all buildings and including electric vehicle charging infrastructure. The Project would be designed and constructed to incorporate solar energy features as required by Title 24 CALGreen standards. The Project would be designed and constructed to incorporate water conservation features based on implementation of CALGreen standards. The Project's sustainable features would support 2024–2050 RTP/SCS objective of sustainable development.
- **Air Quality.** The 2024–2050 RTP/SCS identifies air quality as an environmental strategy because the transportation sector is the predominant source of criteria air pollutant emissions in the region. The 2024–2050 RTP/SCS states that a comprehensive and coordinated regional solution with integrated land use and transportation planning from all levels of governments will be required to achieve the needed emission reductions (SCAG 2024). The Project would be required to comply with the City's Transportation Demand Management Ordinance. The Los Angeles City Planning and Los Angeles Department of Transportation are working to update the City's Transportation Demand Management (TDM) Program to meet transportation demand in a sustainable way. The proposed update would require certain new development projects to implement strategies such as supporting transit, telecommuting, walking, carshare, neighborhood shuttles, and other strategies that reduce vehicle trips. The TDM program update has three overarching goals. First, the program seeks to reduce greenhouse gas emissions by reducing the amount of vehicle miles traveled (VMT) generated by automobiles. Second, the program presents an updated and expanded set of TDM strategies, including telecommuting and bike share, to allow developers to take advantage of the latest mobility technologies and use strategies that suit their specific Project. Lastly, the program will focus on expanding access to the transportation network through investments in bike and pedestrian infrastructure. The updated TDM program can lead to improved quality of life by making efficient use of the City's mobility network and can improve public health by enabling active transportation choices like biking and walking. The Project's mixed-use supports the 2024–2050 RTP/SCS objective of integrated land use. Overall, the Project supports the 2024–2050 RTP/SCS aim to improve air quality throughout the region though

sustainable local and regional land use planning and implementation efforts, which can reduce transportation-related criteria air pollutant emissions on a per capita basis.

- **Clean Transportation.** The 2024–2050 RTP/SCS identifies EV charging infrastructure, adoption of zero-emission vehicles, and clean transit as ways to reduce GHG emissions from mobile sources. As described herein, the Project would provide EV charging infrastructure that meets the California Green Building Standards Code and supports the 2024–2050 RTP/SCS objective of clean transportation.
- **Natural and Agricultural Lands Preservation.** The 2024–2050 RTP/SCS promotes the conservation and restoration of natural and agricultural lands through several policies, such as quantifying the carbon sequestration potential of natural and agricultural lands and prioritizing sensitive habitat and wildlife corridors for permanent protection. The Project Site is approximately 3.5 net acres in size. It is made up of two parcels, one of which is currently occupied by the A-1 Trailer Park. The other parcel was formerly used as a vehicle storage lot but is now a vacant surface parking lot. The Project Site is bordered to the north by Pacific Coast Highway, to the east by an auto repair shop and a surface parking lot that is used by Kaiser Permanente, to the south by West 259th Street, which is a cul-de-sac that dead ends at the Kaiser Permanente surface parking lot, and to the west by Frampton Avenue. To the south of West 259th Street are multi-family residential buildings. Therefore, the Project would not convert natural and working lands or interfere with this strategy.
- **Climate Resilience.** The 2024–2050 RTP/SCS promotes regional coordination and solutions for effective emergency response for climate-related hazards. Additionally, in the category of climate resilience, SCAG has established the following policies: prioritize the most vulnerable populations and communities subject to climate hazards, support local and regional climate and hazard planning, support nature-based solutions to increase regional resilience, promote sustainable water use planning, and support an integrated planning approach to help jurisdictions meet housing needs in a drier environment. While the Project does not directly pertain to these regional coordination efforts for climate resilience, the Project would not interfere with this strategy.

Based on the analysis above, the Project would not conflict with the SCAG 2024–2050 RTP/SCS.

Consistency with the City of Los Angeles Green New Deal - Sustainable City pLAn

In addition, the Project would comply with L.A.'s Green New Deal, which is designed to move the City to a carbon neutral future. Several targets would have indirect GHG reduction benefits for the Project, including the following:

- LADWP will supply 55 percent renewable energy by 2025, 80 percent by 2036, and 100 percent by 2045: This is a Citywide goal of increasing proportion of renewable resources in the LADWP energy mix. Since LADWP is the electrical utility for the Project, the increase in renewable energy mix for LADWP would result in reduced GHG emissions associated with the Project's electricity use.
- Source 70 percent of L.A.'s water locally and capture 150,000 acre-feet per year of stormwater by 2035: Although this is a Citywide goal of increasing the proportion of locally sourced water and stormwater capture, the Project would include stormwater infiltration and reuse and would help the City move towards this stormwater capture goal.

The following discussion provides an overview of the GHG-reduction strategies applicable to the Project, as well as the Project's consistency with the strategies.

- **Renewable Energy. Increase cumulative megawatts (MW) by 2025; 2035; and 2050 of:**
  - **Local solar to 900-1,500 MW; 1,500-1,800 MW; and 1,950 MW Energy**
  - **Energy storage capacity to 1,654-1,750 MW; 3,000 MW; and 4,000 MW**
  - **Demand response (DR) programs to 234 MW (2025) and 600 MW (2035)**

The Project would be compliant as the Project would be designed and constructed to incorporate solar energy features as required by Title 24 CALGreen standards.

- **Local Water. Reduce potable water use per capita by 22.5 percent by 2025; and 25 percent by 2035; and maintain or reduce 2035 per capita water use through 2050.** The Project would be compliant as the Project buildings would be designed and constructed to incorporate water conservation features based on implementation of CALGreen standards and design features equivalent to achieve LEED certification.
- **Clean and Healthy Building. All new buildings will be net zero carbon by 2030; and 100 percent of buildings will be net zero carbon by 2050.** The Project would be compliant as the Project would be required to be constructed in compliance with State and local green building standards in effect at the time of building construction, including the City's Green Building Code, Title 24, and other increasingly stringent programs
- **Clean and Healthy Building. Reduce building energy use per square foot for all building types 22 percent by 2025; 34 percent by 2035; and 44 percent by 2050.** The Project would comply with the State's and City's requirements that are designed to reduce GHG emissions over time, including the LA Green Building Code, Title 24, and other increasingly stringent energy conservation programs. The Project buildings would be designed and constructed to incorporate environmentally sustainable design features equivalent to achieve LEED certification.
- **Mobility and Public Transit. Increase the percentage of all trips made by walking, biking, micro-mobility/matched rides or transit to at least 35 percent by 2025; 50 percent by 2035; and maintain at least 50 percent by 2050.** The Project would be compliant as the Project Site is located near major transportation corridors and is well-located to facilitate pedestrian activity, bicycle use, and public transit use. Regarding transit specifically, the Project's close proximity a variety of bus stops would facilitate use of transit to access the Project Site.
- **Mobility and Public Transit. Reduce VMT per capita by at least 13 percent by 2025; 39 percent by 2035; and 45 percent by 2050.** The project would be compliant, see discussion directly above, as well as the VMT evaluation for the Project.
- **Zero Emission Vehicles. Increase the percentage of electric and zero emission vehicles in the City to 25 percent by 2025; 80 percent by 2035; and 100 percent by 2050.** The Project would support the use of electric vehicles through the provision of EV parking spaces and charging stations consistent with the CALGreen requirements for Electric Vehicle infrastructure.
- **Waste & Resource Recovery.**
  - **Increase landfill diversion rate to 90 percent by 2025; 95 percent by 2035; and 100 percent by 2050**
  - **Eliminate organic waste going to landfill by 2028**
  - **Increase proportion of waste products and recyclables productively reused and/or repurposed within L.A. County to at least 25 percent by 2025; and 50 percent by 2035**

During both construction and operation, the Project would comply with all State regulations related to solid waste generation, storage, and disposal, including the California Integrated Waste Management Act as amended, as such the Project would be compliant.

As demonstrated above, the Project would not conflict with any of the GHG targets set forth in L.A.'s Green New Deal. Thus, the Project is consistent with this plan.

4 Conclusion

As described herein, the Project's GHG emissions (both on- and off-site) are regulated by many GHG reduction mandates. Compliance with these GHG reduction legal requirements is appropriately assumed to occur under CEQA (Oakland Heritage Alliance v. City of Oakland (2011) 195 Cal. App. 4th 884, 906; Center for Biological Diversity v. Department of Fish & Wildlife (2015) 234 Cal. App. 4th 214, 244–45). Based on the above considerations, the Project would not conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing GHG emissions, and the Project's GHG contribution would be less than significant.

Attachment A

Greenhouse Gas Modeling Data

PCH Mixed Use v2 Detailed Report

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1.1. Basic Project Information

Data Field	Value
Project Name	PCH Mixed Use v2
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Apartments Mid Rise	354	Dwelling Unit	1.92	300,095	7,323	—	1,048	—
High Turnover (Sit Down Restaurant)	1.50	1000sqft	0.03	1,500	0.00	—	—	—

Enclosed Parking with Elevator	575	Space	0.86	230,000	0.00	—	—	—
Other Non-Asphalt Surfaces	90.7	1000sqft	0.43	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	20.5	1000sqft	0.47	0.00	0.00	—	—	—
Health Club	13.6	1000sqft	0.31	13,605	0.00	—	—	—
Recreational Swimming Pool	0.94	1000sqft	0.02	945	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Transportation	T-1	Increase Residential Density

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.39	16.4	26.2	79.2	0.05	1.00	9.25	10.2	0.92	3.72	4.51	—	15,039	15,039	0.62	0.42	40.0	15,220
Mit.	6.39	16.4	26.2	79.2	0.05	1.00	9.25	10.2	0.92	2.17	3.09	—	15,039	15,039	0.62	0.42	40.0	15,220
% Reduced	—	—	—	—	—	—	—	—	—	42%	31%	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	6.36	15.5	29.3	71.1	0.05	1.10	9.25	10.2	1.02	3.72	4.51	—	14,523	14,523	0.63	0.54	1.04	14,670
Mit.	6.36	15.5	29.3	71.1	0.05	1.10	9.25	10.2	1.02	2.17	3.09	—	14,523	14,523	0.63	0.54	1.04	14,670
% Reduced	—	—	—	—	—	—	—	—	—	42%	31%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.62	7.00	13.1	28.5	0.02	0.50	4.39	4.89	0.46	1.20	1.66	—	5,902	5,902	0.26	0.21	6.31	5,978
Mit.	2.62	7.00	13.1	28.5	0.02	0.50	3.77	4.27	0.46	0.95	1.41	—	5,902	5,902	0.26	0.21	6.31	5,978
% Reduced	—	—	—	—	—	—	14%	13%	—	21%	15%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.48	1.28	2.39	5.21	< 0.005	0.09	0.80	0.89	0.08	0.22	0.30	—	977	977	0.04	0.04	1.04	990
Mit.	0.48	1.28	2.39	5.21	< 0.005	0.09	0.69	0.78	0.08	0.17	0.26	—	977	977	0.04	0.04	1.04	990
% Reduced	—	—	—	—	—	—	14%	13%	—	21%	15%	—	—	—	—	—	—	—
Exceeds (Daily Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Exceeds (Average Daily)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Threshold	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mit.	Yes	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.39	5.56	26.2	79.2	0.05	1.00	9.25	10.2	0.92	3.72	4.51	—	15,039	15,039	0.62	0.42	40.0	15,220
2025	3.42	16.4	19.1	38.5	0.04	0.75	4.60	5.04	0.69	1.08	1.48	—	7,338	7,338	0.31	0.20	18.0	7,423
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.36	5.51	29.3	71.1	0.05	1.10	9.25	10.2	1.02	3.72	4.51	—	14,523	14,523	0.63	0.54	1.04	14,670
2025	3.01	15.5	12.5	33.7	0.03	0.46	4.60	5.04	0.42	1.08	1.48	—	7,085	7,085	0.31	0.21	0.47	7,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.62	2.24	13.1	28.5	0.02	0.50	4.39	4.89	0.46	1.20	1.66	—	5,902	5,902	0.26	0.21	6.31	5,978
2025	1.61	7.00	7.81	17.9	0.02	0.28	1.93	2.22	0.26	0.45	0.71	—	3,611	3,611	0.16	0.10	3.34	3,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.48	0.41	2.39	5.21	< 0.005	0.09	0.80	0.89	0.08	0.22	0.30	—	977	977	0.04	0.04	1.04	990
2025	0.29	1.28	1.43	3.26	< 0.005	0.05	0.35	0.40	0.05	0.08	0.13	—	598	598	0.03	0.02	0.55	604

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	6.39	5.56	26.2	79.2	0.05	1.00	9.25	10.2	0.92	2.17	3.09	—	15,039	15,039	0.62	0.42	40.0	15,220
2025	3.42	16.4	19.1	38.5	0.04	0.75	4.60	5.04	0.69	1.08	1.48	—	7,338	7,338	0.31	0.20	18.0	7,423
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	6.36	5.51	29.3	71.1	0.05	1.10	9.25	10.2	1.02	2.17	3.09	—	14,523	14,523	0.63	0.54	1.04	14,670
2025	3.01	15.5	12.5	33.7	0.03	0.46	4.60	5.04	0.42	1.08	1.48	—	7,085	7,085	0.31	0.21	0.47	7,155
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	2.62	2.24	13.1	28.5	0.02	0.50	3.77	4.27	0.46	0.95	1.41	—	5,902	5,902	0.26	0.21	6.31	5,978
2025	1.61	7.00	7.81	17.9	0.02	0.28	1.93	2.22	0.26	0.45	0.71	—	3,611	3,611	0.16	0.10	3.34	3,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.48	0.41	2.39	5.21	< 0.005	0.09	0.69	0.78	0.08	0.17	0.26	—	977	977	0.04	0.04	1.04	990
2025	0.29	1.28	1.43	3.26	< 0.005	0.05	0.35	0.40	0.05	0.08	0.13	—	598	598	0.03	0.02	0.55	604

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762
Mit.	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
% Reduced	17%	10%	12%	18%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	22%	25%	15%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Mit.	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151

% Reduced	25%	13%	13%	26%	21%	4%	27%	25%	4%	27%	18%	—	15%	15%	1%	23%	6%	14%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Mit.	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321
Mit.	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705
% Reduced	20%	11%	22%	20%	26%	11%	29%	28%	10%	29%	25%	—	19%	19%	1%	23%	23%	19%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	12.2	18.2	11.6	93.7	0.18	0.60	5.16	5.76	0.60	0.92	1.52	223	26,686	26,909	23.6	0.70	53.8	27,762

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	8.34	14.6	11.8	58.2	0.18	0.58	5.16	5.74	0.57	0.92	1.49	223	25,979	26,202	23.7	0.73	5.84	27,016
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	7.06	6.40	5.30	52.2	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	12,865	12,865	0.67	0.55	19.3	13,066
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	9.81	16.2	6.89	74.0	0.14	0.21	4.69	4.90	0.21	0.84	1.04	223	19,026	19,249	23.5	0.67	23.9	20,059
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.79	2.96	1.26	13.5	0.02	0.04	0.86	0.89	0.04	0.15	0.19	37.0	3,150	3,187	3.89	0.11	3.95	3,321

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Area	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	10.1	16.3	10.1	77.3	0.14	0.58	3.75	4.33	0.58	0.67	1.25	223	22,709	22,932	23.4	0.54	40.4	23,720
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Area	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	6.28	12.7	10.2	43.1	0.14	0.55	3.75	4.31	0.55	0.67	1.22	223	22,168	22,391	23.5	0.56	5.49	23,151
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	5.11	4.63	3.80	37.5	0.09	0.06	3.35	3.41	0.06	0.60	0.65	—	9,199	9,199	0.48	0.40	13.8	9,343
Area	2.63	9.76	0.54	21.2	< 0.005	0.04	—	0.04	0.05	—	0.05	0.00	501	501	0.01	< 0.005	—	502
Energy	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	5,472	5,472	0.41	0.04	—	5,495
Water	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308

Waste	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Total	7.86	14.4	5.39	59.2	0.10	0.19	3.35	3.54	0.19	0.60	0.78	223	15,360	15,583	23.3	0.51	18.4	16,337
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547
Area	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0
Energy	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	906	906	0.07	0.01	—	910
Water	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0
Waste	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76
Total	1.43	2.64	0.98	10.8	0.02	0.03	0.61	0.65	0.03	0.11	0.14	37.0	2,543	2,580	3.86	0.08	3.04	2,705

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	5.41	5.41	—	0.82	0.82	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.36	0.36	—	0.05	0.05	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.06	0.06	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.23	2.55	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	535	535	0.02	0.02	0.06	542
Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,614	1,614	0.07	0.22	0.11	1,682
Hauling	0.13	0.03	2.20	0.81	0.01	0.02	0.44	0.47	0.02	0.12	0.14	—	1,693	1,693	0.09	0.27	0.10	1,776
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.06	36.2
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.12	111
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	0.01	0.02	0.11	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	6.00

Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.3
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.4	18.4	< 0.005	< 0.005	0.02	19.3

3.2. Demolition (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.12	2.62	24.9	21.7	0.03	1.06	—	1.06	0.98	—	0.98	—	3,425	3,425	0.14	0.03	—	3,437
Demolition	—	—	—	—	—	—	3.46	3.46	—	0.52	0.52	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.17	1.64	1.43	< 0.005	0.07	—	0.07	0.06	—	0.06	—	225	225	0.01	< 0.005	—	226
Demolition	—	—	—	—	—	—	0.23	0.23	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.30	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.3	37.3	< 0.005	< 0.005	—	37.4
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.23	2.55	0.00	0.00	0.52	0.52	0.00	0.12	0.12	—	535	535	0.02	0.02	0.06	542
Vendor	0.13	0.05	1.97	0.95	0.01	0.02	0.43	0.45	0.02	0.12	0.14	—	1,614	1,614	0.07	0.22	0.11	1,682
Hauling	0.13	0.03	2.20	0.81	0.01	0.02	0.44	0.47	0.02	0.12	0.14	—	1,693	1,693	0.09	0.27	0.10	1,776
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	35.7	35.7	< 0.005	< 0.005	0.06	36.2
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	106	106	< 0.005	0.01	0.12	111
Hauling	0.01	< 0.005	0.15	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	111	111	0.01	0.02	0.11	117
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	5.91	5.91	< 0.005	< 0.005	0.01	6.00
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	17.6	17.6	< 0.005	< 0.005	0.02	18.3
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.4	18.4	< 0.005	< 0.005	0.02	19.3

3.3. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.80	0.80	—	0.38	0.38	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2
Dust From Material Movemen	—	—	—	—	—	—	0.15	0.15	—	0.07	0.07	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	847	847	0.04	0.03	3.34	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.88	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	3.46	1,582
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	803	803	0.04	0.03	0.09	813
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.95	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	0.09	1,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.16	92.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	0.17	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.03	29.4

3.4. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.26	1.90	18.2	18.8	0.03	0.84	—	0.84	0.77	—	0.77	—	2,958	2,958	0.12	0.02	—	2,969
Dust From Material Movemen	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	2.05	2.11	< 0.005	0.09	—	0.09	0.09	—	0.09	—	332	332	0.01	< 0.005	—	333
Dust From Material Movemen	—	—	—	—	—	—	0.31	0.31	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.37	0.39	< 0.005	0.02	—	0.02	0.02	—	0.02	—	55.0	55.0	< 0.005	< 0.005	—	55.2

Dust From Material Movemen:	—	—	—	—	—	—	0.06	0.06	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.29	4.53	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	847	847	0.04	0.03	3.34	860
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.88	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	3.46	1,582
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.27	0.34	3.83	0.00	0.00	0.78	0.78	0.00	0.18	0.18	—	803	803	0.04	0.03	0.09	813
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.11	0.03	1.95	0.72	0.01	0.02	0.40	0.41	0.02	0.11	0.13	—	1,505	1,505	0.08	0.24	0.09	1,579
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.09	0.09	0.00	0.02	0.02	—	91.5	91.5	< 0.005	< 0.005	0.16	92.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.22	0.08	< 0.005	< 0.005	0.04	0.05	< 0.005	0.01	0.01	—	169	169	0.01	0.03	0.17	178
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.2	15.2	< 0.005	< 0.005	0.03	15.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.04	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	28.0	28.0	< 0.005	< 0.005	0.03	29.4

3.5. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016

Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.62	0.55	0.71	8.43	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,706	1,706	0.08	0.06	3.02	1,729
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.6	92.6	< 0.005	0.01	0.11	96.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.54	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	282	282	0.01	0.01	0.50	286
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.43	4.03	4.71	0.01	0.18	—	0.18	0.16	—	0.16	—	861	861	0.03	0.01	—	863
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.09	0.08	0.73	0.86	< 0.005	0.03	—	0.03	0.03	—	0.03	—	142	142	0.01	< 0.005	—	143
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.70	270
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.02	0.01	0.32	0.15	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	258	258	0.01	0.04	0.02	269
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.62	0.55	0.71	8.43	0.00	0.00	1.63	1.63	0.00	0.38	0.38	—	1,706	1,706	0.08	0.06	3.02	1,729
Vendor	0.01	< 0.005	0.11	0.05	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	92.6	92.6	< 0.005	0.01	0.11	96.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.13	1.54	0.00	0.00	0.30	0.30	0.00	0.07	0.07	—	282	282	0.01	0.01	0.50	286
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.3	15.3	< 0.005	< 0.005	0.02	16.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.28	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.01	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.59	7.03	0.00	0.00	1.36	1.36	0.00	0.32	0.32	—	1,423	1,423	0.06	0.05	2.52	1,443
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.04	32.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.11	1.28	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	236	236	0.01	0.01	0.42	239
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.44	1.20	11.2	13.1	0.02	0.50	—	0.50	0.46	—	0.46	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.36	3.36	3.93	0.01	0.15	—	0.15	0.14	—	0.14	—	718	718	0.03	0.01	—	720
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.61	0.72	< 0.005	0.03	—	0.03	0.03	—	0.03	—	119	119	< 0.005	< 0.005	—	119
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.67	26.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,942	4,942	0.20	0.17	19.5	5,016
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.28	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.73	1.55	1.98	22.3	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,684	4,684	0.21	0.17	0.51	4,741
Vendor	0.01	< 0.005	0.13	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	102	102	< 0.005	0.01	0.01	107
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.52	0.46	0.59	7.03	0.00	0.00	1.36	1.36	0.00	0.32	0.32	—	1,423	1,423	0.06	0.05	2.52	1,443
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	30.6	30.6	< 0.005	< 0.005	0.04	32.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.11	1.28	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	236	236	0.01	0.01	0.42	239
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.07	5.07	< 0.005	< 0.005	0.01	5.29
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.50	1.52	24.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,839	4,839	0.20	0.17	17.7	4,912
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.28	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645

Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.01	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.32	3.86	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	829	829	0.04	0.03	1.36	840
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.23	139
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.86	2.32	< 0.005	0.08	—	0.08	0.07	—	0.07	—	427	427	0.02	< 0.005	—	428
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.42	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.7	70.7	< 0.005	< 0.005	—	70.9
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.67	1.50	1.52	24.4	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,839	4,839	0.20	0.17	17.7	4,912
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.28	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.66	1.49	1.68	20.6	0.00	0.00	4.57	4.57	0.00	1.07	1.07	—	4,587	4,587	0.21	0.17	0.46	4,645
Vendor	0.01	< 0.005	0.12	0.06	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	101	101	< 0.005	0.01	0.01	105
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.29	0.26	0.32	3.86	0.00	0.00	0.81	0.81	0.00	0.19	0.19	—	829	829	0.04	0.03	1.36	840
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	17.9	17.9	< 0.005	< 0.005	0.02	18.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.06	0.70	0.00	0.00	0.15	0.15	0.00	0.03	0.03	—	137	137	0.01	< 0.005	0.23	139

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.97	2.97	< 0.005	< 0.005	< 0.005	3.10
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592
Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.12	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	669	669	0.03	0.02	1.10	678
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.09	83.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	0.01	< 0.005	0.18	112
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.12. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.35	1.13	10.4	13.0	0.02	0.43	—	0.43	0.40	—	0.40	—	2,398	2,398	0.10	0.02	—	2,406
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.56	0.47	4.38	5.47	0.01	0.18	—	0.18	0.17	—	0.17	—	1,005	1,005	0.04	0.01	—	1,009
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	1.00	< 0.005	0.03	—	0.03	0.03	—	0.03	—	166	166	0.01	< 0.005	—	167
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.52	8.35	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,659	1,659	0.07	0.06	6.07	1,684
Vendor	0.01	0.01	0.22	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.52	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.51	0.58	7.08	0.00	0.00	1.57	1.57	0.00	0.37	0.37	—	1,573	1,573	0.07	0.06	0.16	1,592

Vendor	0.01	0.01	0.23	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	190	190	0.01	0.03	0.01	199
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.24	0.21	0.26	3.12	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	669	669	0.03	0.02	1.10	678
Vendor	0.01	< 0.005	0.10	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	79.8	79.8	< 0.005	0.01	0.09	83.3
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.05	0.57	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	111	111	0.01	< 0.005	0.18	112
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.8
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Paving (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	277	277	0.01	0.01	1.01	281
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.7	31.7	< 0.005	< 0.005	0.09	33.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.02	13.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.85	0.71	6.52	8.84	0.01	0.29	—	0.29	0.26	—	0.26	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.44	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.10	0.09	0.09	1.39	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	277	277	0.01	0.01	1.01	281
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	31.7	31.7	< 0.005	< 0.005	0.09	33.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.01	0.06	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	13.1	13.1	< 0.005	< 0.005	0.02	13.3
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.56	1.56	< 0.005	< 0.005	< 0.005	1.63
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.17	2.17	< 0.005	< 0.005	< 0.005	2.20
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.26	0.26	< 0.005	< 0.005	< 0.005	0.27
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Architectural Coating (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.35	5.57	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,106	1,106	0.05	0.04	4.05	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.38	4.72	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,048	1,048	0.05	0.04	0.10	1,062
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.08	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	446	446	0.02	0.02	0.73	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.12	74.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.16. Architectural Coating (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	0.88	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	134	134	0.01	< 0.005	—	134
Architectural Coatings	—	13.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.37	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	56.0	56.0	< 0.005	< 0.005	—	56.2
Architectural Coatings	—	5.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.27	9.27	< 0.005	< 0.005	—	9.30
Architectural Coatings	—	1.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.35	5.57	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,106	1,106	0.05	0.04	4.05	1,123
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.38	0.34	0.38	4.72	0.00	0.00	1.05	1.05	0.00	0.25	0.25	—	1,048	1,048	0.05	0.04	0.10	1,062
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.17	2.08	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	446	446	0.02	0.02	0.73	452
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.38	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	73.8	73.8	< 0.005	< 0.005	0.12	74.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.97	6.32	4.74	54.7	0.13	0.08	4.69	4.77	0.08	0.84	0.91	—	13,258	13,258	0.63	0.52	44.7	13,473

High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.72	7.01	5.23	60.3	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	14,593	14,593	0.70	0.57	49.2	14,830
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	6.89	6.24	5.19	50.4	0.12	0.08	4.69	4.77	0.08	0.84	0.91	—	12,704	12,704	0.66	0.55	1.16	12,885
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	7.64	6.92	5.72	55.6	0.14	0.09	5.16	5.25	0.08	0.92	1.00	—	13,983	13,983	0.73	0.60	1.28	14,182
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	1.19	1.07	0.91	8.97	0.02	0.01	0.81	0.83	0.01	0.14	0.16	—	2,023	2,023	0.10	0.09	3.04	2,054
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.29	1.17	0.97	9.53	0.02	0.02	0.86	0.87	0.01	0.15	0.17	—	2,130	2,130	0.11	0.09	3.20	2,163

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.88	4.42	3.32	38.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	9,281	9,281	0.44	0.36	31.3	9,431
High Turnover (Sit Down Restaurant)	0.75	0.69	0.49	5.61	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,334	1,334	0.07	0.05	4.49	1,357
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.63	5.11	3.81	43.9	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,615	10,615	0.51	0.42	35.8	10,788
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	4.82	4.37	3.63	35.3	0.09	0.06	3.28	3.34	0.05	0.58	0.64	—	8,893	8,893	0.46	0.38	0.81	9,019
High Turnover (Sit Down Restaurant)	0.75	0.68	0.54	5.19	0.01	0.01	0.47	0.48	0.01	0.08	0.09	—	1,279	1,279	0.07	0.06	0.12	1,298

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	5.57	5.05	4.17	40.5	0.10	0.07	3.75	3.82	0.06	0.67	0.73	—	10,172	10,172	0.53	0.44	0.93	10,317
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.83	0.75	0.64	6.28	0.02	0.01	0.57	0.58	0.01	0.10	0.11	—	1,416	1,416	0.07	0.06	2.13	1,438
High Turnover (Sit Down Restaurant)	0.10	0.09	0.06	0.56	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	107	107	0.01	0.01	0.16	109
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	0.93	0.85	0.69	6.84	0.02	0.01	0.61	0.62	0.01	0.11	0.12	—	1,523	1,523	0.08	0.07	2.28	1,547

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250

Recreati Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	2,199	2,199	0.16	0.02	—	2,209
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	92.4	92.4	0.01	< 0.005	—	92.8
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	1,606	1,606	0.11	0.02	—	1,614
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	249	249	0.02	< 0.005	—	250
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	4,146	4,146	0.29	0.04	—	4,166
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	364	364	0.03	< 0.005	—	366

High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	15.3	15.3	< 0.005	< 0.005	—	15.4
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	—	266	266	0.02	< 0.005	—	267
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	41.3	41.3	< 0.005	< 0.005	—	41.5
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	686	686	0.05	0.01	—	690

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155

Recreational Swimming	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.10	0.05	0.89	0.38	0.01	0.07	—	0.07	0.07	—	0.07	—	1,126	1,126	0.10	< 0.005	—	1,129
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.04	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.5	45.5	< 0.005	< 0.005	—	45.7

Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	0.01	0.01	0.13	0.11	< 0.005	0.01	—	0.01	0.01	—	0.01	—	154	154	0.01	< 0.005	—	155
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.12	0.06	1.05	0.52	0.01	0.08	—	0.08	0.08	—	0.08	—	1,326	1,326	0.12	< 0.005	—	1,329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	0.02	0.01	0.16	0.07	< 0.005	0.01	—	0.01	0.01	—	0.01	—	186	186	0.02	< 0.005	—	187
High Turnover (Sit Down Restaurant)	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.54	7.54	< 0.005	< 0.005	—	7.56
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Health Club	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	25.5	25.5	< 0.005	< 0.005	—	25.6
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Total	0.02	0.01	0.19	0.09	< 0.005	0.02	—	0.02	0.02	—	0.02	—	219	219	0.02	< 0.005	—	220

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	3.78	3.54	0.28	30.8	< 0.005	0.02	—	0.02	0.03	—	0.03	—	97.7	97.7	< 0.005	< 0.005	—	98.1
Total	4.37	11.1	5.28	32.9	0.03	0.43	—	0.43	0.43	—	0.43	0.00	6,433	6,433	0.12	0.01	—	6,440

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.58	0.29	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Consumer Products	—	6.75	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.56	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.58	7.60	4.99	2.12	0.03	0.40	—	0.40	0.40	—	0.40	0.00	6,336	6,336	0.12	0.01	—	6,342
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.01	< 0.005	0.06	0.03	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	71.8	71.8	< 0.005	< 0.005	—	71.9
Consumer Products	—	1.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.47	0.44	0.04	3.85	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.1	11.1	< 0.005	< 0.005	—	11.1
Total	0.48	1.78	0.10	3.87	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	82.9	82.9	< 0.005	< 0.005	—	83.0

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20

Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments	—	—	—	—	—	—	—	—	—	—	—	25.3	171	196	2.60	0.06	—	280
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.87	5.86	6.73	0.09	< 0.005	—	9.63
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	1.54	10.4	11.9	0.16	< 0.005	—	17.0
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.11	0.72	0.83	0.01	< 0.005	—	1.18
Total	—	—	—	—	—	—	—	—	—	—	—	27.8	188	216	2.86	0.07	—	308
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	4.19	28.3	32.5	0.43	0.01	—	46.4
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	0.14	0.97	1.12	0.01	< 0.005	—	1.59
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Health Club	—	—	—	—	—	—	—	—	—	—	—	0.26	1.72	1.97	0.03	< 0.005	—	2.82
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.20
Total	—	—	—	—	—	—	—	—	—	—	—	4.60	31.1	35.7	0.47	0.01	—	51.0

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146

Recreational	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57

Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	141	0.00	141	14.1	0.00	—	494
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	9.62	0.00	9.62	0.96	0.00	—	33.7
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	41.8	0.00	41.8	4.18	0.00	—	146
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	2.90	0.00	2.90	0.29	0.00	—	10.2
Total	—	—	—	—	—	—	—	—	—	—	—	195	0.00	195	19.5	0.00	—	684

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	23.4	0.00	23.4	2.33	0.00	—	81.7
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	1.59	0.00	1.59	0.16	0.00	—	5.57
Enclosed Parking with Elevator	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Health Club	—	—	—	—	—	—	—	—	—	—	—	6.92	0.00	6.92	0.69	0.00	—	24.2
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.48	0.00	0.48	0.05	0.00	—	1.68
Total	—	—	—	—	—	—	—	—	—	—	—	32.4	0.00	32.4	3.23	0.00	—	113

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.15	2.15
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.34	2.34
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.07	0.07
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.56	4.56
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36	0.36
High Turnover (Sit Down Restaurant)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Health Club	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.76	0.76

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipme Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetatio n	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	1/1/2024	2/1/2024	5.00	24.0	—
Grading	Grading	2/3/2024	4/1/2024	5.00	41.0	—
Building Construction - Framing	Building Construction	4/2/2024	10/1/2024	5.00	131	—
Building Construction - MEP	Building Construction	8/1/2024	4/1/2025	5.00	174	—
Building Construction - Finish and Close Out	Building Construction	4/2/2025	11/1/2025	5.00	153	—
Paving	Paving	4/26/2025	5/21/2025	5.00	18.0	—
Architectural Coating	Architectural Coating	4/2/2025	11/1/2025	5.00	153	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20

Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction - Framing	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Framing	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Framing	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Framing	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Framing	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Diesel	Average	1.00	6.00	37.0	0.48
Building Construction - MEP	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - MEP	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - MEP	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - MEP	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - MEP	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction - Finish and Close Out	Cranes	Diesel	Average	1.00	7.00	367	0.29
Building Construction - Finish and Close Out	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction - Finish and Close Out	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction - Finish and Close Out	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction - Finish and Close Out	Welders	Diesel	Average	1.00	8.00	46.0	0.45

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	50.0	10.2	HHDT,MHDT
Demolition	Hauling	24.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	21.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	10.2	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	20.0	HHDT
Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	10.2	HHDT,MHDT

Building Construction - MEP	Hauling	0.00	20.0	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	10.2	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	20.0	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	40.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	50.0	10.2	HHDT,MHDT
Demolition	Hauling	24.0	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	60.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	21.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction - Framing	—	—	—	—
Building Construction - Framing	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - Framing	Vendor	8.00	10.2	HHDT,MHDT
Building Construction - Framing	Hauling	0.00	20.0	HHDT

Building Construction - Framing	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	20.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	1.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	80.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Building Construction - MEP	—	—	—	—
Building Construction - MEP	Worker	350	18.5	LDA,LDT1,LDT2
Building Construction - MEP	Vendor	3.17	10.2	HHDT,MHDT
Building Construction - MEP	Hauling	0.00	20.0	HHDT
Building Construction - MEP	Onsite truck	—	—	HHDT
Building Construction - Finish and Close Out	—	—	—	—
Building Construction - Finish and Close Out	Worker	120	18.5	LDA,LDT1,LDT2
Building Construction - Finish and Close Out	Vendor	6.00	10.2	HHDT,MHDT
Building Construction - Finish and Close Out	Hauling	0.00	20.0	HHDT
Building Construction - Finish and Close Out	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	607,692	202,564	24,343	7,740	4,602

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	5,824	—
Grading	0.00	7,000	41.0	0.00	—
Paving	0.00	0.00	0.00	0.00	1.76

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Apartments Mid Rise	—	0%
High Turnover (Sit Down Restaurant)	0.00	0%
Enclosed Parking with Elevator	0.86	100%
Other Non-Asphalt Surfaces	0.43	0%
Other Non-Asphalt Surfaces	0.47	0%
Health Club	0.00	0%

Recreational Swimming Pool	0.00	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	690	0.05	0.01
2025	0.00	690	0.05	0.01

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,926	1,738	1,448	668,200	16,839	15,198	12,660	5,842,774
High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Apartments Mid Rise	1,348	1,217	1,014	467,740	11,787	10,639	8,862	4,089,942

High Turnover (Sit Down Restaurant)	168	184	214	64,600	530	1,451	1,690	302,001
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Health Club	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	301
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	35
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
607692.375	202,564	24,343	7,740	4,602

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Apartments Mid Rise	1,162,357	690	0.0489	0.0069	3,513,577
High Turnover (Sit Down Restaurant)	48,855	690	0.0489	0.0069	142,094
Enclosed Parking with Elevator	849,029	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Other Non-Asphalt Surfaces	0.00	690	0.0489	0.0069	0.00
Health Club	131,781	690	0.0489	0.0069	480,753
Recreational Swimming Pool	0.00	690	0.0489	0.0069	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Apartments Mid Rise	13,194,925	125,525
High Turnover (Sit Down Restaurant)	455,301	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	804,642	0.00
Recreational Swimming Pool	55,890	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00

High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Apartments Mid Rise	88.4	0.00
High Turnover (Sit Down Restaurant)	17.8	0.00
Enclosed Parking with Elevator	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00
Health Club	77.5	0.00
Recreational Swimming Pool	5.39	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00

High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
High Turnover (Sit Down Restaurant)	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
High Turnover (Sit Down Restaurant)	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Health Club	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Health Club	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A

Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract

Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9
Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114
Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529

Health Outcomes	—
Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2
Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0

Children	14.8
Elderly	85.6
English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7
Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on client provided information.
Construction: Construction Phases	Based on applicant provided schedule
Construction: Architectural Coatings	Default values
Operations: Vehicle Data	Based on TIA
Operations: Hearths	No Wood Stoves and no wood fireplaces
Construction: Trips and VMT	Based on applicant provided information.

Existing Land Use

PCH Mixed Use Existing Detailed Report

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5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	PCH Mixed Use Existing
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	3.50
Precipitation (days)	16.0
Location	1268 W Pacific Coast Hwy, Harbor City, CA 90710, USA
County	Los Angeles-South Coast
City	Los Angeles
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	4630
EDFZ	16
Electric Utility	Los Angeles Department of Water & Power
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Mobile Home Park	42.0	Dwelling Unit	5.29	54,600	0.00	0.00	124	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.09	2.22	1.44	8.73	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,957	2,976	2.12	0.07	5.27	3,055
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.86	2.00	1.47	5.88	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,890	2,910	2.12	0.07	0.52	2,985
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.92	2.08	0.92	7.23	0.02	0.04	0.49	0.53	0.04	0.09	0.13	19.7	2,164	2,184	2.11	0.07	2.43	2,260
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.17	0.38	0.17	1.32	< 0.005	0.01	0.09	0.10	0.01	0.02	0.02	3.26	358	362	0.35	0.01	0.40	374

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Area	0.29	1.51	0.62	2.63	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	758	758	0.01	< 0.005	—	759
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	1.09	2.22	1.44	8.73	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,957	2,976	2.12	0.07	5.27	3,055
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Area	0.07	1.30	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	0.86	2.00	1.47	5.88	0.02	0.08	0.51	0.59	0.08	0.09	0.17	19.7	2,890	2,910	2.12	0.07	0.52	2,985
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.72	0.65	0.55	5.45	0.01	0.01	0.49	0.50	0.01	0.09	0.10	—	1,356	1,356	0.07	0.06	2.04	1,377
Area	0.16	1.41	0.06	1.65	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	55.8	55.8	< 0.005	< 0.005	—	55.9
Energy	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	733	733	0.06	< 0.005	—	735
Water	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Waste	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	0.92	2.08	0.92	7.23	0.02	0.04	0.49	0.53	0.04	0.09	0.13	19.7	2,164	2,184	2.11	0.07	2.43	2,260

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228
Area	0.03	0.26	0.01	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.25	9.25	< 0.005	< 0.005	—	9.26
Energy	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	121	121	0.01	< 0.005	—	122
Water	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48
Waste	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	0.17	0.38	0.17	1.32	< 0.005	0.01	0.09	0.10	0.01	0.02	0.02	3.26	358	362	0.35	0.01	0.40	374

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Total	0.76	0.69	0.52	5.97	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,446	1,446	0.07	0.06	4.88	1,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Total	0.75	0.68	0.57	5.49	0.01	0.01	0.51	0.52	0.01	0.09	0.10	—	1,385	1,385	0.07	0.06	0.13	1,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228
Total	0.13	0.12	0.10	1.00	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.02	—	224	224	0.01	0.01	0.34	228

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Total	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Total	—	—	—	—	—	—	—	—	—	—	—	—	337	337	0.02	< 0.005	—	339
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	55.9	55.9	< 0.005	< 0.005	—	56.1
Total	—	—	—	—	—	—	—	—	—	—	—	—	55.9	55.9	< 0.005	< 0.005	—	56.1

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Total	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Total	0.04	0.02	0.31	0.13	< 0.005	0.03	—	0.03	0.03	—	0.03	—	395	395	0.03	< 0.005	—	396
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.4	65.4	0.01	< 0.005	—	65.6
Total	0.01	< 0.005	0.06	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	65.4	65.4	0.01	< 0.005	—	65.6

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.03	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Consumer Products	—	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.22	0.21	0.02	2.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.37	6.37	< 0.005	< 0.005	—	6.39
Total	0.29	1.51	0.62	2.63	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	758	758	0.01	< 0.005	—	759
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.07	0.03	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Consumer Products	—	1.17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.09	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.07	1.30	0.59	0.25	< 0.005	0.05	—	0.05	0.05	—	0.05	0.00	752	752	0.01	< 0.005	—	752
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	8.52	8.52	< 0.005	< 0.005	—	8.53
Consumer Products	—	0.21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	0.02	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.03	0.03	< 0.005	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	0.72	0.72	< 0.005	< 0.005	—	0.72
Total	0.03	0.26	0.01	0.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	9.25	9.25	< 0.005	< 0.005	—	9.26

4.3.1. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Total	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Total	—	—	—	—	—	—	—	—	—	—	—	3.00	20.2	23.2	0.31	0.01	—	33.1
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48
Total	—	—	—	—	—	—	—	—	—	—	—	0.50	3.34	3.83	0.05	< 0.005	—	5.48

4.4.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Total	—	—	—	—	—	—	—	—	—	—	—	16.7	0.00	16.7	1.67	0.00	—	58.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67
Total	—	—	—	—	—	—	—	—	—	—	—	2.76	0.00	2.76	0.28	0.00	—	9.67

4.5.1. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39	0.39
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Mobile Home Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.06	0.06

4.6.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Mobile Home Park	210	194	178	74,131	1,836	1,693	1,557	648,209

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Mobile Home Park	—
Wood Fireplaces	0
Gas Fireplaces	36
Propane Fireplaces	0
Electric Fireplaces	0
No Fireplaces	4
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
110565	36,855	0.00	0.00	—

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Mobile Home Park	178,415	690	0.0489	0.0069	1,233,330

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Mobile Home Park	1,565,500	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Mobile Home Park	10.5	0.00

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Mobile Home Park	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Mobile Home Park	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

5.18.2.2. Mitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	5.07	annual days of extreme heat
Extreme Precipitation	4.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	1	1	1	2
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	20.8
AQ-PM	72.8
AQ-DPM	80.2
Drinking Water	42.4
Lead Risk Housing	72.2
Pesticides	0.00
Toxic Releases	97.1
Traffic	70.0
Effect Indicators	—
CleanUp Sites	51.6
Groundwater	61.9

Haz Waste Facilities/Generators	87.5
Impaired Water Bodies	83.0
Solid Waste	70.4
Sensitive Population	—
Asthma	69.5
Cardio-vascular	50.1
Low Birth Weights	58.6
Socioeconomic Factor Indicators	—
Education	81.6
Housing	74.0
Linguistic	85.1
Poverty	90.7
Unemployment	87.7

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	14.731169
Employed	75.70896959
Median HI	25.38175286
Education	—
Bachelor's or higher	24.38085461
High school enrollment	11.18952906
Preschool enrollment	28.17913512
Transportation	—
Auto Access	31.75927114

Active commuting	81.77851918
Social	—
2-parent households	45.28422944
Voting	11.24085718
Neighborhood	—
Alcohol availability	4.516874118
Park access	16.52765302
Retail density	54.21532144
Supermarket access	2.399589375
Tree canopy	22.76401899
Housing	—
Homeownership	24.16271012
Housing habitability	20.55691005
Low-inc homeowner severe housing cost burden	30.9380213
Low-inc renter severe housing cost burden	47.20903375
Uncrowded housing	9.611189529
Health Outcomes	—
Insured adults	6.967791608
Arthritis	48.2
Asthma ER Admissions	40.6
High Blood Pressure	41.6
Cancer (excluding skin)	71.8
Asthma	32.2
Coronary Heart Disease	28.5
Chronic Obstructive Pulmonary Disease	22.0
Diagnosed Diabetes	14.5
Life Expectancy at Birth	54.2

Cognitively Disabled	97.6
Physically Disabled	78.7
Heart Attack ER Admissions	29.8
Mental Health Not Good	17.8
Chronic Kidney Disease	20.1
Obesity	19.4
Pedestrian Injuries	96.9
Physical Health Not Good	13.9
Stroke	19.7
Health Risk Behaviors	—
Binge Drinking	77.5
Current Smoker	17.7
No Leisure Time for Physical Activity	14.2
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	14.8
Elderly	85.6
English Speaking	13.2
Foreign-born	87.5
Outdoor Workers	36.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	3.3
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	81.7

Other Decision Support	—
2016 Voting	2.9

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	93.0
Healthy Places Index Score for Project Location (b)	20.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on client provided information.
Construction: Construction Phases	Based on applicant provided schedule
Construction: Architectural Coatings	Default values
Operations: Vehicle Data	Default values
Operations: Hearths	No Wood Stoves and no wood fireplaces

Construction: Trips and VMT	Based on applicant provided information.
Operations: Energy Use	Existing use only
Operations: Water and Waste Water	Existing use only

Attachment C

Tree Report

ARBORGATE CONSULTING, INC.
ARBORICULTURE & HORTICULTURE

December 8, 2024

Mr. Alex Wong
Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

Subject: City of Los Angeles Tree Evaluation Report
1280 Pacific Coast Highway
Los Angeles, California 90710

Dear Mr. Wong:

Arborgate Consulting, Inc. is pleased to provide the following information regarding the results of the City of Los Angeles Tree Evaluation Report of the abovementioned address. As you know, the assessments were completed in 2022 in conformance with the scope and guidance as detailed in the ANSI A300, part 5 Best Management Practices for Managing Trees During Development and Construction: and standard tree evaluation practice.

These tree assessments included a site inspection as well as examining each tree within the size range defined by the City of Los Angeles. The tree assessment was made, conclusions stated, and recommendations outlined. Based on my review, the conclusions, findings, and recommendations of the report remains valid, and I am not aware of any new information that would alter those findings , other than normal growth or decline of the trees.

I appreciate the opportunity to provide arboricultural consulting services to you. If you have any questions concerning my report, or if I can assist you in any other related matter, please contact me at (714) 292-7184.

Respectfully submitted,

Gregory W. Applegate_____ Date 1-7-25
Registered Consulting Arborist #365
Tree Risk Assessment Qualified
Certified Arborist WE-0180a

ARBORGATE CONSULTING, INC.
Arboriculture & Horticulture
1131 Lucinda Way, Tustin, CA 92780, Ph. 714.731.6240, Cell: 714.292.7184, Fax 714.731.6138

City of Los Angeles Tree Evaluation Report

For: 1280 Pacific Coast Highway, Harbor City

Prepared for: **Mr. David Ling**
Land Studio 360
Blvd.
Tustin, CA 92780

Prepared by: **Greg Applegate, RCA #365**
Arborgate Consulting, Inc.
1131 Lucinda Way
Tustin, CA 92780
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Introduction

Project Background

Harbor City is a highly diverse neighborhood in the Harbor region of Los Angeles, California, with a population upward of 36,000 people. Originally part of the Rancho San Pedro Spanish land grant, the 2.58-square-mile Harbor City was brought into Los Angeles as a preliminary step in the larger city's consolidation with the port cities of Wilmington and San Pedro. Harbor City is flanked by Harbor Gateway to the north, West Carson and Wilmington to the east, Wilmington and San Pedro to the south and Torrance and Lomita to the west. The neighborhood's boundaries are West Sepulveda Boulevard on the north, Western Avenue and the Harbor Freeway on the east, West Anaheim Street and Palos Verdes Drive on the south and the boundary with the Cities of Lomita and Torrance on the west.

This project is necessitated by planned construction of a five-story apartment building on the property at 1280 Pacific Coast Highway, in the Harbor City district of Los Angeles. Twenty-four trees were included, both street trees and site trees. The first 13 trees appear to be street trees along Frampton Avenue, and the others are scattered around the site. The street trees are Brazil pepper, Chinese elms, and carobs. The has City’s control of street trees and where possible and practical requires their preservation and protection. However, there are no protected species on this property (i.e. native oaks, sycamore, bay, native walnut, toyon and Mexican elderberry). The 11 site trees include tree of heaven, jacaranda, Chinese weeping figs, Shamel ash, queen palm, Mexican fan palm, avocado, and Japanese privet.

Assignment

Arborgate Consulting was retained to review and provide an arboricultural evaluation of 13 street trees' and 11 site trees' health and condition, provide professional opinions, and report as appropriate. All trees in and around the site are numbered, mapped, measured and evaluated for inclusion in this report for the City of Los Angeles Urban Forestry Division's review.

Summary

The 13 street trees are in very poor to good health, but mostly very poor condition. Other than the Chinese elms, most are in fair to good health, and most could probably survive at least another five to ten years if the whole site was not to be demolished and landscaped.

Most of the street trees are carobs and elms. There are also two Brazil peppers. There is no sidewalk, but the space between the curb and the adjoining trailers is narrow and sloped. The carobs are the largest and as a result have caused the most damage to the adjoining curb. Their shallow and exposed roots are probably being damaged by car doors opening. As this progressed over time, some root decay and lower trunk decay has started, and likelihood of ultimate failure will probably increase. Their stability cannot be guaranteed, especially due to the topping, heading and lion-tailing of the upper structure for line clearance. As a result of line clearance above and vehicle clearance below, the canopies are being pancaked in between. The City street trees should have been replaced years ago, but would need to be replaced in the next few years, even if the project is not built. However, the Urban Forestry Department will make the ultimate determination.

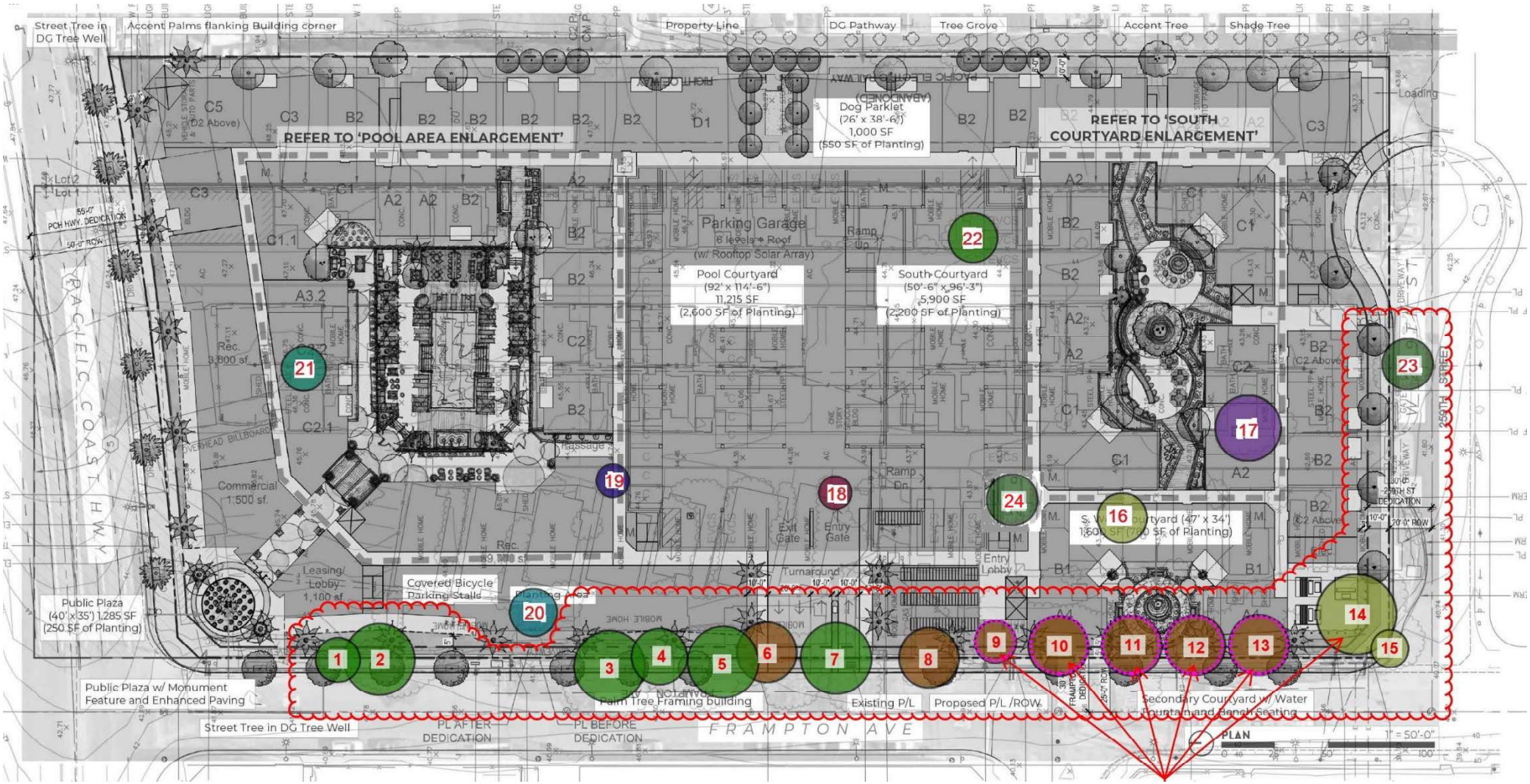
On the main site, between the trailers, there are no protected trees or shrubs, and no known historically significant or endangered tree species are involved in this project. The site trees are fairly randomly chosen by present or past residents. Maintenance of the trees has been mostly to control their size to the small spaces between trailers and lots.

Unless there were conditions of approval unknown to this consultant, removal of site trees is not expected to require replacement. Still, the project is required to plant 89 trees, one for every four dwelling units. Replacement for the removal of street trees may be required. Normally, removal of street trees requires two to one replacement. The removal recommendations of this consultant are written subject to Urban Forestry's agreement.

Purpose

The report is to satisfy the requirements of the Urban Forestry Division, specifically for the street trees, but also as evidence that there are no protected species on site. There is no way to preserve any trees on site, or even the street trees, and still construct the building according to plans. There are no trees of sufficient value or use to the project that warrant transplanting. As a result, this report provides no benefit regarding tree preservation.

Tree Map



⇦ **NORTH**

Tree numbers are in red. Locations are estimated.

Findings

General Conditions Affecting Tree Health and Condition

The street trees are two Brazil peppers, *Schinus terebinthifolius*; four carobs, *Ceratonia siliqua*; and seven Chinese elms, *Ulmus parvifolia.* Their main problems are lack of space, or too big for the space allotted. Their pruning has been somewhat crude, but the situations of inadequate space for roots, canopies, and for power lines, passing vehicles and mobile home trailers below demanded severe pruning. The raised canopies and flat tops have made them less than attractive, and resulted in structure that is more likely to fail. Two of the carobs also had decay in the lower trunk or root flare.

The most common trees on the site are Shamel ash, *Fraxinus uhdei;* and Chinese weeping banyan, *Ficus benjamina* (2 of each). There are also individual jacaranda, tree-of-heaven, Japanese privet, avocado, octopus tree, queen palm and Mexican fan palm. The other species on site are all smaller than need reporting, mostly guava and other small fruit trees. There is also a small group of star pines*, Araucaria heterophylla*, at the north end, but all are still less than 8-inch caliper.

Though both of the palms are in good health and condition and could be transplanted, they lack sufficient value to be worth the expense, and also they could be replaced easily for less cost.

The street trees have outlived their usefulness and are gradually becoming hazardous. Considering the mobile homes below, which provide less protection than a permanent structure, their risk will be assessed and addressed later in this report. Their shallow roots caused by compaction and competition have been injured by opening car doors and people walking over the exposed roots. If there were sidewalks, these trees would have been removed long ago. The Bureau of Engineering will be requiring street widening and sidewalks, which will make removal of the existing street trees inevitable. Considering that a few of the carobs have trunks over 3-feet in diameter, the community has received all the benefits from most of these street trees that can safely been provided. They have given their service easily twice the 17-year average life expectancy quoted for Los Angeles street trees by American Forest magazine.

Abbreviations in Matrix

1s = one-sided
Cod = codominant
CrS = crowded scaffold limbs
cv = cultivar
DBH = diameter at breast height
Db = dieback
DkB = decayed base
DkR = decayed roots
DkT = decayed trunk
DLS = dogleg scaffold limb
DLT = dogleg trunk
epi = epicormic shoots
FC = flush cuts
Hd = headed
Inc = included bark
Lt = lion-tailed
OP = over-pruned
S = scaffold limbs
Sh = shallow roots
Sp = sparse
T = trunk
TD = tear down
TO = tear out
Topd = topped
Xing = crossing branches

Arboricultural terms are defined in the glossary.
*Trunk diameter was measured using calipers up to 8.1 inches, or a Biltmore stick for larger sizes. Height and width were estimated.

Matrix of Individual Findings

Tree#	Species	DSH	Ht.	Can Dia	Health	Structure	Location	Comments
1	Schinus terebinthifolius	8	20'	18'	C	D	N end	DLT&S Lt
2	Schinus terebinthifolius	29+18	24'	34'	C	D	next	Cod inc, 1vy-upT, Lt topd
3	Ceratonia siliqua	48	25'	45'	B	D	E8	Rinj cod Xing Lt topd Hd
4	Ceratonia siliqua	20	25'	20'	B	D	E8	Rinj cod Xing Lt topd Hd Cr
5	Ceratonia siliqua	38	25'	42'	B	D	E9	DkT w/bees cod Lt topd Hd Cr
6	Ulmus parvifolia	20	25'	20'	D	D	E8	Binj canker topd Hd OP epi
7	Ceratonia siliqua	23+24+25	25'	54'	B	D	E9	Cod FC DkB Lt topd Hd EH
8	Ulmus parvifolia	28	25'	40'	C	D	E11	Cod epi FC topd Hd
9	Ulmus parvifolia	9" @ 2'	21'	18'	B	C	E13	LB Hd Cr-main crotch
10	Ulmus parvifolia	19" @ 2'	25'	45'	C	D	E14	Cod FC gall epi Lt topd Hd
11	Ulmus parvifolia	24	25'	45'	C	D	E15	1vy-upT, on wires, Lt topd Hd Xing
12	Ulmus parvifolia	23	21'	25'	D	D	E16	Cod Db topd Hd
13	Ulmus parvifolia	20	25'	30'	C-	D	E17	1s Db topd Hd
14	Fraxinus uhdei	37	40'	36'	B	D	E18 inside	Cod inc Dk CrS topd Xing DLS epi
15	Ailanthus altissima	22	22'	16'	D	D	E18 inside	Topd Hd
16	Fraxinus uhdei	14	18'	3'	D	D	D13	Topd Hd OP epi cod inc
17	Jacaranda mimosifolia	9+10+4	35'	34'	B	C-	C17	Cod inc, 4"T-trapped between 9&10
18	Ligustrum japonica	13 @ 2'	21'	14'	A	C-		Cod inc Xing
19	Schefflera actinifolia	11	18'	20'	B	C-	D7	Cod CrS
20	Syagrus romanzofficanus		20'TH	20'	B	A	between 2&3	Lots of seed
21	Washingtonia robusta		60'TH	14'	A	A	empty	recently trimmed up
22	Persea americana	13	24'	24'	B	C-	A15	1s Cod FC TD
23	Ficus benjamina	8+8+10	28'	28'	B	C-	C19	Cod inc epi thrips
24	Ficus benjamina	9	18'	12	A	C-	D12	Cr+A1:I25S thrips T-hidden

Botanic name/Common name Cross-reference

Botanic name	Common name	Count
Ailanthus altissima	Crape myrtle	1
Ceratonia siliqua	Carob	4
Ficus benjamina	Chinese weeping banyan	2
Fraxinus uhdei	Shamel ash	2
Jacaranda mimosifolia	Jacaranda	1
Ligustrum japonicum	Japanese privet	1
Persea americana	Avocado	1
Schefflera actinifolia	Octopus tree	1
Schinus terebinthifolius	Brazil pepper	2
Syagrus romanzoffianus	Evergreen pear	1
Ulmus parvifolia	Chinese elm	7
Washingtonia robusta	Mexican fan palm	1

Discussion

Street Tree Replacement Decisions

This is a good time to decide how to provide for better growth and longer life of new street trees in the future. With Frampton being on the west side of a four-story apartment building, and having many overhead power and communication lines, there are few good street trees that will not grow so tall that they will conflict with the wires. The plans show a very narrow space. The Bureau of Engineering will require that Frampton dedicate an additional 5-feet, which will result in widening the sidewalk 7 to 12 feet. Also, the Bureau of Engineering will require 259th Street to be widened and have a 7-foot wide sidewalk, which will eliminate tree #23. It is assumed that any new street trees will be planted in sidewalk cutouts, which can limit root space considerably. Considering the proximity of the building, a small, vertical, narrow-growing tree would be best. Many or most of the vertical trees, like Canary Island pine, Afrocarpus, and Liquidambar, get too big. *Chionanthus retusus, Laurus nobilis, Metrosideros excelsa, Podocarpus macrophylla, Tristaniopsis laurina, Pyrus calleryana 'Chanticleer', and Wodyetia bifurcata* should be considered, even though they may not be easy to acquire in larger sizes.

If they are not well chosen, the new trees will have a short life span and end up in a dump. Root barriers, *properly installed* can reduce sidewalk damage, and the need for root cutting, but they also reduce the amount of root space and shorten their useful life span.

Structural soils are too expensive for most applications. The most reasonably priced options are a combination of using well-chosen species, root channels and/or root barriers, and appropriate training and maintenance. One of the benefits of using smaller species of palms, like *Wodyetia bifurcata* or *Ptychosperma elegans*, is that they are less likely to be seriously damaged by pruning because they are self-cleaning and don't need pruning.

Ultimately the City of Los Angeles Urban Forestry Division will decide what the replacement ratio will be. The City will also specify the species of replacement trees for each street. Removal and replacement decisions are dictated by the City Urban Forestry Division. Permits must be obtained for removal of *any* City street trees.

Site Tree Replacement Decisions

The condition of the trees and the planned construction requires all the trees to be removed on site. There are no protected, rare or endangered trees on site.

Recommendations

General Recommendations

1. Remove and replace the street trees on Frampton, after obtaining permits from the City of Los Angeles Urban Forestry Division.
2. Replace the street trees removed in accord with Urban Forestry Division's requirements and replace in accord with the species designated for this specific street.
3. For the new street trees consider root barriers. Non-ribbed moisture barrier is less likely to direct roots down and under the barrier. And because it comes in rolls, there is less chance of connections failing. Also consider alternates for increasing root space as published in *Up By Roots*, by James Urban, and *Reducing Infrastructure Damage by Tree Roots*, By Costello & Jones, pg 43& 44.
4. Test and amend the soil for street trees based on an agronomic soil analysis and percolation test.
5. Remove all site trees. None are worth transplanting.
6. Observe proper safety precautions, as published in ANSI Z133, especially when working near overhead wires.

Regulatory Replacement

The Urban Forestry Division will determine replacement requirements for the street trees to be removed. However, the trees on site are mostly in poor condition and have nearly filled all the allotted root space, and most should be removed.

Risk Assessment

Risk Assessment Process

The following risk assessment is based on American National Standards Institute A300, part nine, and the Best Management Practices booklet for Risk Assessment. The attached matrices are based on the above format and standards. There are three levels of risk assessment. Level one is little more than a drive-by look for clear hazard indications. Level two involves a 360 degree examination from the ground, and covers the topics of what part is most likely to fail, what could be hit if it failed, how likely to fail is it, then how likely is the target to be hit if it failed, and then the consequences of it being struck. The following matrix leads to a conclusion of the level of risk. If there are areas of the trees structure that need further examination below ground, internally or from up in the tree, a level 3 examination would follow. Several of these trees would need sonic tomography or Resistograph testing to determine how decayed they are, and if they could be preserved in place. In this case, all the trees need to be removed for construction, so no other investigation is needed.

The main trees for concern are the street trees along Frampton, due to their large size, poor structural integrity, and an almost constant high target concern. The carobs are especially large and especially weak structurally, some known to be decayed. The pruning up for street clearance and cutting down, or topping, for line clearance have induced many structural weaknesses and caused them to grow out wider over the street and the mobile homes. Cars are parked under most of the street trees most of the day, and the mobile homes are constantly under the trees. Also consider that to some degree passing cars are also targets. The only way to keep the street trees and reduce risk to any degree would to cut them back and paint the curb red.

Even so, there will also be a continuing risk, if the street trees remain, for those who are called to prune the trees near energized conductors. As the trees get wider, pruning the tops becomes more dangerous.

Risk Assessment Analysis

The following shows and example of the analysis of tree #1. The tree is relatively small. The wind-sail is small. With cars passing and parking in the possible fall zone, there is a medium risk of impacting a target parked or passing car. Using the next matrix and using the outcome of the first matrix in the next matrix's first column cross referenced with the consequences column "minor", the risk level is found to be "low".

Likelihood of failure	**Likelihood of Impacting Target**			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Likelihood of failure and impact	**Consequences**			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Adapted from Best Management Practices, Risk Assessment, published by ISA.

Risk Assessment Matrix

The following matrix uses the above process to determine the risk of each tree.

Tree #	DBH	Structure	Target	Part most likely to fail	Likelihood of failure & impact	Consequences	Risk	Mitigation
1	8	D	Parked cars & trailers	Limbs	Unlikely	Negligble	Low	Remove tree
2	29+18	D	Parked cars & trailers	Trunks	very likely	Severe	High	Remove tree
3	48	D	Parked cars & trailers	Limbs	very likely	Severe	High	Remove tree
4	20	D	Parked cars & trailers	Limbs	very likely	Significant	High	Remove tree
5	38	D	Parked cars & trailers	Limbs	very likely	Severe	Extreme	Remove tree
6	20	D	Parked cars & trailers	Limbs	Likely	Significant	High	Remove tree
7	23+24+25	D	Parked cars & trailers	Trunks	very likely	Severe	Extreme	Remove tree
8	28	D	Parked cars & trailers	Limbs	very likely	Significant	High	Remove tree
9	9" @ 2'	C	Parked cars & trailers	Limbs	Likely	Negligble	Low	Remove tree
10	19" @ 2'	D	passing cars & trailer	Limbs	Somewhat	Significant	Moderate	Remove tree
11	24	D	passing cars & trailer	Limbs	Somewhat	Moderate	Low	Remove tree
12	23	D	Passing cars	Limbs	Unlikely	Significant	Low	Remove tree
13	20	D	Parked cars & trailers	Limbs	Likely	Significant	High	Remove tree
14	37	D	None currently	Limbs	very likely	Minor	Moderate	Remove tree
15	22	D	Passing cars	Limbs	very likely	Significant	High	Remove tree
16	14	D	Mobile home	Limbs	Somewhat	Minor	Low	Remove tree
17	9+10+4	C-	Motor home	trunk	Likely	Minor	Moderate	Remove tree
18	13 @ 2'	C-	Mobile home	Limbs	Somewhat	Negligble	Low	Remove tree
19	11	C-	Parked cars & trailers	Limbs	Somewhat	Negligble	Low	Remove tree
20	20'th	A	Mobile home	trunk	Unlikely	Significant	Low	Remove tree
21	60'th	A	None currently	trunk	Unlikely	Significant	Low	Remove tree
22	13	C-	Parked cars & trailers	Limbs	Somewhat	Significant	Moderate	Remove tree
23	8+8+10	C-	Mobile home	Limbs	Unlikely	Negligble	Low	Remove tree
24	9	C-	Mobile home	Limbs	Unlikely	Negligble	Low	Remove tree

Disclaimer

Good, current information on tree preservation has been applied. However, even when every tree is inspected, inspection involves sampling, therefore some additional areas of decay or weakness may be missed. The paving and mobile homes were in place during my inspection and I could not interpret the root conditions of many trees. Exact root conditions are incapable of being determined.

Although a level 2 tree risk assessment was requested and performed, weather, winds and the magnitude and direction of storms are not predictable and some failures may still occur despite the best application of high professional standards. Construction and future tree maintenance will also affect the trees health and stability and are not under the supervision or scrutiny of this consultant. Continuing construction activity such as grading and trenching will also affect the health and safety, but are unknown and unsupervised by this consultant. This consultant does not assume liability for any tree failures involved with this property.

Appendix

A. Resume

B. Glossary

C. Verification of Registration and Certification

D. Photographic Documentation

A. Resume

GREGORY W. APPLEGATE, ASCA, ASLA

Registered Consulting Arborist #365

PROFESSIONAL REGISTRATIONS:

American Society of Consulting Arborists RCA #365
International Society of Arboriculture, Certified Arborist Number WE-0180a
International Society of Arboriculture, Tree Risk Assessment Qualified
American Society of Consulting Arborists, Tree and Plant Appraisal Qualified

EXPERIENCE:

Mr. Applegate is an independent consulting arborist. He has been in the horticulture field since 1963, providing professional arboricultural consulting since 1984 within both private and public sectors. His expertise includes appraisal, tree preservation, diagnosis of tree growth problems, construction impact mitigation, environmental assessment, expert witness testimony, hazard evaluation, pruning programs, species selection and tree health monitoring.

Mr. Applegate has consulted for insurance companies, schools, colleges, universities, developers, theme parks, homeowners' associations, landscape architects, contractors, property managers, attorneys and governmental bodies.

Notable projects on which he has consulted are: Disneyland, Disneyland Hotel, DisneySeas-Tokyo, Disney's Wild Animal Kingdom, the New Tomorrowland, Disney's California Adventure, Disney Hong Kong project, Knott's Berry Farm, J. Paul Getty Museums, Tustin Ranch, Newport Coast, Crystal Court, Newport Fashion Island Palms, Bixby Ranch Country Club, Playa Vista, Laguna Canyon Road and Myford Road for The Irvine Company, Beverly Hilton Hotel, Huntington Langham Hotel, MWD-California Lakes, Loyola-Marymount campus, Cal Tech, Cal State Long Beach, Pierce College, The Irvine Concourse, UCI, USC, UCLA, LA City College, LA Trade Tech, Riverside City College, Crafton Hills College, MTA projects, and the State of California review of the Landscape Architecture License exam (re: plant materials))

EDUCATION:

Bachelor of Science in Landscape Architecture, California State Polytechnic University, Pomona 1973
Arboricultural Consulting Academy (by ASCA) Arbor-Day Farm, Kansas City 1995
Continuing Education Courses in Arboriculture, required to maintain Certified Arborist status and for ASCA membership

PROFESSIONAL AFFILIATIONS:

American Society of Consulting Arborists (ASCA), Registered Member
American Society of Landscape Architects (ASLA), Full Member
International Society of Arboriculture (ISA), Regular Member
California Tree Failure Report Program, UC Davis, Participant
Street Tree Seminar (STS), Associate Member

COMMUNITY AFFILIATIONS:

ASCA web site, west coast tree question responder	(2007 and continuing)
California Landscape Architect Student Scholarship Fund-Chairman	(1985)
International Society of Arboriculture-Examiner-tree worker certification	(1990)
ASCA, Industry definitions committee and A3G committee	(2009-2010)
American Institute of Landscape Architects (L.A.) Board of Directors	(1980-1982)

Guest lecturer at UCLA, UCI, Cal Poly, Saddleback College, & Palomar Junior College

B. Glossary

ANSI-A300 American National Standards Institute performance standards for the care and maintenance of trees, shrubs and other woody plants. Copies are available from International Society of Arboriculture bookstore 888-ISA-TREE

ANSI Z133 American National Standards Institute performance standards for working safely on trees.

Arboricultural Pertaining to the awareness, care, evaluation, identification, growing, maintenance, management, planting, selection, treatment, understanding, valuation and so forth of trees and other woody plants and their growing environments, particularly in shade and ornamental (non-crop/commodity) settings.

Arboriculture The selection, cultivation, and care of trees, vines, and shrubs.

Arborist A person possessing the technical competence through experience and related training to provide for or supervise the management of trees or other woody plants in a landscape setting.

ASCA The American Society of Consulting Arborists, Inc. a professional society, as described in its by-laws.

Bark Tissue on the outside of the vascular cambium. Bark is usually divided into inner bark - active phloem and aging and dead crushed phloem - and outer bark.

Caliper Diameter of a nursery-grown or small size tree trunk. Larger trees are usually measured at 4.5 feet (see DBH) Trees with calipers 4 inches and below are measured at 6 inches above grade(ANSI Z60-1-1990) Trees above 4 inches, but still transplantable are measured at 12 inches above grade.

Canopy The live, foliage-bearing part of a tree.

Chlorotic Lacking in chlorophyll, typically yellow or yellowish in color.

Compaction (Soil Compaction) The compression of soil, causing a reduction of pore space and an increase in the bulk density of the soil. Tree roots cannot grow in compacted soil.

Crown The upper portions of a tree or shrub, including the main limbs, branches, and twigs.

Cultivar A cultivated variety, e.g. Platanus x Acerfolia cv. Maybe a field selection or a horticultural variety that has originated and persisted under cultivation. Usually enclosed in single quotes after the genus and species names.

DBH Diameter of the trunk, measured at breast height or 54 inches above the average grade. See caliper.

Decay Progressive deterioration of organic tissues, usually caused by fungal or bacterial organisms, resulting in loss of cell structure, strength, and function - in wood, the loss of structural strength.

Dieback	Progressive death of buds, twigs and branch tissues, on individual limbs, or throughout the canopy.
Dripline	A projected line on the ground that corresponds to the spread of branches in the canopy; the farthest spread of branches.
Epicormic	Epi - upon; cormic - stem. Branches that are upon the stem, i.e. sprouting from either dormant buds in the cambial zone, or from buds sprung anew from ray traces. Epicormic shoots are a sign that energy reserves have been lowered.
Fertilization	The process of adding nutrients to a tree or plant; usually done by incorporating the nutrients into the soil, but sometimes by foliar application or injection directly into living tissues.
Heading	Pruning techniques where the cut is made to a bud, weak lateral branch or stub.
Limb	A large lateral branch growing from the main trunk.
Lion-tailing	Pruning technique where internal foliage and branches are removed, leaving the latter concentrated at branch ends.
Root collar	The basal area of the tree; transition zone from trunk to root. Also sometimes called trunk flare.
Root crown	Area at the base of a tree where the roots and stem merge (synonym – root collar)
Root flare	Area at the base of a trunk where the roots attach and flare out.
Root system	The portion of the tree containing the root organs, including buttress roots, transport roots, and fine absorbing roots; all underground parts of the tree.
Root zone	The area and volume of soil around the tree in which roots are normally found. May extend to three or more times the branch spread of the tree, or several times the height of the tree.
Scaffold limb	Primary structural branch of the crown.
Street tree	A tree growing adjacent to dedicated roadways and within the city's right of way.
Stress	"Stress is a potentially injurious, reversible condition, caused by energy drain, disruption, or blockage, or by life processes operating near the limits for which they were genetically programmed." Alex Shigo
Topping	Pruning technique to reduce height - heading of large branches. Prohibited by State Government Code 53067
Trees	An arborescent woody plant, with a single or few trunks near the base
Vigor	Active, healthy growth of plants: ability to respond to stress factors.

C. Verification of Current Registration and Certifications

The International Society of Arboriculture

Hereby Announces That

Gregory W. Applegate

Has Earned the Credential

ISA Certified Arborist ®

By successfully meeting ISA Certified Arborist certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pollihan
CEO & Executive Director

28 July 1997	30 June 2024	WE-0180A
Issue Date	Expiration Date	Certification Number

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO/IEC 17024
PERSONNEL CERTIFICATION BODY
#0847
ISA Certified Arborist

The American Society
of
Consulting Arborists

in recognition of fulfillment of the requirements for

Registered Consulting Arborist® status

confers upon

Gregory W. Applegate, RCA #365

Registered Membership

Dr. James R. Clark, RCA #357
President

Beth W. Palys, FASAE,CAE
Executive Director

The International Society of Arboriculture

Hereby Announces That

Gregory W. Applegate

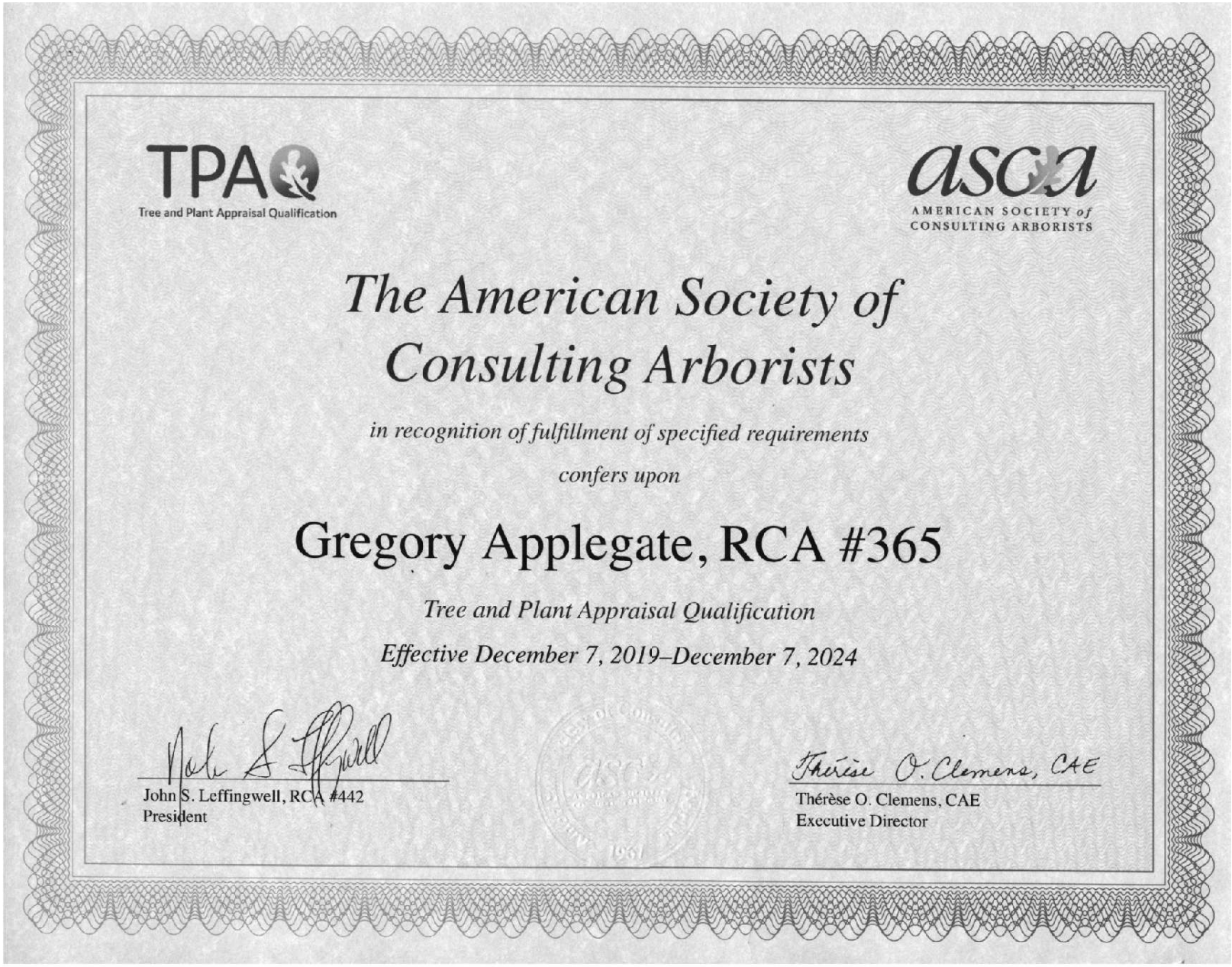
Has Earned the Credential

ISA Tree Risk Assessment Qualification®

By successfully meeting ISA Tree Risk Assessment Qualification certification requirements through demonstrated attainment of relevant competencies as supported by the ISA Credentialing Council

Caitlyn Pollihan
CEO & Executive Director

11 February 2013	30 September 2022
Issue Date	Expiration Date



TPA
Tree and Plant Appraisal Qualification

asca
AMERICAN SOCIETY of CONSULTING ARBORISTS

The American Society of Consulting Arborists

in recognition of fulfillment of specified requirements

confers upon

Gregory Applegate, RCA #365

Tree and Plant Appraisal Qualification

Effective December 7, 2019–December 7, 2024

John S. Leffingwell, RCA #442
President

Thérèse O. Clemens, CAE
Executive Director

D Photographic Documentation



#1 Brazil pepper – note doglegs



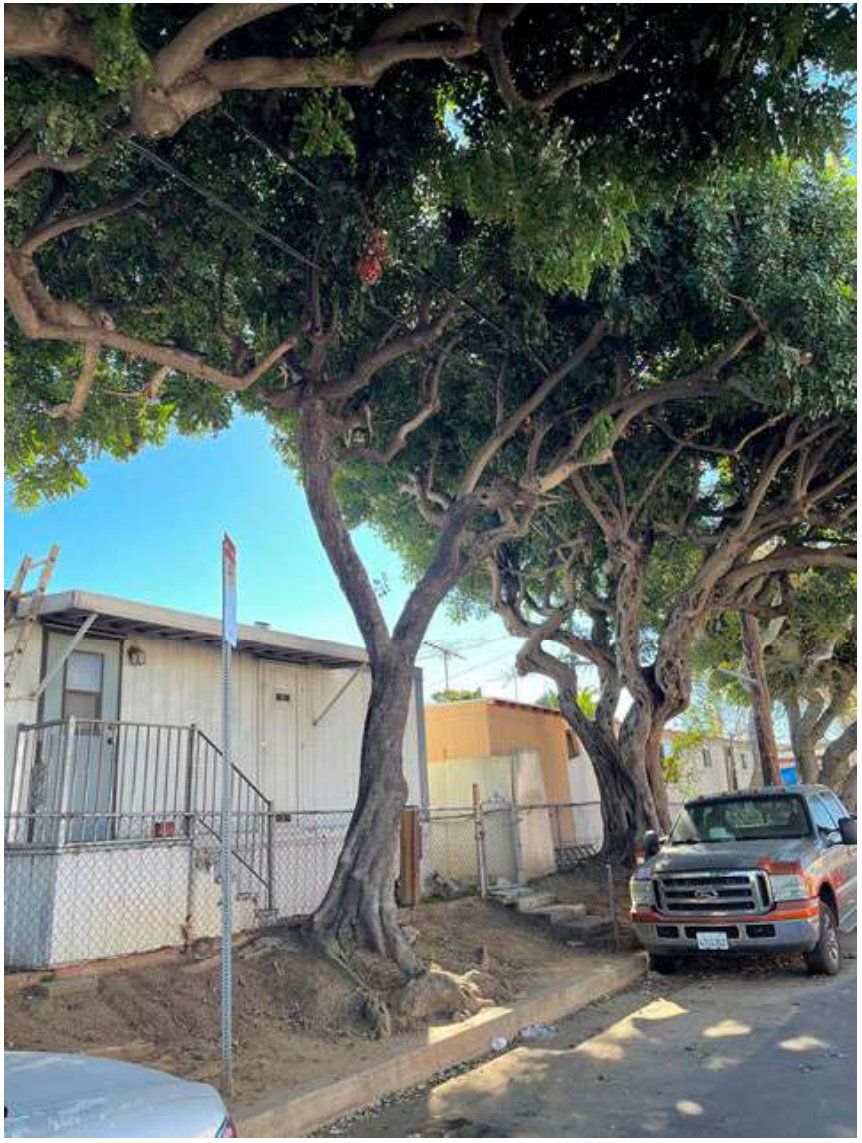
#2 Brazil pepper – more doglegs



Brazil pepper #2 has 2 codominant trunks with included bark.



#3 Carob is topped and lifted. Note pancaked canopy.



#4 Carob – note root zone.



#5 Carob has a decayed trunk with bees living inside.



Bees entering and leaving in small center opening.



#6 Chinese elm has a basal canker.



#7 Carob has 3 codominant trunks



#8 Chinese elm has flush cuts and an old tear out (upper left fork).



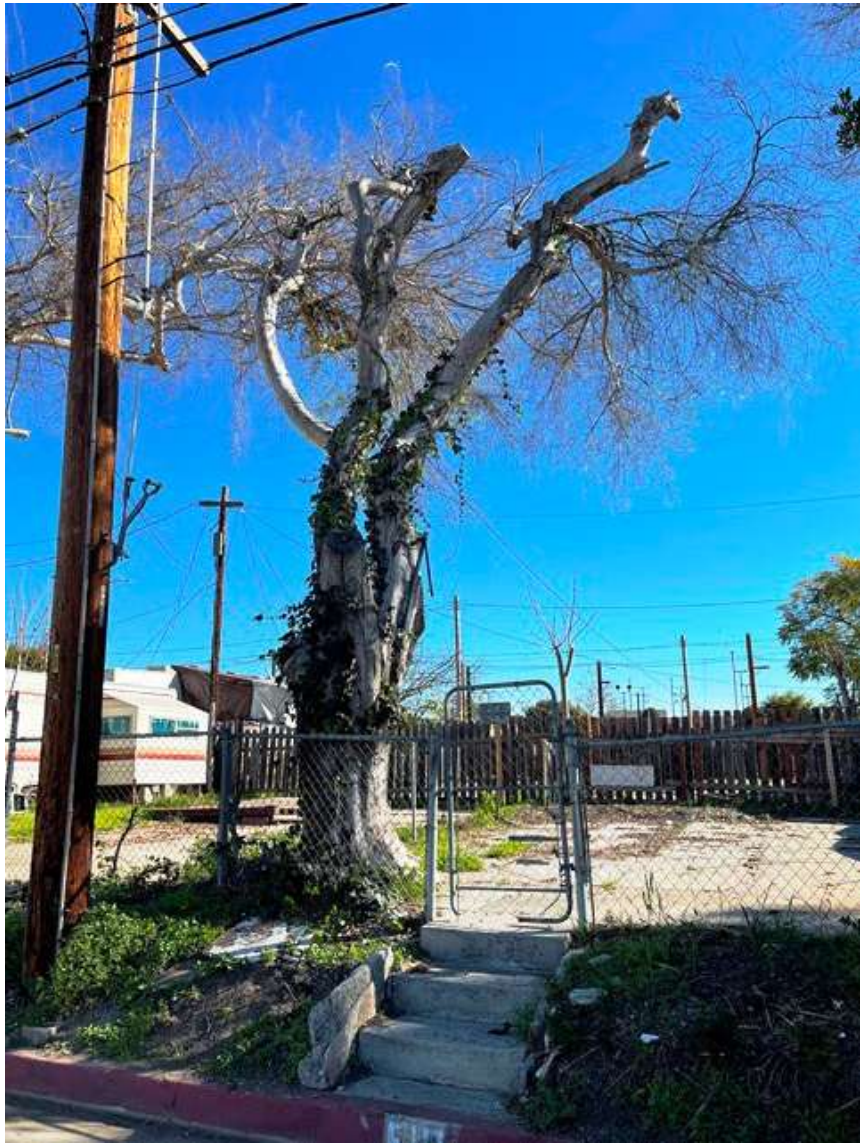
#8 #6 Chinese elm viewed from the other side.



#9 Chinese elm is more on site. Note low branching.



#10 & 11 Chinese elms galls are codominant, #10 is on the wires.



#12 Chinese elm is dying and severely topped and headed back.



#13 Chinese elm is back of the fence.



#14 Shamel ash has many crowded limbs and appears to be topped.



#15 Tree of “heaven” at the corner, obviously not planted as a street tree.



#16 Shamel ash is being headed back to control its size.



#17 Jacaranda – note 3 crowded trunks with included bark.



Not included trunk appears less than 8” diameter.



#18 Japanese privet is headed back resulting in many epicormic shoots.



#19 Octopus tree is crowded.



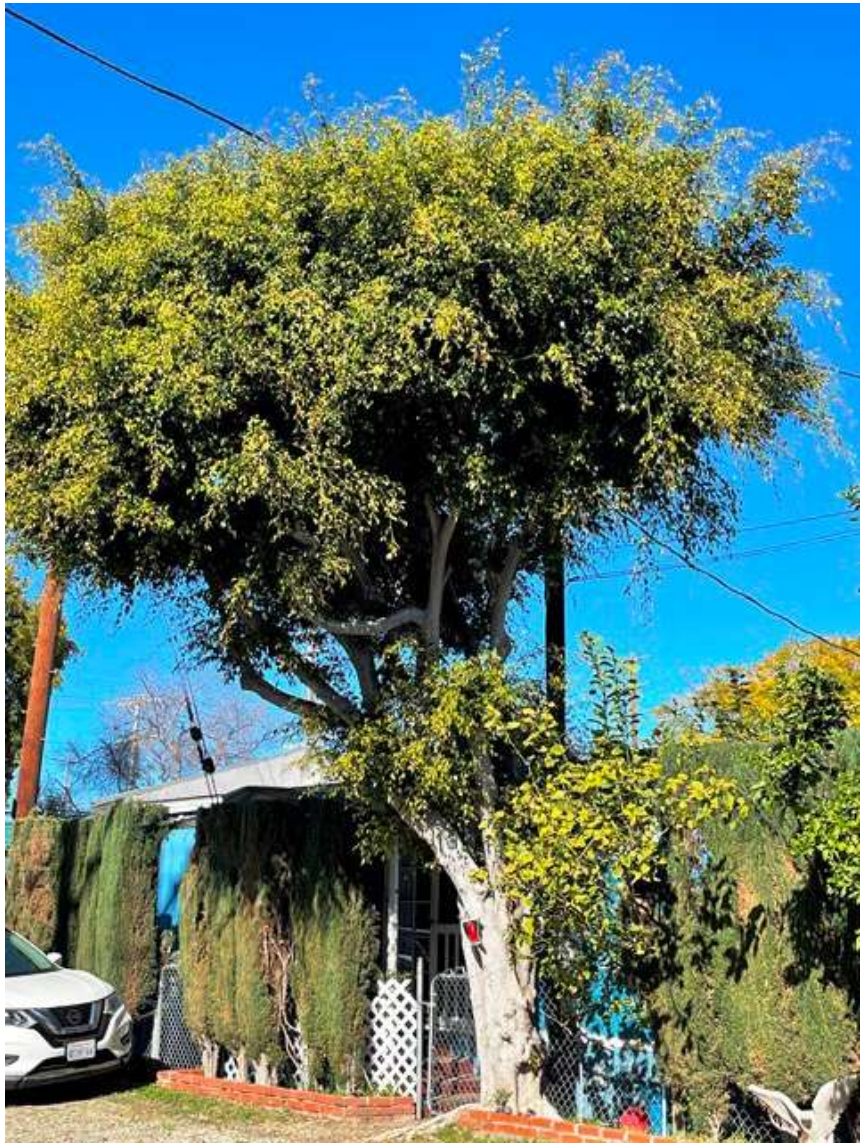
#20 Queen palm is healthy and sound.



#21 Mexican fan palm is healthy and sound.



#22 Avocado is pruned up high over the shed.



#23 Chinese weeping banyan



#24 Chinese weeping banyan



These star pines are not included. None are over 8” caliper.



The east edge of the site has no trees.



The trees shown here are off-site and are at the top of a sloped back wall, and should not be harmed by the planned site work.

Certification

I, Gregory W. Applegate, certify to the best of my knowledge and belief:

That the statements of fact contained in this report, are true and correct. That the report analysis, opinions, and conclusions are limited only the reported assumptions and limiting conditions, and are my personal unbiased professional analysis, opinions and conclusions.

That I have no present or prospective interest in the vegetation that is the subject of this report, and I have no personal interest or bias with respect to the parties involved.

That my compensation is not contingent upon the reporting or a predetermined outcome that favors the cause of the client, or the attainment of stipulated result.

That my analysis, opinions, and conclusions were developed, and this report has been prepared, in conformity with the standards of ASCA and customary arboricultural practice.

That I have made a personal inspection of the plants that are the subject of this report. No one provided significant professional assistance to the person signing this report.

Arborgate Consulting, Inc.
Gregory W. Applegate, CEO _____ Date 2-3-2022
Registered Consulting Arborist #365

Attachment D

Historical Resources Assessment Report

Michele Finneyfrock

From: Debi Howell-Ardila
Sent: Tuesday, June 18, 2024 4:35 PM
To: Michele Finneyfrock
Subject: HRAR 1280 PCH, Harbor City

Hi, Michele,

I've completed a brief review of the 2021 Historical Resources Assessment Report for the 1280 Pacific Coast Highway Mixed-Use Development project in Harbor City.

As you know, this report was prepared by Sarah Corder and Andrew Bursan of Dudek in September 2021 for Alston & Bird, LLP, Los Angeles.

Based on my review, the basis and findings of this report remain valid, and I am not aware of any new information that has since come to light that would alter those findings. The report's conclusions are based on due-diligence research, site visit, and substantial evidence. Moreover, the report's methodology is reflective of standard best professional practices for HRARs.

I hope this answers your question—please let me know if you need anything else.

-Debi

Debi Howell-Ardila, MHP
Senior Architectural Historian
DUDEK

O: 626 663 2841 **C:** 626.742.0072
dudek.com



HISTORICAL RESOURCES ASSESSMENT REPORT FOR THE 1280 PACIFIC COAST HIGHWAY MIXED-USE DEVELOPMENT PROJECT, HARBOR CITY (LOS ANGELES), CALIFORNIA

Prepared for:

Alston & Bird LLP
333 South Hope Street, Sixteenth Floor
Los Angeles, CA 90071
Contact: Edward Casey

Prepared by:

Andrew Bursan, MCRP and Sarah Corder, MFA

DUDEK

38 North Marengo Avenue
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SEPTEMBER 2021

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TABLE

Table 1. Parcels Located in the Project Site 1

Acronyms and Abbreviations

Acronym	Definition
APN	Assessor's Parcel Number
CEQA	California Environmental Quality Act
CRHR	California Register of Historical Resources
HCM	City of Los Angeles Historic-Cultural Monument
NRHP	National Register of Historic Places

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Executive Summary

Dudek was retained by Alston & Bird LLP to complete a Historical Resource Assessment Report for the proposed 1280 Pacific Coast Highway Mixed-Use Development Project (Project) in Harbor City, a community in the City of Los Angeles, California. As currently planned, the proposed Project consists of the redevelopment of a mobile home park known as the A-1 Trailer Park at 1280 Pacific Coast Highway and adjacent vacant surface parking lot (Project site). The A-1 Trailer Park (subject property) is a multifamily residential property over 45 years old.

This report includes an intensive level survey of the Project site by qualified architectural historians; building development and archival research; development of an appropriate historic context for the subject property; and recordation and evaluation of one multifamily residential property over 45 years old for historical significance and integrity in consideration of National Register of Historic Places, California Register of Historical Resources, and City of Los Angeles designation criteria and integrity requirements. This report was prepared in conformance with California Environmental Quality Act (CEQA) Guidelines Section 15064.5 for historical resources and all applicable local guidelines and regulations. The report also conforms to City of Los Angeles requirements for a Historical Resource Assessment Report.

Dudek reviewed the Zone Information and Map Access System, the California Built Environment Resource Directory, the Los Angeles Historic-Cultural Monument List, and the findings of SurveyLA to determine whether or not the subject property was previously identified as a historical resource. This research confirmed that the subject property has not been identified as a historical resource.

The A-1 Trailer Park property does not appear eligible under any National Register of Historic Places, California Register of Historical Resources, or City of Los Angeles designation criteria due to a lack of significant historical associations and architectural merit. Therefore, the subject property is not a historical resource for the purposes of CEQA. No potential resources were identified that could be indirectly impacted by proposed Project activities. Dudek's study is limited to the boundaries of the Project site, which is visually and geographically separated from all other elements of the built environment that are of historic age.

As a result of Dudek's extensive archival research, field survey, and property significance evaluation, no historical resources were identified within the Project site. Therefore, the Project would result in a less-than-significant impact to historical built environment resources under CEQA.

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1 Introduction

Dudek was retained by Alston & Bird LLP to complete a Historical Resources Assessment Report for the 1280 Pacific Coast Highway Mixed-Use Development Project (Project) in the Harbor City community of the City of Los Angeles (City), California. This section provides a description of the Project, including information about the location, setting, and proposed Project activities. This section also presents the regulatory setting for the Project.

1.1 Subject Project Location and Description

Project Location and Current Setting

The proposed Project consists of the redevelopment of a mobile home park known as the A-1 Trailer Park associated with the address 1280 Pacific Coast Highway and adjacent vacant surface parking lot (Project site). The Project site is located within the Wilmington-Harbor City Community Plan Area of the City. The unincorporated community of West Carson is located north of the Project site; the community of San Pedro, within the City, is located to the south; the community of Wilmington, also within the City, is located to the east; and the City of Lomita is located to the west (see Figure 1, Project Vicinity, and Figure 2, Project Location).

The Project site is located at the southeastern corner of Pacific Coast Highway and Frampton Avenue. Specifically, the Project site is bounded by W. 259th Street on the south, Pacific Coast Highway on the north, Frampton Avenue on the west, and an auto repair shop and a surface parking lot that is used by Kaiser Permanente to the east. The site consists of two parcels (Assessor's Parcel Numbers [APNs] 7411-019-016 and 7411-019-020) totaling approximately 161,450 square feet (or approximately 3.7 acres) (see Table 1). The site is generally addressed as 1268, 1270, and 1290 Pacific Coast Highway and 25900 Frampton Avenue, Los Angeles, California 90710. The Project site is currently occupied by four permanent, historic age buildings; mobile homes of an undetermined age; and a vehicle storage lot (currently vacant).

Table 1. Parcels Located in the Project Site

Address	APN	Description
1290 Pacific Coast Highway	7411-019-016	A-1 Trailer Park (subject property)
No Address	7411-019-020	Vacant Lot

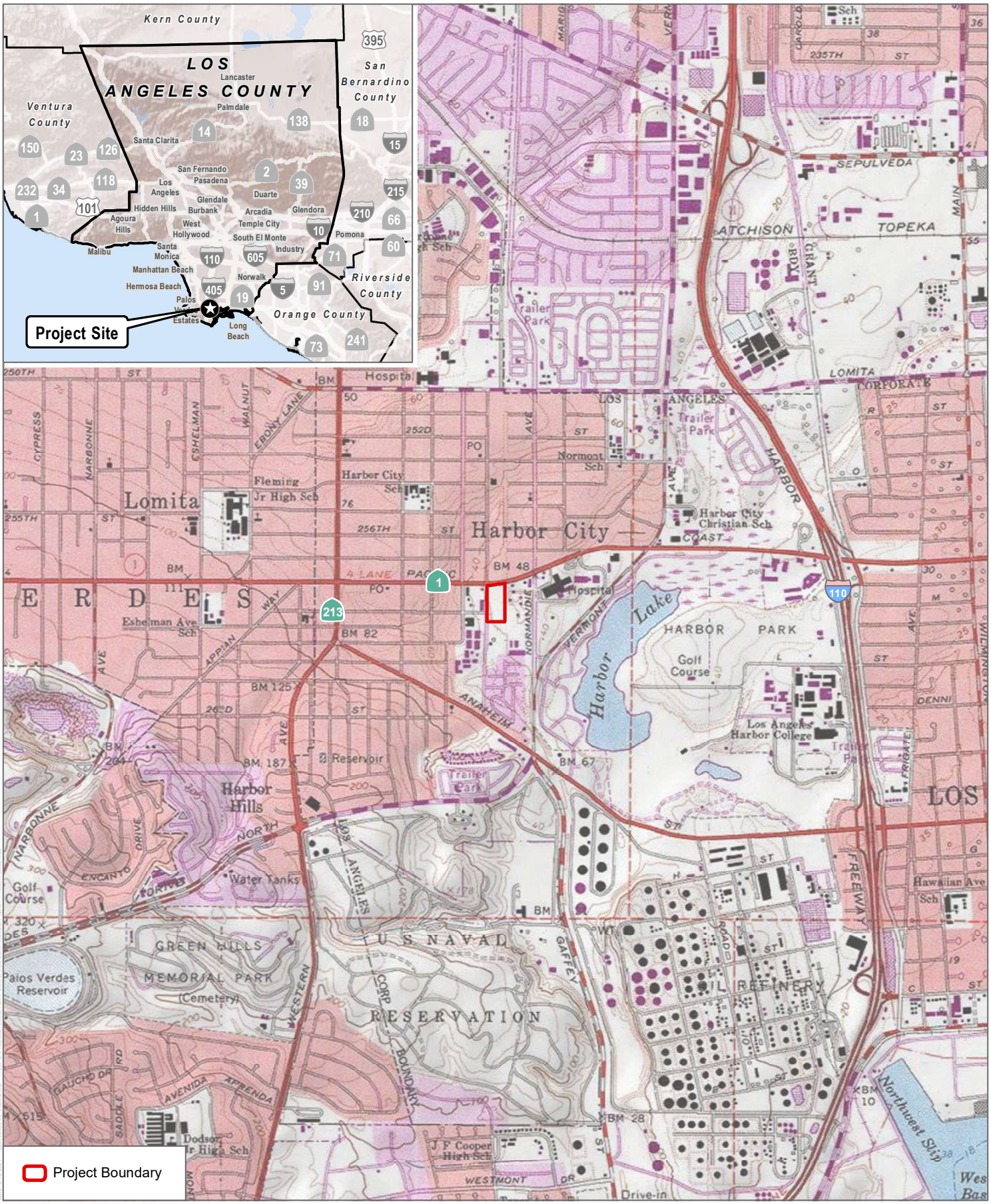
Note: APN = Assessor's Parcel Number.

Project Description

The Project would involve the construction and operation of a mixed-use building consisting of 354 multifamily residential units (39 of which would be affordable units), 1,500 square feet of commercial space, and a 575-stall parking garage. The mixed-use building would have a maximum height of 80 feet. The Project site is currently occupied with mobile homes, trailers, and a former vehicle storage lot. These existing uses would be closed and demolished as part of the Project.

1.2 Project Personnel

This report and associated property significance evaluations was prepared by Dudek Architectural Historian Andrew Bursan, MCRP. Fieldwork and research were conducted by Mr. Bursan and Historic Built Environment Lead Sarah Corder, MFA. Ms. Corder also served as the project manager and principal architectural historian for this Project. This report was reviewed for quality assurance/quality control by Dudek Senior Architectural Historian Allison Lyons, MSHP. Resumes for all key personnel are provided in Appendix A, Preparer's Qualifications.



SOURCE: USGS 7.5-minute Quadrangle, Torrance CA
Township 04S, Range 14W, Section 36

DUDEK

0 1,000 2,000 Feet
0 285 570 Meters
1:24,000

FIGURE 1

Project Vicinity

HRA Report for Mixed Use Project at 1280 Pacific Coast Highway, Harbor City, CA.

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SOURCE: Bing Maps (Accessed 2021), Los Angeles County 2011

DUDEK

0 35 70 Feet
0 10 20 Meters
1:850

FIGURE 2

Project Location

HRA Report for Mixed Use Project at 1280 Pacific Coast Highway, Harbor City, CA.

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2 Field and Research Methodology

2.1 Field Methodology

Dudek Historic Built Environment Lead Sarah Corder, MFA, and Senior Architectural Historian Andrew Bursan conducted a field survey of the Project site at 1280 Pacific Coast Highway (APNs 7411-019-016 and 7411-019-020) on September 2, 2021. The survey entailed walking around the Project site; documenting each component of the built environment with notes and photographs; specifically noting potential character-defining features, spatial relationships, and observed alterations; and identifying any historic landscape features. Dudek documented the fieldwork using field notes, digital photography, property maps, and aerial photographs. Photographs of the Project site were taken with a digital camera. All field notes, photographs, and records related to the current study are on file at Dudek's Pasadena, California, office.

During the course of the survey, Dudek identified four permanent buildings at the A-1 Trailer Park property (the subject property) over 45 years old requiring recordation and evaluation for historical significance: a 20-foot by 40-foot 1946 building at the northwestern corner of the subject property (1290 Pacific Coast Highway still extant), a sales office at the northwest corner of the subject property (1270 Pacific Coast Highway), an office building dating to circa 2000, and a circa 1950s laundry room at the center of the lot. Mobile homes of an undetermined age were also observed and on the subject property. (Please see Section 6, Description and History of Project Site.)

2.2 Research Methodology

Building development and archival research was conducted for the Project site in an effort to establish a thorough and accurate historic context for the property significance evaluation and to confirm the building development history of the Project site and associated parcels. The following repositories were consulted to complete this research.

SurveyLA and HistoricPlacesLA

On September 1, 2021, Dudek reviewed the Historic Resources Survey Report for the Wilmington-San Pedro Community Plan Area completed in July 2012. The subject property was not identified either as an individual historic resource or part of a potential historic district. On September 10, 2021, Dudek reviewed the HistoricPlacesLA website and determined the property is not listed in either their resources map or search functions.

City of Los Angeles Department of Planning and Building Safety

On September 1, 2021, Dudek obtained building permits and records for new construction, demolition, alteration, and additions through the City's Online Building Records website (https://ladbsdoc.lacity.org/) filed after 1946 (the original date of the construction) for parcels comprising the Project site.

Los Angeles County Office of the Assessor

On September 3, 2021, Dudek researched the subject property records available through the online portal of the Los Angeles County Office of the Assessor (https://maps.assessor.lacounty.gov/m/) in order to establish dates of construction.

Historical Newspaper Search

Dudek reviewed historical newspapers covering the Harbor City neighborhood and overall County of Los Angeles in an effort to understand the development of the Project site. All information obtained from the historical newspaper search was incorporated into the historic context (see Section 5, Historic Context).

Historical Aerial Photographs

Historic aerial photographs of the Project site were available from Nationwide Environmental Title Research LLC maps for the years 1952, 1953, 1963, 1972, 1980, 1994, 2000, 2002, 2003, 2004, 2005, 2009, 2010, 2012, 2014, 2016 and 2018 (NETR 2020) and from the University of California, Santa Barbara, FrameFinder Maps for the years 1932, 1941, 1960, 1962, 1965, 1971, and 1976 (UCSB 2020). All information obtained from the Historic aerial photographs was incorporated into the property history.

Sanborn Fire Insurance Maps

The Project site at 1280 Pacific Coast Highway was not included in an area depicted in historic Sanborn Fire Insurance Maps.

Additional Sources Consulted

Dudek review additional sources, including but not limited to:

- National Register of Historic Places (NRHP)
- California Register of Historical Resources (CRHR)
- California Historical Landmarks et seq.
- California Points of Historical Interest et seq.
- California Built Environment Resource Directory
- Los Angeles Historic-Cultural Monument List
- City of Los Angeles's online portal Zone Information and Map Access System
- Databases and indexes available through the Los Angeles Public Library (www.lapl.org): the California index, Los Angeles and San Pedro city directories, genealogy and local history index; photo database; Los Angeles Times historical archives; obituary index; and digitized Sanborn maps
- Newspapers.com historic article database
- Ancestry.com

3 Previous Evaluations

3.1 SurveyLA

The A-1 Trailer Park and parcels comprising the Project site have not been previously identified in a historic resources survey, including the survey of the Wilmington-Harbor City Community Plan Area completed by SurveyLA in 2012. None of the parcels associated with the Project site are listed in the California Built Environment Resource Directory for Los Angeles County. The Project site is not located in a City of Los Angeles Historic Preservation Overlay Zone.

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4 Regulatory Setting

Federal

National Register of Historic Places

While there is no federal nexus for this Project, the subject property was evaluated in consideration of NRHP designation criteria. The NRHP is the United States' official list of districts, sites, buildings, structures, and objects worthy of preservation. Overseen by the National Park Service, under the U.S. Department of the Interior, the NRHP was authorized under the National Historic Preservation Act, as amended. Its listings encompass all National Historic Landmarks, as well as historic areas administered by the National Park Service.

NRHP guidelines for the evaluation of historic significance were developed to be flexible and to recognize the accomplishments of all who have made significant contributions to the nation's history and heritage. Its criteria are designed to guide state and local governments, federal agencies, and others in evaluating potential entries in the NRHP. For a property to be listed in or determined eligible for listing, it must be demonstrated to possess integrity and to meet at least one of the following criteria:

> The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:
>
> A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
> B. That are associated with the lives of persons significant in our past; or
> C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
> D. That have yielded, or may be likely to yield, information important in prehistory or history.

Integrity is defined in NRHP guidance, How to Apply the National Register Criteria, as "the ability of a property to convey its significance. To be listed in the NRHP, a property must not only be shown to be significant under the NRHP criteria, but it also must have integrity" (NPS 1997). NRHP guidance further asserts that properties be completed at least 50 years ago to be considered for eligibility. Properties completed fewer than 50 years before evaluation must be proven to be "exceptionally important" (criteria consideration to be considered for listing).

State

California Register of Historical Resources

In California, the term "historical resource" includes but is not limited to "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California" (California Public Resources Code Section 5020.1[j]). In 1992, the California legislature established the CRHR "to be used by state and local agencies, private groups, and citizens to identify the state's historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change" (California Public Resources Code Section 5024.1[a]). The criteria for listing resources on the CRHR were expressly

developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated below. According to California Public Resources Code Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains "substantial integrity," and (ii) meets at least one of the following criteria:

1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
2. Is associated with the lives of persons important in our past.
3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
4. Has yielded, or may be likely to yield, information important in prehistory or history.

In order to understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (see 14 CCR 4852[d][2]).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

California Environmental Quality Act

As described further below, the following California Environmental Quality Act (CEQA) statutes and CEQA Guidelines are of relevance to the analysis of historic resources:

- California Public Resources Code Section 21084.1 and CEQA Guidelines Section 15064.5(a) define "historical resources." In addition, CEQA Guidelines Section 15064.5(b) defines the phrase "substantial adverse change in the significance of an historical resource." It also defines the circumstances when a project would materially impair the significance of an historical resource.
- California Public Resources Code Sections 21083.2(b)-(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for historic resources, including examples of preservation-in-place mitigation measures.

Under CEQA, a project may have a significant effect on the environment if it may cause "a substantial adverse change in the significance of an historical resource" (California Public Resources Code Section 21084.1; 14 CCR 15064.5[b]). A "historical resource" is any site listed or eligible for listing in the CRHR. The CRHR listing criteria are intended to examine whether the resource in question (a) is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage; (b) is associated with the lives of persons important in our past; (c) embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or (d) has yielded, or may be likely to yield, information important in pre-history or history.

The term "historical resource" also includes any site described in a local register of historic resources or identified as significant in a historical resources survey (meeting the requirements of California Public Resources Code Section 5024.1[q]).

All historical resources—as defined by statute—are presumed to be historically or culturally significant for purposes of CEQA (California Public Resources Code Section 21084.1; 14 CCR 15064.5[a]). The lead agency is not precluded from determining that a resource is a historical resource even if it does not fall within this presumption (California Public Resources Code Section 21084.1; 14 CCR 15064.5[a]). A site or resource that does not meet the definition of "historical resource" is not considered significant under CEQA and need not be analyzed further (California Public Resources Code Section 21083.2[a]; 14 CCR 15064.5[c][4]).

Under CEQA a significant cultural impact results from a "substantial adverse change in the significance of an historical resource [including a unique archaeological resource]" due to the "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired" (14 CCR 15064.5[b][1]; California Public Resources Code Section 5020.1[q]). In turn, the significance of a historical resource is materially impaired when a project:

1. Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
2. Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
3. Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Local

Los Angeles Historic-Cultural Monuments

Local landmarks in the City of Los Angeles are known as Historic-Cultural Monuments (HCMs) and are under the aegis of the Planning Department, Office of Historic Resources. They are defined in the Cultural Heritage Ordinance as follows (Los Angeles Municipal Code Section 22.171.7, added by Ordinance No. 178,402, effective April 2, 2007):

> An HCM is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles, including historic structures or sites in which the broad cultural, economic or social history of the nation, state or community is reflected or exemplified; or which is identified with historic personages or with important events in the main currents of national, state or local history; or which embodies the distinguishing characteristics of an architectural type specimen, inherently valuable for a study of a period, style or method of construction; or a notable work of a master builder, designer, or architect whose individual genius influenced his or her age.

This definition has been broken down into the following four HCM designation criteria that closely parallel the existing NRHP and CRHR criteria and are numbered for clarity:

1. Is identified with important events in the main currents of national, State or local history, or exemplifies significant contributions to the broad cultural, political, economic or social history of the nation, state, city, or community; or
2. Is associated with the lives of Historic Personages important to national, state, city, or local history; or
3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder or architect whose genius influenced his or her age; or possesses high artistic values; or
4. Has yielded, or has the potential to yield, information important to the pre-history or history of the nation, state, city or community.

Historic Preservation Overlay Zones

As described by the City of Los Angeles Office of Historic Resources, the Historic Preservation Overlay Zone Ordinance was adopted in 1979 and amended in 2004 to identify and protect neighborhoods with distinct architectural and cultural resources. Historic Preservation Overlay Zones, commonly known as historic districts, provide for review of proposed exterior alterations and additions to historic properties within designated districts.

Regarding Historic Preservation Overlay Zone eligibility, City of Los Angeles Ordinance Number 175891 states (Los Angeles Municipal Code Section 12.20.3):

> Features designated as contributing shall meet one or more of the following criteria:
>
> - adds to the Historic architectural qualities or Historic associations for which a property is significant because it was present during the period of significance, and possesses Historic integrity reflecting its character at that time; or
> - owing to its unique location or singular physical characteristics, represents an established feature of the neighborhood, community or city; or
> - retaining the building, structure, Landscaping, or Natural Feature, would contribute to the preservation and protection of a Historic place or area of Historic interest in the City.

Regarding effects on federal and locally significant properties, Los Angeles Municipal Code states the following (Section 91.106.4.5, Permits for Historical and Cultural Buildings):

> The department shall not issue a permit to demolish, alter or remove a building or structure of historical, archaeological or architectural consequence if such building or structure has been officially designated, or has been determined by state or federal action to be eligible for designation, on the National Register of Historic Places, or has been included on the City of Los Angeles list of historic cultural monuments, without the department having first determined whether the demolition, alteration or removal may result in the loss of or serious damage to a significant historical or cultural asset. If the department determines that such loss or damage may occur, the applicant shall file an application and pay all fees for the California Environmental Quality Act Initial Study and Check List, as specified in Section 19.05 of the Los Angeles Municipal Code.

If the Initial Study and Check List identifies the historical or cultural asset as significant, the permit shall not be issued without the department first finding that specific economic, social or other considerations make infeasible the preservation of the building or structure.

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5 Historic Context

5.1 Historical Overview

Post-contact history for the State of California is generally divided into three periods: the Spanish Period (1769–1821), Mexican Period (1821–1848), and American Period (1846–present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period when California became a territory of the United States. The modern development of the area surrounding the Project site began with the development of the port at San Pedro in the 1850s.

Historical Overview of Harbor City and Wilmington

Prior to European settlement, the Wilmington-Harbor City area of Los Angeles County was the traditional home of the indigenous peoples of the Tongva nation. In 1784, Spain conferred the first private land concession in Southern California, the Rancho San Pedro land grant, to Portola Expedition member Juan Jose Dominguez. Dominguez developed the 43,119.13-acre rancho agriculturally by planting wheat. Grain remained a regional staple until the Dominguez heirs sold a portion of Rancho San Pedro to William Sanford, John Downey, and Benjamin Wilson in 1854 (GPA 2012: 6; State Lands Commission 1982: 50; Native Land Digital 2021).

Sanford, Downey, and Wilson partnered with entrepreneur Phineas Banning to construct wharves and warehouses to serve the City of Los Angeles. By the time the port was fully constructed, a small hamlet that supported the development of the port emerged directly inland. In 1858, the wharf was opened for business and the associated hamlet was officially designated New San Pedro. In 1863, New San Pedro was renamed to Wilmington in honor of Banning's hometown of Wilmington, Delaware (GPA 2012: 7).

Wilmington's first development boom coincided with the beginning of the American Civil War. In 1861, Banning and Wilson donated land north of the wharf to the U.S. Armed Forces. The military developed Fort San Pedro, known colloquially as Fort Drum, to be used as the Union Army headquarters for the State of California and the Arizona Territory. In 1862, Wilmington became the Los Angeles terminus for the transcontinental telegraph line. These developments led to continuous industrial development near the waterfront, while residential development inland remained sparse (GPA 2012: 7; Hart 1965: 36).



Figure 3. View of Wilmington Harbor in 1870, showing the Los Angeles and San Pedro Railroad, the first railroad in the harbor, which had been completed by Phineas Banning in 1869 (Water and Power Associates).

In the mid-1860s Banning proposed the development of Southern California's first regional railroad, the Los Angeles and San Pedro Railroad. Construction began on the route in 1868 and concluded in 1869. The railroad resulted in lowered freight and transportation costs, which ensured the continued development of Wilmington. Wilmington was incorporated as a city in 1871 because of its economic success as a port. In 1874, Wilson College, a precursor to the University of Southern California, opened as the first coeducational college west of the Mississippi in Wilmington (GPA 2012: 7; Water and Power Associates 2021).

Wilmington grew steadily until the mid-1880s. Between the late 1880s and the early 1900s, Wilmington's development stagnated when the Southern Pacific Railroad gained control of the Los Angeles and San Pedro Railroad and extended the line beyond Wilmington and into San Pedro to the southwest. In addition, San Pedro was chosen as the site for the harbor of the City of Los Angeles, leading many of the City of Wilmington's businesses to move to San Pedro. Due to its economic decline, Wilmington's incorporation was revoked in 1887 (GPA 2012: 7).

Wilmington's development remained stagnant until the Pacific Electric Interurban Railroad extended its streetcar line through Wilmington to San Pedro and included a stop in Wilmington on the new line. In 1907, Wilmington was reincorporated as a city because of the increased economic activity reintroduced to the area by the Pacific Electric Interurban Railroad. Another commercial industrial development that shaped the Wilmington-Harbor City area in 1907 was the official opening of the Port of Los Angeles to the southwest. In 1909, Wilmington was consolidated into the City of Los Angeles (GPA 2012: 7).

In 1914, a new neighbor was founded directly east of Wilmington, Harbor City. Although Harbor City shared Wilmington's proximity to the industrial Port of Los Angeles, it developed as a residential area instead of as an industrial one. Together, Wilmington and Harbor City provided housing and industry linking the Port of Los Angeles to the wider region.

In 1920, oil was discovered near Wilmington-Harbor City and industrial growth increased exponentially. The new economic opportunity in Wilmington spurred developmental growth in the largely residential community of Harbor City. In 1920, Wilmington-Harbor City's population was 2,250; 10 years later the area's population had increased to 15,486. To accommodate the rapidly increasing population, commercial corridors were constructed on larger streets with single-family and multifamily residential developments interspersed between smaller, gridded streets. In 1932, the discovery of the Wilmington Oil Field, which is the largest oil field in California and the third largest oil field in the contiguous United States, further increased development in Wilmington-Harbor City (GPA 2012: 8; Poe 2021).

While Wilmington-Harbor City saw the first signs of residential growth during the 1930s, the Great Depression generally slowed economic and developmental growth in the region. The fishing industry became the largest employer in the area during the 1930s. Because of the 1934 "Big Strike," which began in San Francisco before spreading across the West Coast, labor unions saw increased influence over the state's ports. The International Longshoreman's and Warehousemen's Union, founded in 1937, established a chapter in Wilmington. By the 1950s, the area was known for its influential labor unions (GPA 2012: 8; Water and Power Associates 2021).

During World War II, the Wilmington-Harbor City area was chosen as the Los Angeles Port of Embarkation. The Los Angeles Port of Embarkation consisted of 118 acres, 101 of which were leased land acquired from private, municipal, and commercial entities from Wilmington-Harbor City. From this port, military personnel were dispatched to fight in the Pacific Theater. Although most non-war related development slowed during World War II, construction began on the Harbor Steam Plant, a power plant, in 1943. Construction of the plant stalled in the same year of its commencement and did not resume until 1947. Construction of the plant concluded in 1949. Upon completion, the plant was renamed the Harbor Generating Station. The station was taken offline in 1991 due to inefficiency and outdated technology (U.S. Army Corps of Engineers 2016; Daily Breeze 2021; Best of the South Bay 2018).

In the 1950s, Wilmington-Harbor City experienced a building boom, which coincided with a building boom across all of Los Angeles County. During the 1950s the Harbor Freeway (Interstate 110), Harbor Regional Park, and Los Angeles Harbor College (originally named Los Angeles Harbor Junior College) were developed. In 1958, the Matson Navigation Company delivered the first shipment of 20 containers to the Port of Los Angeles, resulting in the containerized cargo revolution. Containers proved much easier than shipping bulky packages, drastically increasing the amount of goods moved throughout ports and local corridors like the Harbor Freeway. By 1959, the Port of Los Angeles had already handled 7,000 shipping containers. By 2000, the Port of Los Angeles operated as the busiest port in North America, which supported the commercial and industrial environment of surrounding communities, including Wilmington-Harbor City (Estrada 2014).

Major residential growth in Wilmington-Harbor City occurred in the 1920s and the 1950s. A third wave of residential, industrial, and commercial development began in the 1960s and continued into the current century. As the Port of Los Angeles continued to expand and bring increased commercial and industrial opportunities to Wilmington-Harbor City, residential buildings were constructed throughout the area. Single-family residences continued to dominate the smaller streets between thoroughfares. In the 1960s, there was a dramatic growth in multifamily residential developments. During the 1960s, a variety of multifamily residential developments, including apartment housing, multifamily residential districts, and neighborhoods comprised of manufactured homes were constructed in the area (LADCP 2000: 6).

The Wilmington-Harbor City area has continued to experience steady growth in the twenty-first century. The population increased from 51,517 in 2000 to 82,858 residents by 2017 estimates. Industrially, Wilmington-Harbor City continues to function as Los Angeles County's main industrial economic engine due to its oil refineries and production, goods movement, and the Port of Los Angeles. Labor unions continue to play a prominent role in the

area's industrial development and politics. Commercially, Wilmington-Harbor City is not solely reliant on industrial commerce. During the twentieth and twenty-first centuries, Wilmington-Harbor City developed major commercial shopping centers and tourist amenities along Avalon Boulevard in Wilmington and along Pacific Coast Highway in Harbor City (ACS 2010; LADCP 2014; LADCP 2017; LADCP 2000: 4).

5.2 Property Type: Trailer Parks and Mobile Homes

The following trailer parks and mobile homes context draws content primarily from the Los Angeles Citywide Historic Context Statement theme for Trailer Parks and Mobile Homes (City of Los Angeles Office of Historic Resources 2016) and A Field Guide to American Houses (McAlester 2015).

Trailer Parks and Mobile Homes, 1920–Present

In Los Angeles, trailer parks and mobile home parks represent a significant multifamily residential development type, illustrating the transition of prefabricated mobile housing from solely tourism-related applications to inexpensive permanent dwellings. The modern trailer and mobile home park evolved from development types called auto camps, auto courts, or motor courts in the 1910s. Equipped with amenities like bathhouses, kitchens, and laundry areas, auto camps provided an alternative to the early practice of automobile camping along the roadside or having to stay at downtown hotels that were ill-suited for automobile travelers due to lack of parking for their vehicles (City of Los Angeles Office of Historic Resources 2016: 4).

During the 1930s, the first true mobile homes were developed for use as travel trailers. These mobile houses were small and light enough to tow behind a car. For the first time, as the Great Depression hit in the early 1930s, car camps began to accommodate more permanent trailer housing or trailer parks. California lawmakers, encouraged by trailer manufacturers, passed the State Trailer Camp Act in 1937 in response to the rapid growth of concentrated trailer dwellings in the state. The law established criteria for trailer camp development and was revised numerous times throughout the 1940s to increase the standards (City of Los Angeles Office of Historic Resources 2016: 5; McAlester 2013: 149).

Demand increased for long-term residential trailer camps or parks in Southern California in the years following World War II when returning soldiers and their families joined new California immigrants in their search for inexpensive accommodations. By 1945, the federal government had made a significant investment in the trailer sector, ordering over 150,000 units. By 1949, Los Angeles County boasted 40 trailer parks, with nearly half of them located inside the city boundaries of Los Angeles. Since house trailers were still seen as temporary rather than permanent dwellings in the 1940s, their design remained substantially unaltered from the "single-wide," with the emphasis on mobility and cost. While the classic single-wide home is 8 feet wide, they often include porch, deck, carport, and garage extensions that can take the width upwards of 16 feet. The earlier 1940s and 1950s designs had a linear plan and a single file of rooms (McAlester 2013: 149–150). Also, in the spirit of low cost and mobility, parks of the 1940s offered few amenities compared to parks built after the mid-1950s.

The Project site at 1280 Pacific Coast Highway represents a highly altered version of a typical utilitarian trailer park from the mid-1940s. By 1949, Los Angeles County had several trailer parks. Within the southwest area of Los Angeles County, near the subject property, these included Olympic Trailer Court (2121 Bundy Drive, Santa Monica) (see Figure 4), Chaney Trailer Camp (1415 N. Fries Avenue, Wilmington), Knoll Hill Trailer Park (290 Viewland Place), La Rambla Trailer Park (126 N. Bandini Boulevard), Pepper Tree Auto Court (1036 McFarland Avenue, Wilmington; extant), and Williams Auto Court (222 Pacific Coast Highway, Wilmington). Of these trailer parks, 1036 McFarland

Avenue, Wilmington is the only extant example (City of Los Angeles Office of Historic Resources 2016: 7-8; McAlester 2013: 149-150; San Pedro-Wilmington City Directory 1949: 742).



Figure 4. A view of Olympic Trailer Park in Santa Monica, 1940
(Los Angeles Public Library)

Trailer design began to change in the late 1950s and early 1960s, with manufacturers offering larger, more permanent alternatives that more closely resembled conventional homes. Mobile home parks had become a well-known and even attractive dwelling style by 1960, notably in Southern California. Community buildings, swimming pools, and organized events were all common features of the region's mobile home parks. Other mobile home parks in Los Angeles had nothing in the way of landscaping or community facilities. Often these types of parks were relegated to the fringe areas of a given city. The Harbor City Mobile Home Park (760 Lomita Boulevard, Harbor City, built 1971) represents a later, local example of a park with more spacious homes and amenities such as a pool and community center (City of Los Angeles Office of Historic Resources 2016: 8-10; McAlester 2013: 150).

The U.S. Department of Housing and Urban Development finalized a set of standardized criteria for the building of mobile houses in 1976, and the Housing Act of 1980 mandated the use of the term "manufactured home" instead of "mobile home." As people took up more full-time residency in trailers in the postwar period, the single-wide trailer became the preferred manufactured dwelling type for trailer parks and gradually replaced more transient camper dwelling types during the 1950s. Single-wide manufactured homes range in size to up to 16 feet wide and up to 70 feet long. They are delivered to the job site, installed on a foundation built on site, and seldom relocated. Decks, porches, carports, garages, and room expansions are commonly added to these homes. A double-wide is made up of two linear sections, each without a side wall, that are meant to be linked together to make a single, larger building. In the modern era, manufactured housing continues to provide shelter to a large sector of Americans (McAlester 2013: 150).

Mobile Home and Manufactured Home Sub-Types (1930-Present)

Manufactured homes represent a prevalent type of house in modern America and are loosely grouped into the following subtypes: motorhomes and campers, single-wide homes, and double-wide homes. Manufactured housing is assembled completely in a factory. Unlike the closely related "modular home," a manufactured home is typically exempt from local building codes, but legally must maintain a steel chassis for mobility. The trailer park at 1280 Pacific Coast Highway features two types of mobile homes: campers and non-permanent RV motorhomes. The subject property also features later manufacturer homes known as single-wides. There are no double-wide types on the A-1 Trailer Park property.

Mobile Home Subtype: Camper

The earliest examples of mobile homes date to the 1930s as campers and travel trailers. Typically 8 feet wide, they could easily be attached to automobiles as trailers. Early campers featured a rudimentary layout but soon took on a more permanent design after World War II. The mobile home industry produced the first 10-foot-wide models in 1954 and by 1968, widths reached 12 feet. In the 1960s, the length of mobile homes increased as well to accommodate bathrooms, which were absent in most early trailers (McAlester 2013: 149–150) (see Figure 5).



Figure 5. Example of a circa-1960 mobile home



Figure 6. Example of a circa 1990s motorhome

Mobile Home Subtype: RV Motorhome

Motorhomes provide temporary living quarters, but differ from both a mobile home and single-wide because motorhomes are permanently attached to self-propelled motor vehicle chassis or a van and built by a licensed motorhome manufacturer (see Figure 6). There are two types of motor homes. The larger style is constructed on a truck chassis with a gasoline or diesel engine and has a high fuel capacity, allowing it to travel great distances. The smaller or mini-motor home is built on a van chassis with a portion that extends beyond the cab (McAlester 2013: 149-150).

Mobile Home Subtype: Single-Wides

Single-wides represent the most prevalent style of manufactured home in America and a more permanent style of dwelling. While the classic single-wide home is 8 feet wide, they often include porch, deck, carport, and garage extensions that can take the width upwards of 16 feet (see Figure 7). The earlier 1940s and 1950s era designs had a linear plan and a single file of rooms. Manufacturers increasingly offered designs to accommodate different size lots with embellishments like shallow gables or changes in cladding, often in an effort to mimic Ranch houses (McAlester 2013: 149–150).



Figure 7. Example of a 1960s era single-wide dwelling with porch extension

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6 Description and History of Project Site

During the course of the survey, Dudek identified four permanent buildings at the A-1 Trailer Park property (the subject property) over 45 years old requiring recordation and evaluation for historical significance: a 20-foot by 40-foot 1946 building at the northwestern corner of the subject property (1290 Pacific Coast Highway still extant), a sales office at the northwest corner of the subject property (1270 Pacific Coast Highway), an office building dating to circa 2000, and a circa 1950s laundry room at the center of the lot. In addition, mobile homes and single-wides (commonly known as campers) are addressed as part of the subject property.

6.1 Property Description

Manufactured Dwellings (Mobile Homes, Motorhomes, Single-Wide Dwellings)

The subject property at 1280 Pacific Coast Highway consists of a trailer park with five rows of mixed manufactured dwellings (mobile homes, motorhomes, single-wide dwellings) on a 3-acre rectangular parcel. While the entirety of the trailer park is on one parcel (APN 7411-019-016), an adjacent lot to the east (APN 7411-019-020) is utilized by residents for parking and was included in this evaluation as it is part of the overall Project site and is functionally linked to the subject property. The three westernmost rows of manufactured dwelling lots measure 200 yards long and the two easternmost rows measure 150 yards. Each lot originally contained a 4-foot by 8-foot utility room with washer and dryer hookups, but at least 39 of these rooms have been demolished. The lots are now primarily vacant lots, with only the bases remaining where the rooms once stood. The utility rooms represent one of the only ancillary building types that remain on the site that date to the original construction in the 1940s.

Of the remaining dwellings on the subject property, roughly 63% are campers, 27% are more permanent single-wides, and 10% are motorhomes. All dwelling types are one story in height and sit directly on their concrete pads or atop a low base. Flat roofs or low-pitched roofs surmount most dwellings and fenestration includes both aluminum and vinyl slider windows on mobile homes and single-wides. Many units feature porch and auto shelter extensions projecting from the side elevations, and some are attached to motorhomes. Although it is difficult to discern the age of various mobile homes and single-wides, most dwellings appear to range in age from the early 1960s to the late 1990s. Currently 40 of the 91 trailer lots are vacant (see Figure 8 map of the trailer park).

Amenities are limited to a side gabled, stucco clad, circa 1950s laundry room with a storage addition at the center of the subject property (see Figure 16). Along Pacific Coast Highway at the front of the subject property, permanent structures on the property include a front gabled former sales office (Figure 17), an office building (Figure 18), and a vacant, flat roof former retail building (Figure 19). While the former sales office has a “1270” affixed to the front of the building and the former retail building has a “1290,” both buildings are on the parcel of 1280 Pacific Coast Highway (Figure 20). Landscaping is limited to small 3-foot by 3-foot garden patches on each lot that sometimes contain small trees. See Figures 9–16 for photos of existing conditions on the subject property.

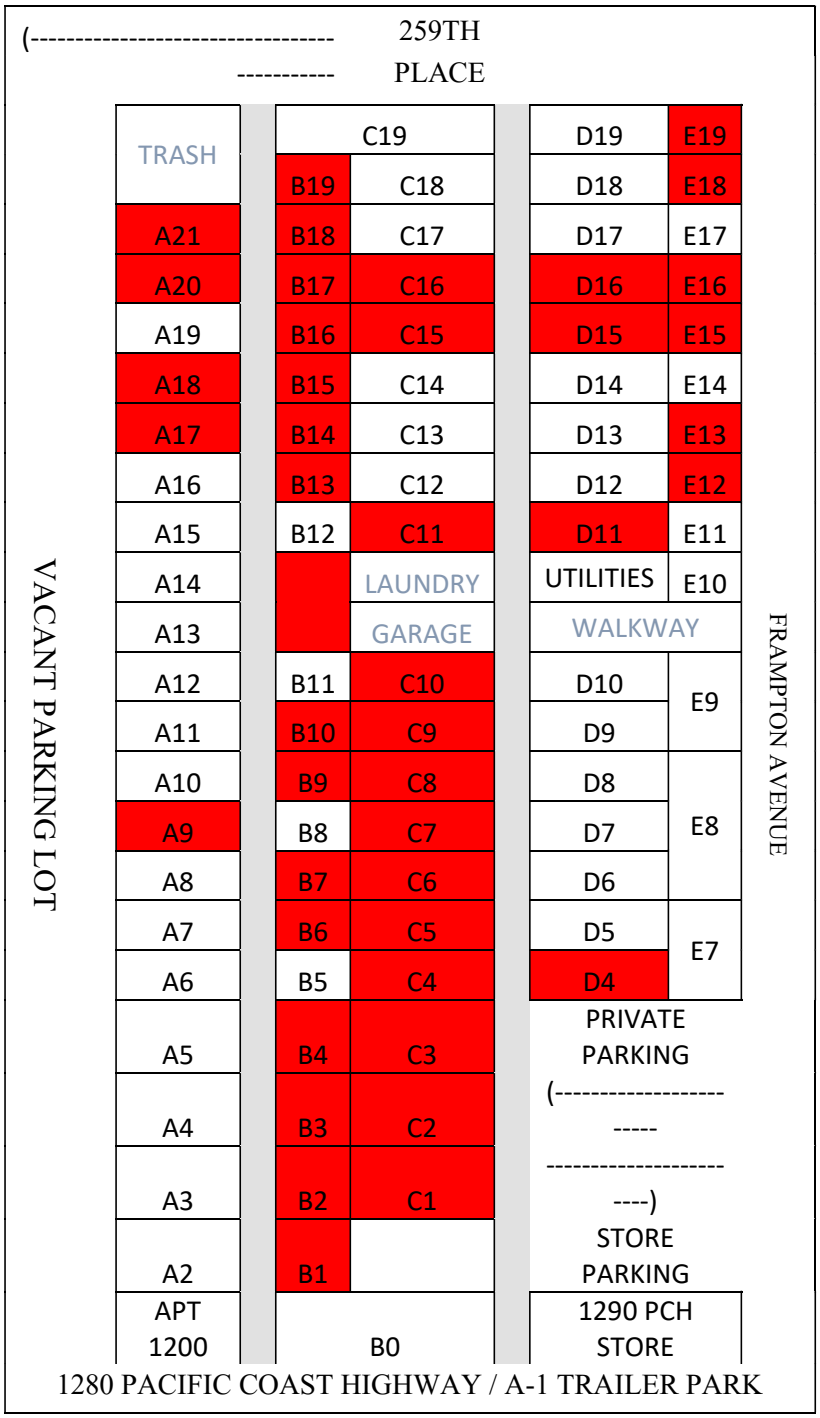

Figure 8. Map of the A-1 Trailer Park showing vacant trailer lots (40 total) highlighted in red (A-1-Trailer Park).

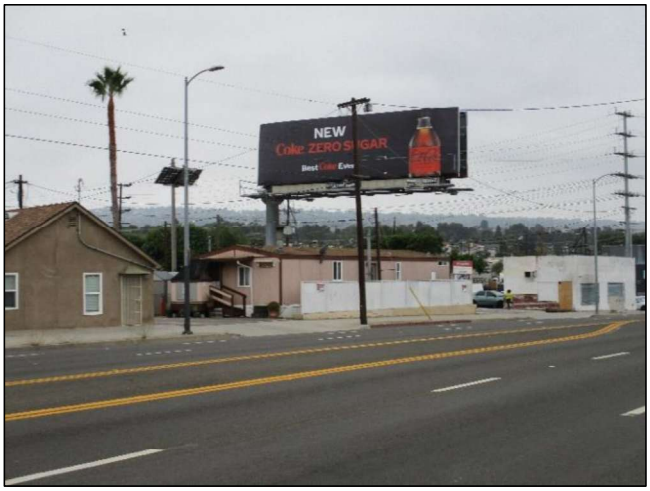

Figure 9. Primary elevation (north) of A-1 Trailer Park, southwest view along Pacific Coast Highway



Figure 10. West side of subject property, looking southeast. Contextual photo looking southeast along Frampton Avenue, the western property boundary



Figure 11. Contextual photo, looking south at a row of manufactured dwellings from the front of the subject property



Figure 12. Contextual photo, looking north at the easternmost row taken from the rear of the subject property



Figure 13. East elevation, looking west. Example of a single-wide dwelling with porch extension

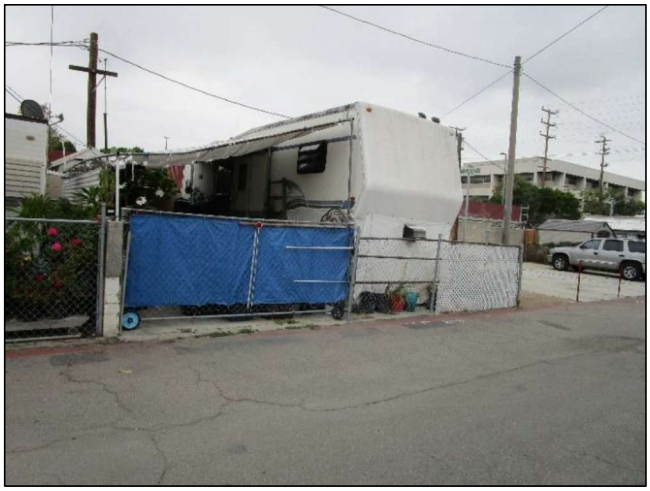

Figure 14. East elevation, looking northwest. Example of a camper



Figure 15. Looking east. Example of a vacant lot with only the base of the utility room remaining in the northeast corner



Figure 16. West elevation, looking northeast. Circa 1950s laundry room and storage building

Other Ancillary Buildings

Former Sales Office (Circa 1953)

The former sales office (1270 Pacific Coast Highway) is a one-story, front gabled building with a rectangular plan (see Figure 17). Non-original rough textured stucco finishes exterior surfaces and fenestration includes non-original vinyl sash windows on multiple elevations. A small awning shelters a wood front door entrance with a security door on the primary north elevation. A rear garage addition in 2015 doubled the footprint of the building.



Figure 17. Primary (north) elevation of Former Sales Office, view southeast

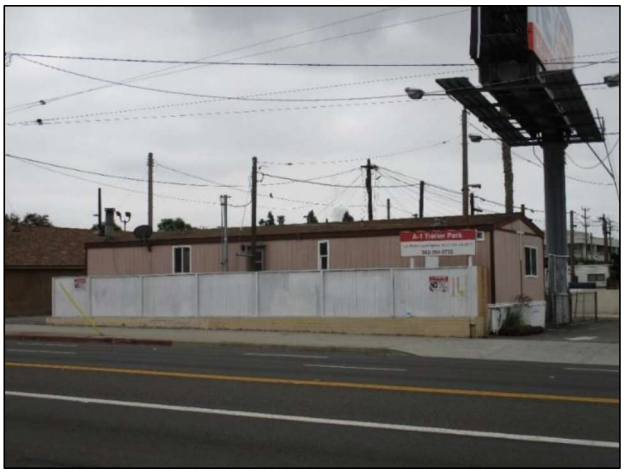

Figure 18. Primary (north) elevation, view south of the office building

Office Building (Circa 2000)

An office building dating to circa 2000 is sited along Pacific Coast Highway side of the property (see Figure 18). This is a one-story building with a side gabled roof and rectangular plan. Vertical wood board siding clads exterior surfaces. Windows are sliding vinyl sash. A four-step wood entrance leads to a wood frame entrance on the eastern side elevation. A wood fence on brick lines the street-facing elevation.

Former Retail Store and Restaurant (1946)

The former retail building (1290 Pacific Coast Highway) is one-story, on a rectangular plan, and topped by a flat roof with a raised parapet (see Figure 19). Two fixed pane metal picture windows with security bars are affixed to the fenestration on the primary elevation. An infilled and centered front door are also found on the primary elevation of the stucco clad building. Side elevations feature non-original wood door entrances, and a brick veneer extends along the east and rear elevations.



Figure 19. Primary (north) elevation, looking southeast view of the 1290 Pacific Coast Highway building (former retail building)

6.2 Project Site History

The earliest aerial photograph of the A-1 Trailer Park dates from 1932 and indicates that the Project site was a vacant lot along an unpaved Pacific Coast Highway. In 1932, the surrounding area was sparsely developed with single-family dwellings with about half the lots vacant and Machado Lake visible to the east. By 1941, the subject Project site contained shed buildings along the northern and western parcel boundary, but they appear to have been demolished when the trailer park was developed in 1946 and do not appear in the 1953 aerial map. The surrounding neighborhood had remained only partially developed by 1941, but Pacific Coast Highway had been reconfigured since 1932 to reflect its current configuration (NETR 1952; UCSB 1932, 1941).



Figure 20. Primary (north) elevation of the trailer park looking southeast at the 1946 former retail building (right), a 2000 era modular office (center), and a circa 1950s former sales office (far left)

Developer Lester N. Moore began construction of the A-1 Trailer Park at 1280 Pacific Coast Highway in 1945 on a formerly vacant lot and opened the park in 1946. Building permits associated with the property do not list an architect for the trailer park and Moore acted as the builder-contractor. A separate slim parcel paved in asphalt sits just to the east of the trailer park and serves as a parking lot for the site. The surrounding neighborhood remained sparsely developed in this period with single-family homes and roughly half the lots vacant. A commercial corridor along Pacific Coast Highway also appears to have emerged at this time. Building permits from 1945 to 1948 show that Moore constructed a series of 4-foot by 8-foot utility buildings on each trailer lot (see Figure 21). A 1952 aerial shows the three easternmost rows of the park lined with trailers, similar to their modern arrangement. Also, during 1946, Norman Hansen built a modest 20-foot by 40-foot, flat roof, stucco clad commercial building (Permit No. 86379, still extant) at the northwestern corner of the subject property. Based on building permits, the building first appears to have opened as a retail building and was converted to a retail restaurant in 1964. The businesses names are not listed in city directories and little information regarding the building's occupants could be found. In 1950, a front gabled, stucco clad sales office was constructed near the northeastern corner of the lot (Permit No. LA23985); this building is still extant but with major alterations. In this building, the subject property had a short-lived trailer sales component in addition to the existing trailer park, which existed from the early 1950s to the early 1960s (City of Los Angeles Department of Building and Safety 1945, 1946, 1948; NETR 1952, 1953, 1963; UCSB 1960; San Pedro News-Pilot 1945, 1946).

The first aerial photography featuring the trailer park was taken in 1952. This aerial photography shows a neighborhood that was largely developed. In an aerial photograph from the following year, 1953, the subject property consists of a 20-foot by 40-foot foot 1946-era building (Permit No. 86379, still extant) at the northwestern corner of the property, a sales office at the northwest corner of the property, and three rows of trailers on the east end of the property. In the 1952 aerial, Frampton Avenue had yet to be paved, but paving appears by a later 1953 map (NETR 1952, 1953; City of Los Angeles Department of Building and Safety 1946).

The next available aerial image from 1960 shows the construction of an additional two rows of trailers on the western end of the subject property; these rows appear completed by the 1962 aerial and brought the total number of rows in the trailer park to five. By the early 1960s, the surrounding neighborhood was completely built out with the emergence of large commercial buildings along Pacific Coast Highway (UCSB 1960, 1962).



Figure 21. A 1940s era utility room stands on a now vacated trailer lot

Beyond the intermittent replacement of mobile homes on the subject property over the decades, the trailer park retained its basic configuration from the early 1960s well into the 1980s based on aerial images. A 2000 aerial image shows a former trailer site replaced with a new street facing office building at the center of the subject property, which appears to remain to the present day. Since roughly 2010, aerial images suggest the removal of many trailers on the site as evidenced by the number of vacant trailer sites. To date, 40 of the 91 trailer spaces have been vacated since the park was at full capacity in the 1990s (see Figure 22). In addition, the 1950 former sales office had a circa 2015 rear addition that doubled the building in size. Beyond the 47 vacant lots on the site, the style of trailer currently occupying the subject property is a mix of 8-foot-wide post-World War II trailers, more permanent single-wide trailers with extensions, and newer motorhomes (NETR 1980, 1994, 2000, 2005, 2010).

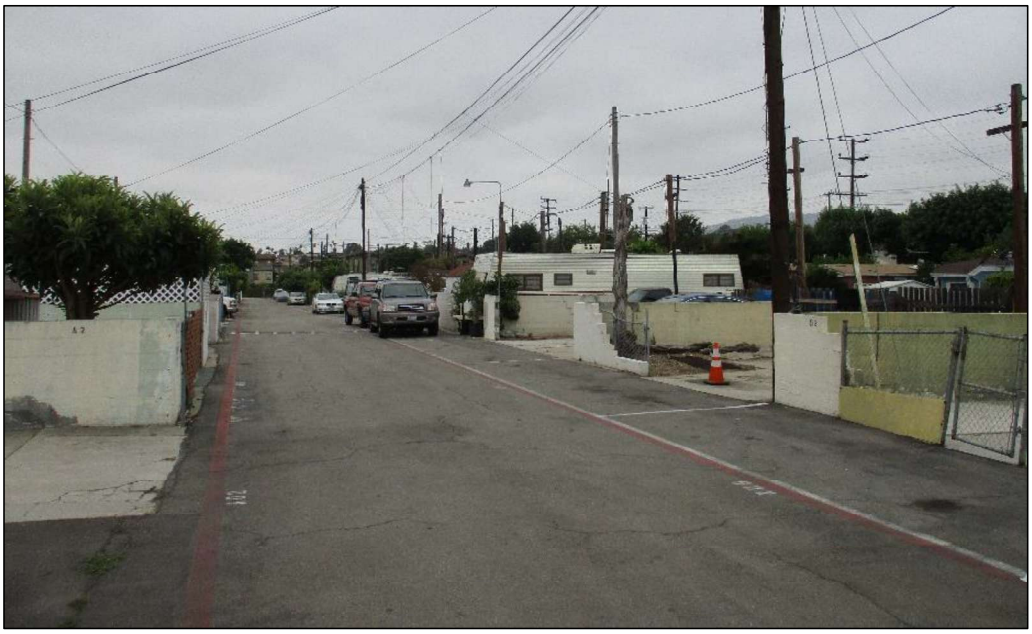

Figure 22. Contextual photo of trailer park's easternmost trailer row facing south. Vacant trailer lots can be seen in the foreground.

Building Permits and Identified Alterations

On September 1, 2021, Dudek obtained building permits and records through the Online Building Records website (https://ladbsdoc.lacity.org/) filed after 1946 (the original date of the construction) for parcels within the Project site (APNs 7411-019-016 and 7411-020-039) for new construction, demolition, alteration, and additions. Observed alterations are also included in this section, and dates stated if known:

- 1945. Construction of eight 4-foot by 8-foot utility rooms for $200. (Permit No. 84936)
- 1946. Construction of a 20-foot by 40-foot retail building (now 1290 Pacific Coast Highway) for $5,000. (Permit No. 86379)
- 1947. Construction of 4-foot by 8-foot utility rooms for $200. (Permit No. 85990)
- 1948. Construction of 4-foot by 8-foot utility rooms for $200. (Permit No. 7080)
- 1949. Construction of 32 4-foot by 8-foot utility rooms for $4939. (Permit No. 906)
- 1959. Sign addition for $1,350 (Permit No. LA26236)
- 1964. Restaurant conversion for 1290 Pacific Coast Highway building (Permit No. 30546)
- 1970. Auto-sale conversion for 1290 Pacific Coast Highway building (Permit No. 44123)
- 1979. Door alteration to 1290 Pacific Coast Highway building for $300 (Permit No. 61405)
- 2015. Office conversion to 1290 Pacific Coast Highway building (Permit No. B15VN03776)

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7 Significance Evaluation

In order to determine if the proposed Project will affect historical resources under CEQA, the A-1 Trailer Park property (1280 Pacific Coast Highway) within the Project site was evaluated for listing in the NRHP and CRHR, as well as for designation as an HCM, using the established criteria and aspects of integrity. Components of the A-1 Trailer Park addressed in the evaluation below include all buildings and structures on the subject property: four permanent, historic age buildings and the mobile homes of an undetermined age. The contexts, themes, and sub-themes discussed below were drawn from the Los Angeles Citywide Historic Context Statement. Historic contexts are those patterns or trends in history by which a specific property is understood. The significance of a property must be evaluated within its historic context(s).

National Register of Historic Places/California Register of Historical Resources/City of Los Angeles Statement of Significance

The A-1 Trailer Park property (1280 Pacific Coast Highway; APNs 7411-019-016 and 7411-020-039) does not meet any of the criteria for listing in the NRHP, CRHR, or the City of Los Angeles HCM List, either individually or as part of an existing historic district, based on the following significance evaluation.

Criterion A/1/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

The context in the Los Angeles Citywide Historic Context Statement considered under this criterion is Multi-Family Residential Development, specifically the theme of Trailer Parks and Mobile Homes. As a trailer park property developed in the mid-1940s, A-1 Trailer Park is associated with the trend of postwar mobile home parks and the larger trend of postwar multifamily development. The subject property represents one of many similar trailer parks that emerged in the 1940s and early 1950s that exhibit a simple, utilitarian design devoid of amenities found in trailer parks and mobile home parks built after the mid-1950s. As a common example of its type, the A-1 Trailer Park did not play an important role in the overall trend of postwar trailer home or multifamily developments and the subject property is not linked to a development innovation. Research also did not suggest the subject property is associated with more specific events or patterns of events that have historical significance in Harbor City or greater Los Angeles. For these reasons, the subject property at 1280 Pacific Coast Highway does not appear significant under NRHP Criterion A, CRHR Criterion 1, and LA HCM Criterion 1.

Criterion B/2/2: That are associated with the lives of persons significant in our past.

To be eligible under NRHP Criterion B, CRHR Criterion 2, and LA HCM Criterion 2, the subject property would need to be directly associated with a person considered historically significant at the local, state, or national level. Lester N. Moore first developed the subject property in 1946 as A-1 Trailer Park, but research did not show him developing other trailer parks or residential developments and he appears to have been a small-scale developer. No further information could be found about the life and work of Lester N. Moore. This indicates he was not a historic personage. Newspaper.com and directory research did not reveal other individuals connected to this property who may have been important individuals to local history. Based on the research conducted on the area's history, a reasonable likelihood does not exist that additional information will identify a historically significant person associated with the subject property. For these reasons, the subject property at 1280 Pacific Coast Highway does not appear significant under NRHP Criterion B, CRHR Criterion 2, and LA HCM Criterion 2.

Criterion C/3/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The subject property at 1280 Pacific Coast Highway was constructed in 1946 and is typical of low-cost trailer parks built after World War II to accommodate the increasing housing demand. By their nature, the trailer parks of the 1940s and early 1950s were very utilitarian and did not have many features. Though minimal, these trailer parks could be characterized by lots for trailers, utility rooms, signage, and ancillary support buildings. The subject property does not exhibit a substantial number of these character-defining features. Of the 91 lots, 40 are used for campers and motorhomes, not the trailer types they were designed for. At least 39 lot utility rooms have been demolished. There is no original signage. With the absence of character-defining features, the property does not convey significance as an example of the 1940s/1950s trailer park property type. For these reasons, the subject property does not appear to meet NRHP Criterion C, CRHR Criteria 3, and LA HCM Criterion 3.

Criterion D/4/4: That have yielded, or may be likely to yield, information important in prehistory or history.

The property is not significant under Criterion D of the NRHP, Criterion 4 of the CRHR, or LA HCM Criterion 4 as a source, or likely source, of important historical information, nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

As the property is not significant under any of the NRHP criteria, the integrity of the property does not require examination. It is worth noting, however, that the property lacks integrity as a whole. The A-1 Trailer Park no longer retains integrity of design, materials, and workmanship due to numerous alterations on the site that include the following:

- Alterations to street-facing permanent buildings, including the recladding, replacement windows, and rear addition to the "1270" building in the northwestern corner of the property
- Vacancy of 40 of the 91 lots with a preponderance of non-permanent dwelling types like campers and motorhomes
- Demolition of at least 39 lot utility rooms dating to the initial development of the property (1940s and 1950s)
- Removal of original signage

With the material alteration and demolition of buildings and ancillary structures such as utility rooms, the original workmanship is lost. The property retains its original location. While individual building and units have experienced alterations, the overall layout of the trailer park has remained the same since a western expansion of the site in 1960; however, the integrity of design is diminished overall with the loss of original components of the trailer park plan. The surrounding area, especially around Pacific Coast Highway, has remained a business commercial corridor going back to the 1940s; therefore, integrity of setting is largely intact. The trailer park continues to convey its use and is easily recognizable for the purpose it has served; thus, integrity of feeling is intact. The property is not significant under Criteria A or B and is not associated with an important historic event or person. Therefore, this aspect of integrity does not apply, as there is no historic association. While the property does retain some elements of integrity, the loss of workmanship and materials results in a property that does not retain the requisite integrity for designation and does not rise to the level of significance required for designation at the national, state, or local levels.

8 Findings and Conclusions

8.1 Summary of Findings

No historical resources were identified within the Project site as a result of the extensive archival research, field survey, and property significance evaluation. The A-1 Trailer Park property located at 1280 Pacific Coast Highway (APNs 7411-019-016 and 7411-019-020) does not appear eligible for NRHP, CRHR, or City of Los Angeles designation due to a lack of significant historical associations, architectural merit, and physical integrity. Therefore, the subject property is not considered a historical resource for the purposes of CEQA. Further, no potential indirect impacts to historical resources were identified. The Project would not have a significant effect on the environment and therefore no mitigation is needed.

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Appendix A

Preparer's Qualifications

Sarah Corder, MFA

SENIOR ARCHITECTURAL HISTORIAN



Sarah Corder (*SARE-uh COR-der; she/her*) is an architectural historian with 17 years' experience throughout the United States in all elements of cultural resources management, including project management, intensive-level field investigations, architectural history studies, and historical significance evaluations in consideration of the California Register of Historical Resources (CRHR), the National Register of Historic Places (NRHP), and local-level evaluation criteria. Ms. Corder has conducted hundreds of historical resource evaluations and developed detailed historic context statements for a multitude of property types and architectural styles, including private residential, commercial, industrial, educational, and agricultural properties. She has also provided expertise on numerous projects requiring conformance with the Secretary of the Interior's Standards for the Treatment of Historic Properties.

Ms. Corder meets the Secretary of the Interior's Professional Qualification Standards for both Architectural History and History. She has experience preparing environmental compliance documentation in support of projects that fall under the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA), and Sections 106 and 110 of the National Historic Preservation Act.

Education

Savannah College of Art and Design
MFA, Historic Preservation, 2004

Bridgewater College
BA, History, 2002

Professional Affiliations

National Trust for Historic Preservation

Los Angeles Conservancy

California Preservation Foundation

Society for Architectural Historians

Project Experience

Development

Pacific Coast Commons Specific Plan Project, City of El Segundo, Los Angeles County, California. Dudek was retained by the City of El Segundo to complete a cultural resources technical report for the Fairfield Inn & Suites property (525 Sepulveda Boulevard) within the Pacific Coast Commons Specific Plan Project area. Dudek evaluated the Fairfield Inn & Suites property and found it not eligible for listing in the NRHP, CRHR, or at the local level due to a lack of significant historical associations, architectural merit, and physical integrity. Responsibilities included archival research, architectural field survey, and co-authorship of the technical report. (2020)

The Enclave at Ivanhoe Ranch Project, Rancho San Diego, San Diego County, California. Dudek was retained by the applicant to complete a Historical Resources Technical Report (HRTR) in support of a residential development project totaling approximately 121.9 acres in unincorporated San Diego County. The project site includes the Ivanhoe Ranch, an historic-era complex of horse ranch buildings and accompanying residences located at 3256, 3261, 3263, 3267, and 3269 Ivanhoe Ranch Road. The Ivanhoe Ranch was evaluated for historical significance in consideration of potential impacts to historical resources under CEQA, the County of San Diego Historic Preservation Ordinance, and County of San Diego Resource Protection Ordinance. The Ivanhoe Ranch was recommended eligible under NRHP, CRHR and County of San Diego Criteria B/2/2 and C/3/3 for its association with important historical figure John P. Scripps, architectural merit, and association with master designer Cliff

May. A detailed impacts assessment with associated protective mitigation was included in the HRTR. Responsibilities included archival research and co-authorship of the report. (2020)

8850 Sunset Boulevard Project, City of West Hollywood, Los Angeles County, California. Dudek was retained by the City of West Hollywood to complete a Cultural Resources Technical Report and Environmental Impact Report (EIR) for the 8850 Sunset Boulevard Project. The proposed project consisted of the demolition of existing buildings and the construction and operation of a new mixed-use hotel and residential building on a property along the south side of Sunset Boulevard, extending the full city block between Larrabee Street and San Vicente Boulevard, in the City of West Hollywood. Built environment work included a pedestrian survey of the project site by a qualified architectural historian; building development and archival research; development of an appropriate historic context for the project site; and evaluation of four commercial properties for historical significance and integrity in consideration of NRHP, CRHR, and City of West Hollywood Cultural Heritage Preservation Ordinance designation criteria. Responsibilities included archival research, field survey, significance evaluations, and co-authorship of the report. (2020)

740-790 East Green Street Mixed-Use Project, City of Pasadena, Los Angeles County, California. The proposed project involves the demolition of five commercial buildings in order to accommodate the development of a new three- to six-story mixed-use building. Dudek prepared a cultural resources technical report that included the results of a pedestrian survey of the project site by a qualified architectural historian, building development and archival research, development of an appropriate historic context for the project site, and recordation and evaluation of five commercial properties over 45 years old for historical significance and integrity in consideration of NRHP, CRHR, and City of Pasadena designation criteria and integrity requirements. Responsibilities included archival research, field survey, and co-authorship of the report. (2020)

Enlightenment Plaza/Juanita Avenue Project, Los Angeles, Los Angeles County, California. The applicant retained Dudek to complete a historical resources evaluation report for the project that proposes to demolish buildings on four parcels to develop 400–500 units of housing dedicated to permanent supportive housing for formerly homeless individuals. Served as a senior architectural historian on the project and performed archival research. As a result of extensive archival research, field surveying, and property significance evaluations, all six built environment resources on the project site appear not eligible; however, the adjacent building located at 307 North Madison Avenue appears eligible as a Los Angeles Historic Cultural Monument under Criterion 3, for being an excellent example of a Quonset hut building type. Responsibilities included archival research and project oversight. (2020)

Historic Resource Assessment for 9000 Dicks Street, City of West Hollywood, California (2020). Dudek was retained by 9000 Dicks Street Capital LLC to complete an Historic Resource Assessment (HRA) for a residential property located at 9000 Dicks Street in West Hollywood, California. The Spanish colonial revival residence was built in 1926. As a result of Dudek's study, the property at did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, and co-authorship of the HRA.

Historic Resource Assessment for 9004 Dicks Street, City of West Hollywood, California (2020). Dudek was retained by 9004 Dicks Street Capital LLC to complete an HRA for a residential property located at 9004 Dicks Street in West Hollywood, California. The Spanish Colonial Revival residence was built in 1924. As a result of Dudek's study, the property at did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, and co-authorship of the HRA. (2020)

Historic Resource Assessment for 1223-1225 North Ogden Drive, City of West Hollywood, California (2020). Dudek was retained by 1223 Ogden, LLC to complete an HRA for a multi-family property with four buildings located at 1223-1225 North Ogden Drive in the City of West Hollywood, California. The Spanish Colonial Revival-style bungalow court was built in 1923. As a result of Dudek's study, the property at 1223-1225 North Ogden Drive did not appear eligible for the NRHP, CRHR, or as a locally significant resource, due to a lack of significant historical associations, architectural merit, and compromised integrity. Responsibilities included project management, archival research, significance evaluation, response to City comments, field survey, and co-authorship of the HRA. (2020)

Historic Structures/Sites Report, Confidential Residential Conformance Review Project, Confidential Client, Santa Barbara, California. Dudek was retained by a private construction company to prepare a Historic Structures/Site Report (HSSR) for a Spanish colonial revival estate built in the 1920s located in Santa Barbara, California. Dudek conducted archival research and an intensive-level pedestrian survey of the property for historic built environment resources. As part of this study, Dudek prepared a Phase 1 HSSR for the property that included a historic context statement and significance evaluation and a Phase 2 HSSR that provided a detailed impacts analysis and Secretary of the Interior's standards conformance review for the construction of a new garage on the historic property. Responsibilities included project management, primary authorship of the report, archival research, evaluation of the property, field work, attendance at Historic Landmarks Commission meetings, design guidance to the construction company and architecture firm, and preparation of an Secretary of the Interior's standards conformance review of the design of the proposed garage. (2018–2020)

Modelo Project EIR, City of Commerce, Los Angeles County, California. Dudek was retained by the City of Commerce to complete a cultural resources technical report and accompanying EIR for the proposed Modelo Project. The project involved the demolition of the existing Veterans Memorial Park (which is currently in an advanced state of disrepair) and an adjacent vacant parcel and the redevelopment of the project site to accommodate a mixed-use development. Built environment work included field survey, building and structure descriptions, archival research, integrity assessments, and significance evaluations. The park was found ineligible for listing in the NRHP, CRHR, or as a locally significant resource due to a lack of significant historical associations or architectural merit. Responsibilities included co-authorship of the report. (2019)

Baseline and Tamarind Warehouse Project, City of Rialto, California. The project includes the proposed construction of an approximately 156,500-square-foot, one-story warehouse building on an approximately 8.01-gross-acre property located in the northwest part of the City of Rialto. Dudek prepared a cultural resources technical report and no resources were identified within the project site as a result of the California Historical Resources Information System (CHRIS) records search, Native American coordination, or intensive pedestrian survey. The study included evaluation of several single-family residences. All properties were found not eligible. Responsibilities included archival research, building evaluations, field survey, and co-authorship of the report. (2018)

Blue Diamond Growers A Street Annex Project, City of Sacramento, California. Dudek was retained by Dreyfuss and Blackford Architecture to prepare a cultural resources evaluation for the proposed demolition of the A Street Annex building constructed in 1926 and currently located on the Blue Diamond Growers Complex in Sacramento. Responsibilities included architectural history field survey, building permit research, background research, preparation of State of California Department of Parks and Recreation Series 523 Forms (DPR forms) for the evaluation of built resources, and co-authoring the cultural resources report. (2018)

Carol Kimmelman Sports and Academic Center Project, City of Carson, California. Dudek was retained to conduct a cultural resources study on the Victoria County Golf Course and associated recreation buildings for the proposed Kimmelman Sports and Academic Center. Conducted a record search, a pedestrian survey, archival and building development research, NRHP and CRHR evaluations, and impacts analysis. All golf course components associated with the Victoria County Golf Course were found not eligible under designation requirements. (2018)

Eldredge Property (Farmstead) Project, City of Vacaville, California. The proposed project consists of development of 130 residential lots on 15.82 acres along with 4.75 acres dedicated for a park and trail uses and project access roads and sidewalks. The City of Vacaville retained Dudek to complete a cultural resources study that involved completion of a CHRIS records search, archival research, a pedestrian survey of the project area, and documentation/evaluation of a large block of farmland, including numerous buildings and structures located at 369 North Orchard Avenue in consideration of the NRHP, CRHR, and city designation criteria. Responsibilities included archival research, significance evaluations, and co-authorship of the report. (2018)

HRA for 852-854 Westmount Drive, Metros Capital LLC, City of West Hollywood, California. Dudek was retained to complete an HRA for a multifamily residential property located at 852-854 Westmount Drive in the City of West Hollywood, California. The Spanish Colonial Revival-style duplex was built in 1924. The property appeared not eligible for the NRHP, CRHR, or City of West Hollywood register due to a lack of significant historical associations and architectural merit and compromised integrity. Responsibilities included archival research and co-authorship of the report. (2018)

Victoria Greens Project, City of Carson, Los Angeles County, California. Dudek was retained by the City of Carson Planning Division for a cultural resource inventory of three parcels at the intersection of Central Avenue and Victoria Street. Responsibilities included field survey, building permit research, background research, preparation of DPR forms, and authoring the cultural resources report. (2018)

Birch Specific Plan 32-Unit Condo Project, City of Carson, California. Dudek was retained by the City of Carson to prepare a cultural resources report for a project that proposes to demolish approximately 6,200 square feet of existing residential buildings and roughly 5,850 square feet of pavement on the project site and construct a 32-unit residential condominium community with on-grade parking, landscaping, and other associated improvements. The historical significance evaluation included three residential properties proposed for demolition. All properties were found not eligible under all designation criteria and integrity requirements. Responsibilities included field survey, archival research, and co-authoring the report. (2018)

The 1431 El Camino Real Project, City of Burlingame, San Mateo County, California. The City of Burlingame proposes to demolish an existing four-unit (two-story) apartment building at 1431-1433 El Camino Real along with the detached five-car garage structure at the rear and construct a new six-unit (three-story) townhouse complex. The property was constructed in 1947 and required evaluation for historical significance. Because the property required a California Department of Transportation (Caltrans) encroachment permit, a Caltrans-compliant Historical Resources Compliance Report was prepared. Dudek also had to address impacts to an NRHP-listed tree row within the project area. Responsibilities included background research, building permit research, co-authorship of the report, and preparation of DPR forms. (2017)

Duke Fontana Warehouse Project, City of Fontana, California. Dudek was retained by the City of Fontana to conduct a cultural resources study for the proposed Duke Fontana Warehouse Project. The proposed project would include construction of a 288,215-square-foot (gross), one-story industrial/warehouse building on an approximately 13.45-acre site at the intersection of Santa Ana Avenue and Oleander Avenue. As part of the cultural resources study, Dudek evaluated 8 residential properties over 45 years old for historical

significance. The resources were found not eligible under all designation criteria and integrity requirements. Responsibilties included archival research, significance evaluations, co-authorship of the report, and preparation of DPR forms. (2017)

Pacific Freeway Center Project, City of Fontana, California. Dudek was retained by the City of Fontana to conduct a cultural resources study for the proposed Pacific Freeway Center Project. The project would include construction and operation of two "high cube" warehouse/distribution/logistics buildings with associated office spaces, surface parking, and loading areas. As part of the cultural resources study, Dudek evaluated the former Union Carbide Site for historical significance. The resource was found not eligible under all designation criteria and integrity requirements. Responsibilties included archival research, significance evaluations, co-authorship of the report, and preparation of DPR forms. (2017)

Yosemite Avenue-Gardner Avenue to Hatch Road Annexation Project, City of Merced, Merced County, California. Dudek was retained to prepare a historic resource significance evaluation of a single-family residence/agricultural property within the proposed project site. The project proposes to annex 70 acres from Merced County to the City of Merced and to construct and operate the University Village Merced Student Housing and Commercial component on an approximately 30-acre portion of the project site. No development is proposed on the remaining 40 acres. The evaluation found the property not eligible under all NRHP and CRHR designation criteria. Responsibilities for the project included archival research. (2017)

Village 3 HomeFed Otay Park Swap, Otay Ranch, Chula Vista, California. Dudek was retained to prepare a Constraints Analysis for the development of approximately 100 acres of land south of the Otay River as an active recreation site. Responsibilities included background research and assistance in the preparation of the historic context for the report. (2017)

Education

Integrity Assessment and Comparative Analysis for Confidential Education Project, Confidential Client, Santa Barbara, California. Dudek prepared a memorandum that provides a comparative analysis and detailed account of alterations made to a confidential educational property located in the City of Santa Barbara, California. This analysis was designed to facilitate future significance evaluations with regard to the property's physical integrity and architectural merit. Responsibilities included project management, field survey, archival research, and preparation of the technical memorandum. (2019-2020)

Campus-wide Historic Context Statement for California State University Long Beach, California State University Long Beach Office of Physical Planning and Sustainability, California. Dudek was retained by the California State University (CSU) Long Beach Office of Physical Planning and Sustainability to prepare a campus-wide historic context statement in order to better understand the important historical themes and potentially significant historic built environment resources that exist on campus. This study included completion of extensive archival research at relevant local data repositories on the history of campus development, as well as correspondence and interviews with architects from the campus's potential period of significance. It also included completion of a detailed historic context statement for CSU Long Beach that examined campus development and building design, landscape design, and the architects and landscape architects that have contributed to the campus over time. Responsibilities included field survey, archival research, and the development of a historical context for the campus. (2019)

San Francisco State University Master Plan EIR, San Francisco State University, City of San Francisco, California. Dudek was retained to evaluate all buildings and structures on campus over 45 years old that were proposed for demolition or substantial alteration as part of the proposed Master Plan Program. The study entailed conducting archival and building development research, a records search, detailed impacts assessment, and development of

mitigation measures for project conformance with the Secretary of the Interior's Standards for Rehabilitation. Responsibilties included field survey leadership, archival research, evaluation of built evaluation of built environment resources, co-authorship of the technical report, and preparation of DPR forms. (2019)

CSU Chico College Park Demolition Project, CSU Chico, Butte County, California. Dudek was retained by CSU Chico to complete a cultural resources study for a project that proposes demolition of 10 single-family residences near the CSU Chico campus. The study involved completion of a CHRIS records search; a pedestrian survey of the project area for built-environment resources; archival and building development research for each property; outreach with local libraries, historical societies, and advocacy groups; and a historic context and evaluation of 10 properties for historical significance. Responsibilities included co-authorship of the technical report, evaluation of built environment resources, field survey, archival research, and preparation of DPR forms. (2018)

John Adams Middle School Auditorium Replacement Project, Santa Monica-Malibu Unified School District, City of Santa Monica, California. The district retained Dudek to write the Final Mitigated Negative Declaration for the John Adams Middle School Auditorium Replacement Project. The project proposed to demolish the existing auditorium and music building and replace them with a new performing arts center. Responsiblities included field survey, archival research, and co-suthorship of the technical report. (2018)

Castilleja School Project, City of Palo Alto, California. Dudek was retained by the City of Palo Alto to conduct a cultural resources study for the Castilleja Master Plan and Conditional Use Permit project. The study included a historical significance evaluation of the campus and related buildings and structures. Responsibilities included field survey, background research, preparation of DPR forms for the evaluation of built resources, and co-authorship of the cultural resources report. (2017)

CSU Chico Siskiyou Hall Project, CSU Chico, Butte County, California. Dudek was retained by CSU Chico to complete a historic resources technical report for Siskiyou Hall. The study involved a pedestrian survey of the project area for built-environment resources, conducting archival and building development research, and completing a historic context and evaluation of the property for historical significance. Responsibilities included field survey, contributions to the technical report, and archival research. (2017)

Elkus Ranch Master Plan Project, University of California, Davis, San Mateo County, California. Dudek was retained by University of California, Davis, to complete a historic resources study for the Master Plan of the University's Elkus Ranch property. This study involved a pedestrian survey of the project area for built-environment resources and recordation and evaluation of all historic age buildings in consideration of NRHP designation criteria and integrity requirements. Responsibilities included field survey, building permit research, background research, evaluation of built environment resources, and co-authorship of the technical report. (2017)

Fullerton College Facilities Master Plan Program EIR, North Orange County Community College District, City of Fullerton, California. The district contracted Dudek to evaluate all buildings and structures on campus over 45 years old that were proposed for demolition or substantial alteration as part of the proposed Master Plan Program. The study entailed conducting archival and building development research, a records search, detailed impacts assessment, and development of mitigation measures for project conformance with the Secretary of the Interior's's Standards for Rehabilitation. As a result of the significance evaluation, three historic districts and one individually eligible building were identified within the project area. Responsibilties included archival research, field survey, and co-authorship the technical report. (2017)

Energy

Confidential Solar Project, Confidential Client, California. Dudek was retained to prepare a historic resources evaluation for historic age irrigation canals. This study involved recordation and evaluation of all historic age canals in consideration of NRHP and CRHR designation criteria and integrity requirements. Responsibilities included background research, preparation of DPR forms for the evaluation of built resources, and co-authoring the historic resources evaluation report. (2018)

Fall River Gun Club Project, Pit 1 Hydroelectric Project (FERC NO. 2687), Pacific Gas & Electric Company, Fall River Mills, California. Dudek was retained to complete a historic resource evaluation for a project that is guided by a Historic Properties Management Plan. This study involved a pedestrian survey of the project area for built-environment resources and recordation and evaluation of all historic age buildings in consideration of NRHP designation criteria and integrity requirements. Responsibilities included architectural history field survey, building permit research, background research, and co-authoring the historic resources report. (2017)

Healthcare

St. Joseph's Hospital Master Plan Project, Stockton, California. Dudek was retained by the Devenney Group Ltd. to prepare a historical resources inventory and evaluation report in support of the St. Joseph's Master Plan Project for the applicant, Dignity Health. The project site contained four properties: 1800 North California Street and 542 McCloud Avenue (St. Joseph's Medical Center), 534 East Maple Street, 425 East Harding Way, and 445 East Harding Way in the City of Stockton, California. The report included conducting archival research, site descriptions, and historical significance evaluations and integrity assessments for resources identified within the project area. Dudek determined that none of the properties were eligible for the NRHP, CRHR, or as local landmark/structure of merit due to lack of architectural merit and compromised integrity. Responsibilities included archival research, field survey, preparation of DPR forms, and co-authorship of the report. (2020)

Municipal

Los Angeles Department of Water and Power Century Trunk Line, Los Angeles Department of Water and Power, City of Los Angeles, California. Dudek was retained by Los Angeles Department of Water and Power (LADWP) to prepare an Avoidance and Protection Plan for Air Raid Siren No. 150. The resource is eligible for the NRHP and CRHR and as a City of Los Angeles Historic-Cultural Monument under Criteria A/1/1 and C/3/3 for its association with World War II and Cold War military infrastructure, and is an historical resource under CEQA. Responsibilities included co-authorship of the Avoidance and Protection Plan, on-site implementation of protection measures, on-site monitoring, and pre-construction field survey, (2020–Present)

Mira Mesa Community Plan Area Historic Context Statement and Focused Reconnaissance Survey, City of San Diego Planning Department, California. Dudek was retained by the City of San Diego to prepare a historic context statement identifying the historical themes and associated property types important to the development of Mira Mesa, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the Mira Mesa Community Plan Area (CPA). While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between 1969 and 1990. This study was completed as part of the comprehensive update to the Mira Mesa CPA and Programmatic EIR. Served as project manager leading the survey efforts, senior architectural historian, and co-author of the historic context statement and survey reports. Also provided quality assurance/quality control (QA/QC) of survey information. (2020–Present)

University CPA Historic Context Statement and Focused Reconnaissance Survey, City of San Diego Planning Department, California. Dudek was retained by the City of San Diego to prepare a historic context statement identifying the historical themes and associated property types important to the development of University City, accompanied by a reconnaissance-level survey report focused on the master-planned residential communities within the University CPA. While the historic context statement addressed all development themes and property types within the community, the scope of the survey was limited to residential housing within the CPA constructed between the 1960s and 1990s. Served as project manager leading the survey efforts, senior architectural historian, and co-author of the historic context statement and survey reports. Also provided QA/QC of survey information. (2020–Present)

Coronado Citywide Historic Resources Inventory and Historic Context Statement, City of Coronado, California. Dudek is currently preparing a historic context statement and historic resources inventory survey for all properties at least 50 years or older within city limits. Following current professional methodology standards and procedures developed by the California Office of Historic Preservation and the National Park Service (NPS), Dudek will (1) develop a detailed historic context statement for the city that identifies and discusses the important themes, patterns of development, property types, and architectural styles prevalent throughout the city and (2) conduct a reconnaissance-level survey of all properties within city limits that are at least 50 years old to identify individual properties and groupings of properties (i.e., historic districts) with potential for historical significance under City Criterion C (properties that possess distinctive characteristics of an architectural style; are valuable for the study of a type, period, or method of construction; and have not been substantially altered). To date, Dudek has conducted a public kick-off meeting, conducted local stakeholder outreach meetings, submitted a draft historic context statement to the city for review, and began the citywide survey component of the project. Responsible for coordinating and leading the citywide field survey component of the project and will provide QA/QC for all field data and co-authorship of the final survey report. (2019–Present)

City of Coronado As-Needed Historic Research Consultant, City of Coronado, California. Dudek is currently working with the City of Coronado Community Development Department to provide historic preservation services on an as-needed basis. Services scoped under the current contract include historic resources surveys; archival research; preparation of evaluation reports in consideration of NRHP, CRHR, and City of Coronado designation criteria; attendance at Historic Resource Commission and City Council hearings; and review of projects for conformance with the Secretary of the Interior's Standards for Rehabilitation. Since January 2019, Dudek has completed 17 work orders for the city. Serves as a senior architectural historian for the tasks orders and is responsible for QA/QC of specific deliverables. (2019–Present)

Gilroy Citywide Historic Resources Inventory and Historic Context Statement, City of Gilroy, California. Dudek worked with the City of Gilroy to prepare a citywide historic context statement and update its 1986 historic resource inventory. For the purposes of this project, Dudek developed highly detailed and efficient iPad field forms that allow surveyors to record a property in less than 5 minutes and provide the city with real-time survey data. As survey lead, completed reconnaissance-level survey of over 3,400 properties on time and within budget. Also served as a senior architectural historian for the project and co-authored the historic context statement, attended the public kick-off meeting, prepared DPR forms, developed registration requirements, performed QA/QC on DPR forms, and worked closely with the geographic information system (GIS) team to facilitate the final digital mapping components for the project. (2018–2020)

HSSR for the Arroyo Burro Open Space Park Project, City of Santa Barbara, California. Dudek was retained by the City of Santa Barbara to prepare an updated HSSR for the Arroyo Burrow Open Space Park located within the City of Santa Barbara. The city provided Dudek with previously prepared studies of the project area, which were synthesized as part of the updated study. In addition, Dudek conducted supplemental archival research on the

property and conducted an updated intensive-level pedestrian survey of the property for both archaeological and historic built environment resources. One historic built environment resource, the Veronica Springs Medicinal Water Company, was found not eligible under all NRHP, CRHR, and city designation criteria due to a lack of integrity. Responsibilities included archival research and co-authorship of the report. (2018)

San Diego Dam and Reservoir Citywide Inventory, City of San Diego Public Utilities Department, California. Dudek was retained to prepare a historic context statement and evaluate 10 dam complexes and a flume for the San Diego Public Utilities Department. A detailed historic context was developed after extensive archival research efforts and resources were evaluated for historical significance in consideration of NRHP, CRHR, and City of San Diego designation criteria and integrity requirements. The project also required pedestrian survey of all facilities. Dudek then prepared detailed impacts assessments for proposed modifications to the Dulzura Conduit, Lower Otay Dam, and Morena Dam. Responsibilties included archival research, co-authorship of the historic context statement, preparation of DPR forms, assisting in the creation of a public brochure, and primary authorship of multiple dam significance evaluations. (2017–2020)

The Santa Monica City Yards Master Plan Project, City of Santa Monica, California. The City of Santa Monica retained Dudek to complete a cultural resources study for the proposed City Yards Master Plan project site located at 2500 Michigan Avenue. The study involved evaluation of the entire City Yards site, including two murals and a set of concrete carvings, for historical significance and integrity. As a result, the City Yards and its associated public art work was found ineligible under all designation criteria. Responsibilities included building permit research and co-authorship of the technical report. (2017)

LADWP West Los Angeles District Yard Project, City of Los Angeles, Los Angeles County, California. Dudek was retained by LADWP to complete a cultural resources study for a project that proposes demolition of five LADWP-owned administrative buildings and warehouses at the West Los Angeles District Headquarters located at 12300 West Nebraska Avenue. Dudek evaluated the yard for historical significance in consideration of NRHP, CRHR, and City of Los Angeles Historic-Cultural Monument criteria and integrity requirements. Responsibilities included field survey and archival research. (2017)

State of California

Historical Resource Evaluation for the Normal Street Department of Motor Vehicles, State of California Department of General Services, San Diego, California. Dudek was retained to complete an HRTR for a project that proposes demolition and replacement of the Department of Motor Vehicles building located at 3960 Normal Street in the City of San Diego. To comply with California Public Resources Code, Section 5024(b), the Department of General Services must submit to the State Historic Preservation Officer (SHPO) an inventory of all structures over 50 years of age under their jurisdiction that are listed in or that may be eligible for inclusion in the NRHP, CRHR, and California Historical Landmark. The Department of Motor Vehicles was found not eligible. Responsibilities included archival research and co-authorship of the HRTR. (2017)

Historical Resource Evaluation Report for the Figueroa Division Courthouse, Judicial Council of California, City of Santa Barbara, California. Dudek was retained by the Judicial Council of California (JCC) to prepare an evaluation of the Figueroa Division Courthouse building, located at 118 East Figueroa Street in the City of Santa Barbara, California. The Figueroa Division Courthouse was found not eligible for designation under all applicable criteria. Responsibilities included co-authorship of the technical report and archival research. (2017)

Historical Resource Evaluation Report for the Santa Monica Courthouse, JCC, City of Santa Monica, California. Dudek was retained by the JCC to prepare an evaluation of the Santa Monica Courthouse building, located at 1725 Main Street in the City of Santa Monica, California. The Santa Monica Courthouse was found not eligible for designation under all applicable criteria. Responsibilities included co-authorship of the technical report and archival research. (2017)

Transportation

Princeton Avenue Road Widening Project, City of Moorpark, Ventura County, California. Dudek was retained by Stantec and the City of Moorpark to prepare Caltrans-compliant cultural resource documentation for the Princeton Avenue Road Widening Project. The project includes approximately 0.75 miles of roadway widening and improvements, including sidewalks and bicycle lanes. Dudek prepared an ASR, HRER, and HPSR in support of this effort. Both properties were found ineligible under all designation criteria and integrity requirements. Responsibilities included background research for the required reports. (2017)

Historical Resources Assessment for the San Francisco International Airport Residential Sound Insulation Program, Cities of San Bruno and Millbrae, California. Dudek was retained by San Francisco International Airport to evaluate 28 residential properties constructed 50 years ago or more within the Cities of San Bruno and Millbrae in San Mateo County, California. These properties are proposed to receive installation of sound insulation materials as part of San Francisco International Airport's Residential Sound Insulation Program. All 28 properties were recorded and evaluated on State of California Department of Parks and Recreation Series 523 Forms for historical significance in consideration of NRHP designation criteria and integrity requirements. Responsibilities included architectural history field survey, background research, preparation of DPR forms for the evaluation of built resources, and co-authoring the cultural resources report. (2017)

Relevant Previous Experience

Other California Project Experience

Crenshaw/Los Angeles International Airport Transit Corridor Project, Terry A. Hayes Associates LLC, Los Angeles County, California. Conducted the architectural history survey and participated in the evaluation of over 100 built environment resources that may be affected by the Los Angeles County Metropolitan Transportation Authority's proposed Crenshaw/Los Angeles International Airport Transit Corridor Project. The project is approximately 8.5 miles in length and is located within the Cities of Los Angeles and Inglewood, Los Angeles County, California. Was involved in both architectural history field surveys and completion of over 100 DPR forms for the evaluation of built environment resources. The project was subsequently approved by SHPO with no comments. (2011)

East Los Angeles College Satellite Campus Project, Terry A. Hayes Associates LLC, City of South Gate, California. Conducted the architectural history survey and participated in the evaluation of built environment resources for a land development project in the City of South Gate, California. (2009)

San Gabriel Trench Grade Separation Project (Phases I, II, and III); Terry A. Hayes Associates LLC; Cities of San Gabriel, Alhambra, and Rosemead, California. Conducted the architectural history survey and participated in the evaluation of over 100 built environment resources that may be affected by the a proposed grade separation located within the Cities of San Gabriel, Alhambra, and Rosemead. The proposed project would lower a 2.2-mile section of Union Pacific Railroad tracks in the immediate vicinity of the historic Mission San Gabriel Arcángel. Was involved in both architectural history field surveys and completion of over 100 DPR forms for the evaluation of built environment resources. (2008–2010, 2011–2014)

Wetlands Pocket Park Project, City of Los Angeles Department of Public Works, Los Angeles, California. Conducted the architectural history survey and participated in the evaluation of built environment resources for the project, which was located on the site of a former rail yard for the City of Los Angeles Yellow Line. (2009)

Additional Work Experience

Sabe Preservation Consulting. Owned and operated a historic preservation consulting business in the Commonwealth of Virginia from 2004 to 2009. The bulk of the consulting work was for private property owners seeking to complete tax credit projects on their historic properties. Tax credit services offered included compliance with the Secretary of the Interior's Standards, on-site construction management, and preparation of all required documentation for the tax credit programs on the state and national level. Also performed a feasibility study for the relocation of three historic buildings within the City of Harrisonburg in 2005. The remainder of the work performed was NRHP nomination preparation. Listed the following properties on the Virginia Landmarks Register and the NRHP. (2004–2009)

David and Catherine Driver Farm, Rockingham County, Virginia. Prepared an NRHP nomination for the David and Catherine Driver Farm located in Rockingham County, Virginia. The property is an 823-acre Civil War era that included 7 historic buildings and 5 historic structures. Was responsible for all aspects of the nomination, including the architectural history field survey, background research, preparation of all survey forms for the evaluation of built resources, coordination with SHPO, preparation of historic context, preparation of archival material packets as required by the NPS and SHPO, and preparation of the NRHP nomination form. The David and Catherine Driver Farm was listed on the NRHP and the Virginia Landmarks Register in 2007.

George Chrisman House, Rockingham County, Virginia. Prepared the NRHP nomination for the George Chrisman House located in Rockingham County, Virginia. The property is a late nineteenth century farm with a limestone main house with attached kitchen, ruins of the old mill, and a pump house. Was responsible for all aspects of the nomination, including the architectural history field survey, background research, preparation of all survey forms for the evaluation of built resources, coordination with SHPO, preparation of historic context, preparation of archival material packets as required by the NPS and SHPO, and preparation of the NRHP nomination form. The George Chrisman House was listed on the NRHP and the Virginia Landmarks Register in 2006.

Old Town Historic District, City of Harrisonburg, Virginia. Prepared an NRHP nomination for the Old Town Historic District located in Harrisonburg, Virginia. The late-nineteenth and early twentieth century residential district included 387 contributing buildings, 1 contributing structure, and 62 non-contributing buildings. Was responsible for all aspects of the nomination, including the architectural history field survey, background research for all properties, coordination with state and local stakeholders, public presentations, preparation of all survey forms, entry of all survey data into the Commonwealth of Virginia historic resources database, definition of historic district boundaries, coordination with SHPO, preparation of historic context, preparation of archival material packets as required by the NPS and SHPO, and preparation of the nomination form. The Old Town Historic District was listed on the NRHP and the Virginia Landmarks Register in 2008.

Ramsay Estate, Albemarle County, Virginia. Prepared an NRHP nomination for the Ramsey Estate located in Albemarle County, Virginia. The property was an early twentieth-century farm with an elaborate architect designed main house and 15 contributing outbuildings. Was responsible for all aspects of the nomination, including the architectural history field survey, background research, preparation of all survey forms for the evaluation of built resources, coordination with SHPO, preparation of historic context, preparation of archival material packets as required by the NPS and SHPO, and preparation of the NRHP nomination form. The Ramsey Estate was listed on the NRHP and the Virginia Landmarks Register in 2004.

Whitesel Brothers Building, City of Harrisonburg, Virginia. Prepared the NRHP nomination for the Whitesel Brothers Building located in the City of Harrisonburg, Virginia. The building was an early twentieth century commercial building. Was responsible for all aspects of the nomination, including the architectural history field survey, background research, preparation of all survey forms for the evaluation of built resources, coordination with SHPO, preparation of historic context, preparation of archival material packets as required by the NPS and SHPO, and preparation of the NRHP nomination form. The Whitesel Brothers Building was listed on the NRHP and the Virginia Landmarks Register in 2004.

Owens-Thomas House Museum, Savannah, Georgia. Completed a plaster conservation project at the Owens-Thomas House in Savannah, Georgia. Responsibilities included conservation of deteriorated nineteenth century plaster and paint, management and training for the student intern program, preparation of project reports, education of staff and public, and management of all chemical and safety protocols. (2005–2006)

Specialized Training

- Practitioner's Implementation of the Secretary of the Interior's's Standards and Guidelines, 2019
- A Commissioner and Planner's Primer to the California Environmental Quality Act, CPF, 2018
- Innovative Approaches to Section 106 Mitigation, ACRA, 2018
- Crowdfunding Historic Preservation: Direct Public Offerings and Other Ways to Raise Funds, CPF, 2018
- From Nuclear Waste to Manholes – the What, Why and How of Surveys, CPF, 2018
- Historic Districts: New Processes, Secretary of the Interior's Standards for Districts, Infill Construction, Additions & ADU's, CPF, 2017
- Focus on Modernism: Design, Materials Conservation & Review, CPF, 2017
- Certified Historic Preservation Consulting Commonwealth of Virginia, 2004

Andrew Bursan, MCRP

SENIOR ARCHITECTURAL HISTORIAN

Andrew Bursan is an architectural historian and urban planner with 14 years' experience in historic preservation, historic research, report writing, land planning, and project management. Mr. Bursan has worked with the California Department of Transportation (Caltrans), Los Angeles County Metropolitan Transportation Authority, City of Pasadena, City of Santa Monica, City of Los Angeles, City of Santa Barbara, and the City of Arroyo Grande, among others. His experience includes architectural surveys, reconnaissance-level surveys, historical assessments, and extensive historical research. He has prepared historic context statements, technical reports, and impact analysis for cultural resources in environmental impact reports (EIRs). Breadth of work includes major transportation projects, intensive archival research, citywide surveys, and analysis of individual properties under the California Environmental Quality Act (CEQA), Section 106, Section 4(f), and the National Environmental Policy Act.



Education

Cal Poly – San Luis Obispo
Master of City and Regional Planning (MCRP), 2005

University of California, Los Angeles, BA, History, 2002

Relevant Previous Experience

Education

South Region High School No. 13, Los Angeles Unified School District, California. Assisted with fieldwork and wrote property descriptions. ICF prepared an initial technical report in support of environmental documentation for the proposed new South Region High School No. 13, which is subject to review under CEQA. (2010)

Historical Assessment, Brentwood School, Los Angeles County, California. Performed extensive research on the site (e.g., building permits, City directories, libraries, microfiche, Internet) and wrote a portion of the historic context. ICF prepared a historical assessment for Brentwood School because of the proposed addition of three new buildings, three interior renovations of existing buildings, and modifications to the campus grounds. ICF performed a record search of previous evaluations of Brentwood School and a site visit. (2008)

Master Plan EIR, California State University, Dominguez Hills, Carson, California. Wrote the historic background. ICF prepared an EIR for the Campus Master Plan, which was prepared in 2006 as an update to the original 1964 Master Plan to provide the university with a framework for future campus development. The Master Plan proposes new academic and student service facilities, as well as remodeled existing facilities to accommodate near-term future student enrollment of 11,000 full-time-equivalent students by 2017 and long-term student enrollment of 20,000 full-time-equivalent students by 2040. Current student enrollment is approximately 9,000 full-time-equivalent students. The EIR analyses will focus on the environmental effects of the near-term (2017) development and student enrollment levels. (2007)

Municipal

Housing and Urban Development-Neighborhood Stabilization Program 2, Section 106 Consulting Services for Housing and Urban Development, City of Lansing, Michigan. Helped conduct field survey work in the City of Lansing. Provided

the City of Lansing's development office and the Ingram County Housing Commission with research services related to Neighborhood Stabilization Program 2-funded actions in potential historic districts. (2012–2013)

Downtown Long Beach Cultural Resources Survey, City of Long Beach, California. Conducted building permit research, building description, and directory research. ICF was retained in 2009 to conduct a reconnaissance-level survey of historic properties located within the Downtown Long Beach Planned Development District constructed through 1964. The purpose of the survey was to assist the City of Long Beach in the preparation of an EIR for the downtown community plan. (2009)

Santa Monica Citywide Survey, City of Santa Monica, California. Collected permit information and conducted property research. ICF completed an intensive-level Citywide historic survey of structures built through 1968. The project involved the completion of a reconnaissance-level survey of the entire City of Santa Monica and historical context statements for the City as a whole, as well as for specific areas. There are approximately 13,600 properties with structures constructed prior to 1968 within the City of Santa Monica. The project included a more intensive survey of relevant properties following the initial reconnaissance, resulting in a DPR primary record and/or continuation sheet for each such property. The City of Santa Monica's existing historic resources inventory contains approximately 1,300 properties, derived from initial surveys (Phases I and II between 1983 and 1986, Phase III in 1993) and area updates in 1994, 1997, 2002, and 2004. The project goal is to achieve a uniform level of evaluation for the entire City of Santa Monica. (2008–2009)

Ports and Harbors

Jankovich Fueling Station Historic Resources Assessment, Port of Los Angeles, San Pedro, California. Prepared a historic resources assessment of the Jankovich Fueling Station. Research included building permits, Sanborn Map, and archival material. (2019)

Canner's Steam Plant Historic American Build Survey Documentation, Port of Los Angeles, San Pedro, California. Prepared Historic American Build Survey compliance documentation for the historic Canner's Steam Plant. (2019)

San Pedro Waterfront Project Environmental Impact Statement/EIR, Port of Los Angeles, San Pedro, California. Conducted building permit, Sanborn Map, and library research. The Los Angeles Harbor Department (LAHD), in cooperation with the U.S. Army Corps of Engineers, is proposing the San Pedro Waterfront redevelopment project, which would entail redeveloping approximately 422 acres to expand and improve the public recreational and commercial use of the waterfront area. (2008–2009)

Port Historic Initiative Inventory and Conservation Plan, Port of Los Angeles, Wilmington, California. Assisted in the archiving, organization, and rehousing of historic photographs and materials. The LAHD possesses a significant collection of historic records and materials that remain hidden at various Port facilities. The purpose of the report is to assist LAHD in the initial steps of establishing an archival repository to house its historic materials and provide access to staff and the public. It illustrates that the LAHD holds a wide array of historic records, including paper documents, news clippings, photographic material, film, artifacts, and other valuable ephemeral resources. (2009)

Transportation

Ventura County Transpiration Corridor, Ventura County, California. In conjunction with Caltrans, the County of Ventura proposed to widen Interstate 101 for 26 miles through the county. Andrew managed field survey work, oversaw and delegated tasks for the creation of a Historic Resource Evaluation Report (HRER) and Historic Structures Report as well as writing historic context. He engaged in several meeting with Caltrans for the purposes of creating an area of potential effects (APE) for the project. (2019–2021)

I-605 Corridor Improvement Project, Los Angeles County, California. Managed field survey work, performed evaluations of historic properties under CEQA and Section 106, documented tract development resources under a programmatic agreement, wrote historic context, and attended meetings regarding the historic documentation of built resources. Andrew also oversaw the creation of compliance documents for the project. (2017–2020)

California High-Speed Train, Palmdale-to-Burbank, Orange and Los Angeles Counties, California. Served as Architectural Historian. Documented hundreds of properties for National Register of Historic Places and California Register of Historic Resources eligibility, wrote California Department of Parks and Recreation (DPR) forms, historic context, and helped develop the project APE. Andrew managed junior staff to help create the EIR, Historic Property Survey Report, and HRER for the project. (2008–2021)

California High-Speed Train, Anaheim-to-Los Angeles, Orange and Los Angeles Counties, California. Served as Architectural Historian. Mr. Bursan has done extensive work on the project including surveying and documenting hundreds of properties for National Register of Historic Places and California Register of Historic Resources eligibility. Other work on the project includes property database management, writing of historic context, writing DPR forms, and developing strategies for property documentation. (2014–2020)

Anaheim Rapid Connection Fixed Guideway Project and Streetcar LNTP (Anaheim Streetcar), City of Anaheim/Hill International, Anaheim, California. Served as Architectural Historian. Participated in the completion of the energy and utilities-services sections of the ARTIC tech report and EIR under CEQA and Section 106 guidelines. Wrote sections of the historic context and DPR forms for the historic resources section of the reports. Andrew conducted field survey work, building permit research, building description, and directory research. (2014–2015)

I-15 Widening from San Bernardino to I-215 Environmental Impact Statement/EIR, Riverside County Transportation Authority/HDR Engineering, California. Served as architectural historian. Performed site visits, building permit research, and City directory research, as well as wrote a portion of the historic context statement for the HRER. Architectural field surveys of the I-215 HOV lane gap closure project proposed APE were conducted according to standard Caltrans guidelines and procedures. 32 properties were surveyed for the HRER. (2013)

Metro Gold Line Eastside Extension Phase II, Section 106 and CEQA Cultural Resources, Los Angeles County Metropolitan Transportation Authority/Camp Dresser and McKee, Inc., California. Wrote the impacts analysis and mitigation for CEQA and Section 106 for the Los Angeles County Metropolitan Transportation Authority Eastside cultural resources technical memorandum. He conducted extensive building permit, Sanborn Map, and ProQuest research. (2009–2010)

Wilshire Bus Rapid Transit Project CEQA/National Environmental Policy Act Technical Studies, Los Angeles County Metropolitan Transportation Authority, California. Assisted in the field survey and conducted research for the project. Inner City Fund conducted an archaeological survey in 2008 to determine whether prehistoric or historical resources are present along the proposed route for the Wilshire Bus Rapid Transit project. The Wilshire Bus Rapid Transit project would extend 12.5 miles along Wilshire Boulevard between downtown Los Angeles and the City of Santa Monica but would exclude the City of Beverly Hills. (2009)

Specialized Training

- 3-day National Environmental Policy Act Compliance course, NPI , 2019
- CEQA-Historical Resource Lecture, 2008–2011
- Environmental Justice Lecture, California, 2011

Appendix B

DPR form for A-1 Trailer Park
(1280 Pacific Coast Highway; APN: 7411-019-016)

State of California ♉ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 6Z

Other Listings
Review Code | Reviewer | Date

Page 1 **of** 18 ***Resource Name or #:** (Assigned by recorder) 1280 Pacific Coast Highway
P1. Other Identifier: A-1 Trailer Park

*P2. **Location:** ☐ **Not for Publication** ■ **Unrestricted**
- ***a. County** Los Angeles **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
- ***b. USGS 7.5' Quad** Torrance, CA **Date** 1964 **T** 4S; **R** 14W; S36 ☐ **of Sec** ; San Bernardino **B.M.**
- c. Address 1280 Pacific Coast Highway City Los Angeles Zip 92118
- d. UTM: (Give more than one for large and/or linear resources) Zone 11S, 379696 mE/ 3739563 mN
- e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) Latitude: 33.788570, Longitude: -118.299490; APN 7411-019-016

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The A-1 Trailer Park (subject property) at 1280 Pacific Coast Highway consists of a trailer park with five rows of mixed manufactured dwellings (mobile homes, motorhomes, single-wide dwellings) on a 3-acre rectangular parcel. While the entirety of the trailer park is on one parcel (APN 7411-019-016), an adjacent lot to the east (APN 7411-019-020) is utilized by residents for parking and was included in this evaluation as it is part of the overall Project site and is functionally linked to the subject property.

See Continuation Sheet.

***P3b. Resource Attributes:** (List attributes and codes) HP3. Multiple family property
***P4.Resources Present:** ■ Building ☐ Structure ☐ Object ☐ Site ☐☐☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession #) View southeast from Pacific Coast Highway (9/2/2021)

***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both 1946 (City of Los Angeles)

***P7. Owner and Address:** ROI 1280 LLC Bey, 4199 Campus Dr #200, Irvine Ca 92612

***P8. Recorded by:** (Name, affiliation, and address) Andrew Bursan, MCRP, Dudek, 38 N. Marengo Ave., Pasadena CA, 92024

***P9. Date Recorded:** September 22, 2021

***P10. Survey Type:** (Describe) Intensive

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Dudek. "Historical Resources Assessment Report for the 1280 Pacific Coast Highway Mixed-Use Development Project." Prepared for Alston + Bird LLC, September 2021.

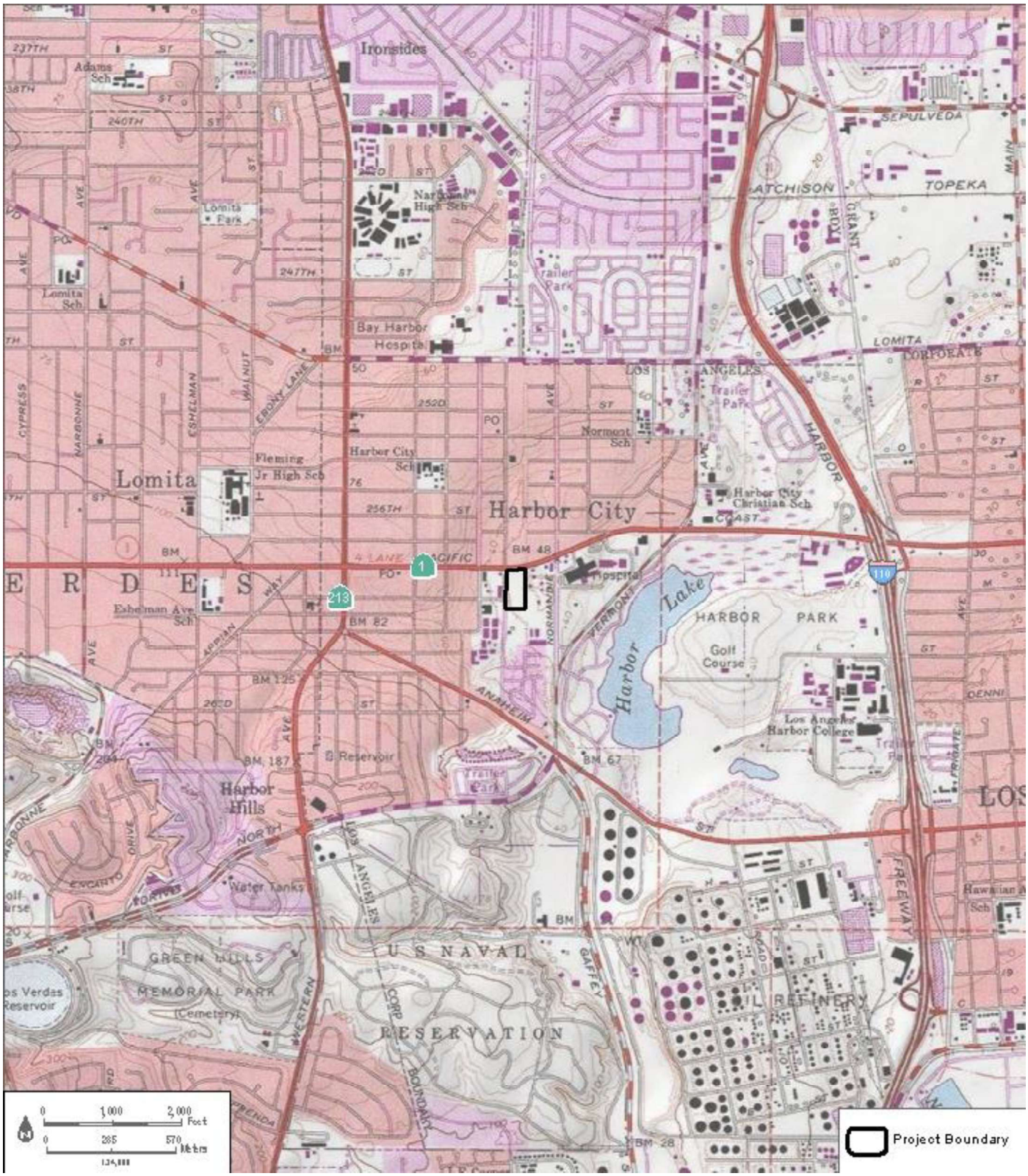
***Attachments:** ☐NONE ■Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ◆ Natural Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary #
HRI#
Trinomial

 ***Resource Name or #** (Assigned by recorder) 1280 Pacific Coast Highway
***Map Name:** Torrance, CA ***Scale:** 1:24,000 ***Date of map:** 1996 (2001 ed.)



State of California ◆ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #
HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 1280 Pacific Coast Highway ***NRHP Status Code** 6Z
Page 3 **of** 18

B1. Historic Name: 1280 Pacific Coast Highway (A-1 Trailer Park)
B2. Common Name: 1280 Pacific Coast Highway (A-1 Trailer Park)
B3. Original Use: Multi-family residence B4. Present Use: Multi-family residence
***B5. Architectural Style:**
***B6. Construction History:** (Construction date, alterations, and date of alterations)
Constructed 1946. Please see Identified Alteration on page 5 for additional information.

***B7. Moved?** ■No ☐Yes ☐Unknown **Date:** **Original Location:**
***B8. Related Features:**

B9a. Architect: N/A b. Builder: Lester N. Moore
***B10. Significance: Theme** N/A **Area** N/A
Period of Significance N/A **Property Type** N/A **Applicable Criteria** N/A
(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

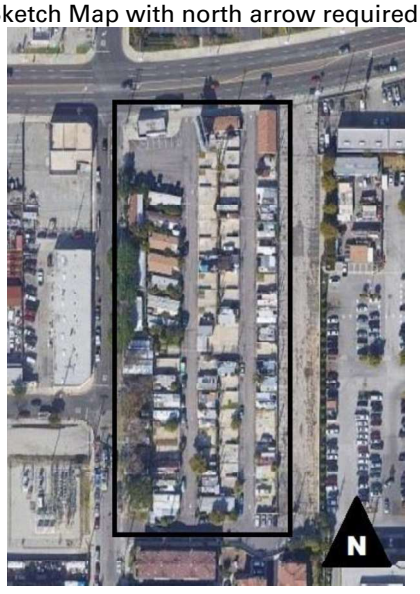
The A-1 Trailer Park property does not appear eligible under any National Register of Historic Places, California Register of Historical Resources, or City of Los Angeles designation criteria due to a lack of significant historical associations and architectural merit. The recommended status code is 6Z.
For the full evaluation, please see Continuation Sheet.

B11. Additional Resource Attributes: (List attributes and codes)
***B12. References:**

See Continuation Sheet.

B13. Remarks:

(Sketch Map with north arrow required.)



***B14. Evaluator:** Andrew Bursan. Dudek
***Date of Evaluation:** September 22, 2021

(This space reserved for official comments.)

***P3a. Description (continued):**

Each lot originally contained a 4-foot by 8-foot utility room with washer and dryer hookups, but at least 39 of these rooms have been demolished. The lots are now primarily vacant lots, with only the bases remaining where the rooms once stood. The utility rooms represent one of the only ancillary building types that remain on the site that date to the original construction in the 1940s.

Of the remaining dwellings on the subject property, roughly 63% are campers, 27% are more permanent single-wides, and 10% are motorhomes. All dwelling types are one story in height and sit directly on their concrete pads or atop a low base. Flat roofs or low-pitched roofs surmount most dwellings and fenestration includes both aluminum and vinyl slider windows on mobile homes and single-wides. Many units feature porch and auto shelter extensions projecting from the side elevations, and some are attached to motorhomes. Although it is difficult to discern the age of various mobile homes and single-wides, most dwellings appear to range in age from the early 1960s to the late 1990s. Currently 40 of the 91 trailer lots are vacant.

Amenities are limited to a side gabled, stucco clad, circa 1950s laundry room with a storage addition at the center of the subject property (see Figure 5). Along Pacific Coast Highway at the front of the subject property, permanent structures on the property include a front gabled former sales office (Figure 6), an office building (Figure 7), and a vacant, flat roof former retail building (Figure 8). While the former sales office has a "1270" affixed to the front of the building and the former retail building has a "1290," both buildings are on the parcel of 1280 Pacific Coast Highway (Figure 20). Landscaping is limited to small 3-foot by 3-foot garden patches on each lot that sometimes contain small trees.

Former Sales Office (Circa 1953)

The former sales office (1270 Pacific Coast Highway) is a one-story, front gabled building with a rectangular plan (see Figure 6). Non-original rough textured stucco finishes exterior surfaces and fenestration includes non-original vinyl sash windows on multiple elevations. A small awning shelters a wood front door entrance with a security door on the primary north elevation. A rear garage addition in 2015 doubled the footprint of the building.

Office Building (Circa 2000)

An office building dating to circa 2000 is sited along Pacific Coast Highway side of the property (see Figure 7). This is a one-story building with a side gabled roof and rectangular plan. Vertical wood board siding clads exterior surfaces. Windows are sliding vinyl sash. A four-step wood entrance leads to a wood frame entrance on the eastern side elevation. A wood fence on brick lines the street-facing elevation.

Former Retail Store and Restaurant (1946)

The former retail building (1290 Pacific Coast Highway) is one-story, on a rectangular plan, and topped by a flat roof with a raised parapet (see Figure 8). Two fixed pane metal picture windows with security bars are affixed to the fenestration on the primary elevation. An infilled and centered front door are also found on the primary elevation of the stucco clad building. Side elevations feature non-original wood door entrances, and a brick veneer extends along the east and rear elevations.

Identified Alterations

The On September 1, 2021, Dudek obtained building permits and records through the Online Building Records website (https://ladbsdoc.lacity.org/) filed after 1946 (the original date of the construction) for parcels within the Project site (APNs 7411-019-016 and 7411-020-039) for new construction, demolition, alteration, and additions. Observed alterations are also included in this section, and dates stated if known:

- 1945. Construction of eight 4-foot by 8-foot utility rooms for $200. (Permit No. 84936)
- 1946. Construction of a 20-foot by 40-foot retail building (now 1290 Pacific Coast Highway) for $5,000. (Permit No. 86379)
- 1947. Construction of 4-foot by 8-foot utility rooms for $200. (Permit No. 85990)
- 1948. Construction of 4-foot by 8-foot utility rooms for $200. (Permit No. 7080)
- 1949. Construction of 32 4-foot by 8-foot utility rooms for $4939. (Permit No. 906)
- 1959. Sign addition for $1,350 (Permit No. LA26236)
- 1964. Restaurant conversion for 1290 Pacific Coast Highway building (Permit No. 30546)
- 1970. Auto-sale conversion for 1290 Pacific Coast Highway building (Permit No. 44123)
- 1979. Door alteration to 1290 Pacific Coast Highway building for $300 (Permit No. 61405)
- 2015. Office conversion to 1290 Pacific Coast Highway building (Permit No. B15VN03776)

***B10. Significance (continued):**

Historical Overview of Harbor City and Wilmington

Prior to European settlement, the Wilmington-Harbor City area of Los Angeles County was the traditional home of the indigenous peoples of the Tongva nation. In 1784, Spain conferred the first private land concession in Southern California, the Rancho San Pedro land grant, to Portola Expedition member Juan Jose Dominguez. Dominguez developed the 43,119.13-acre rancho agriculturally by planting wheat. Grain remained a regional staple until the Dominguez heirs sold a portion of Rancho San Pedro to William Sanford, John Downey, and Benjamin Wilson in 1854 (GPA 2012: 6; State Lands Commission 1982: 50; Native Land Digital 2021).

Sanford, Downey, and Wilson partnered with entrepreneur Phineas Banning to construct wharves and warehouses to serve the City of Los Angeles. By the time the port was fully constructed, a small hamlet that supported the development of the port emerged directly inland. In 1858, the wharf was opened for business and the associated hamlet was officially designated New San Pedro. In 1863, New San Pedro was renamed to Wilmington in honor of Banning's hometown of Wilmington, Delaware (GPA 2012: 7).

Wilmington's first development boom coincided with the beginning of the American Civil War. In 1861, Banning and Wilson donated land north of the wharf to the U.S. Armed

Forces. The military developed Fort San Pedro, known colloquially as Fort Drum, to be used as the Union Army headquarters for the State of California and the Arizona Territory. In 1862, Wilmington became the Los Angeles terminus for the transcontinental telegraph line. These developments led to continuous industrial development near the waterfront, while residential development inland remained sparse (GPA 2012: 7; Hart 1965: 36).

In the mid-1860s Banning proposed the development of Southern California's first regional railroad, the Los Angeles and San Pedro Railroad. Construction began on the route in 1868 and concluded in 1869. The railroad resulted in lowered freight and transportation costs, which ensured the continued development of Wilmington. Wilmington was incorporated as a city in 1871 because of its economic success as a port. In 1874, Wilson College, a precursor to the University of Southern California, opened as the first coeducational college west of the Mississippi in Wilmington (GPA 2012: 7; Water and Power Associates 2021).

Wilmington grew steadily until the mid-1880s. Between the late 1880s and the early 1900s, Wilmington's development stagnated when the Southern Pacific Railroad gained control of the Los Angeles and San Pedro Railroad and extended the line beyond Wilmington and into San Pedro to the southwest. In addition, San Pedro was chosen as the site for the harbor of the City of Los Angeles, leading many of the City of Wilmington's businesses to move to San Pedro. Due to its economic decline, Wilmington's incorporation was revoked in 1887 (GPA 2012: 7).

Wilmington's development remained stagnant until the Pacific Electric Interurban Railroad extended its streetcar line through Wilmington to San Pedro and included a stop in Wilmington on the new line. In 1907, Wilmington was reincorporated as a city because of the increased economic activity reintroduced to the area by the Pacific Electric Interurban Railroad. Another commercial industrial development that shaped the Wilmington-Harbor City area in 1907 was the official opening of the Port of Los Angeles to the southwest. In 1909, Wilmington was consolidated into the City of Los Angeles (GPA 2012: 7).

In 1914, a new neighbor was founded directly east of Wilmington, Harbor City. Although Harbor City shared Wilmington's proximity to the industrial Port of Los Angeles, it developed as a residential area instead of as an industrial one. Together, Wilmington and Harbor City provided housing and industry linking the Port of Los Angeles to the wider region.

In 1920, oil was discovered near Wilmington-Harbor City and industrial growth increased exponentially. The new economic opportunity in Wilmington spurred developmental growth in the largely residential community of Harbor City. In 1920, Wilmington-Harbor City's population was 2,250; 10 years later the area's population had increased to 15,486. To accommodate the rapidly increasing population, commercial corridors were constructed on larger streets with single-family and multifamily residential developments interspersed between smaller, gridded streets. In 1932, the discovery of the Wilmington Oil Field, which is the largest oil field in California and the third largest oil field in the contiguous United States, further increased development in Wilmington-Harbor City (GPA 2012: 8; Poe 2021).

While Wilmington-Harbor City saw the first signs of residential growth during the 1930s, the Great Depression generally slowed economic and developmental growth in the region. The fishing industry became the largest employer in the area during the 1930s. Because of the 1934 "Big Strike," which began in San Francisco before spreading across the West Coast, labor unions saw increased influence over the state's ports. The International

Longshoreman's and Warehousemen's Union, founded in 1937, established a chapter in Wilmington. By the 1950s, the area was known for its influential labor unions (GPA 2012: 8; Water and Power Associates 2021).

During World War II, the Wilmington-Harbor City area was chosen as the Los Angeles Port of Embarkation. The Los Angeles Port of Embarkation consisted of 118 acres, 101 of which were leased land acquired from private, municipal, and commercial entities from Wilmington-Harbor City. From this port, military personnel were dispatched to fight in the Pacific Theater. Although most non-war related development slowed during World War II, construction began on the Harbor Steam Plant, a power plant, in 1943. Construction of the plant stalled in the same year of its commencement and did not resume until 1947. Construction of the plant concluded in 1949. Upon completion, the plant was renamed the Harbor Generating Station. The station was taken offline in 1991 due to inefficiency and outdated technology (U.S. Army Corps of Engineers 2016; Daily Breeze 2021; Best of the South Bay 2018).

In the 1950s, Wilmington-Harbor City experienced a building boom, which coincided with a building boom across all of Los Angeles County. During the 1950s the Harbor Freeway (Interstate 110), Harbor Regional Park, and Los Angeles Harbor College (originally named Los Angeles Harbor Junior College) were developed. In 1958, the Matson Navigation Company delivered the first shipment of 20 containers to the Port of Los Angeles, resulting in the containerized cargo revolution. Containers proved much easier than shipping bulky packages, drastically increasing the amount of goods moved throughout ports and local corridors like the Harbor Freeway. By 1959, the Port of Los Angeles had already handled 7,000 shipping containers. By 2000, the Port of Los Angeles operated as the busiest port in North America, which supported the commercial and industrial environment of surrounding communities, including Wilmington-Harbor City (Estrada 2014).

Major residential growth in Wilmington-Harbor City occurred in the 1920s and the 1950s. A third wave of residential, industrial, and commercial development began in the 1960s and continued into the current century. As the Port of Los Angeles continued to expand and bring increased commercial and industrial opportunities to Wilmington-Harbor City, residential buildings were constructed throughout the area. Single-family residences continued to dominate the smaller streets between thoroughfares. In the 1960s, there was a dramatic growth in multifamily residential developments. During the 1960s, a variety of multifamily residential developments, including apartment housing, multifamily residential districts, and neighborhoods comprised of manufactured homes were constructed in the area (LADCP 2000: 6).

The Wilmington-Harbor City area has continued to experience steady growth in the twenty-first century. The population increased from 51,517 in 2000 to 82,858 residents by 2017 estimates. Industrially, Wilmington-Harbor City continues to function as Los Angeles County's main industrial economic engine due to its oil refineries and production, goods movement, and the Port of Los Angeles. Labor unions continue to play a prominent role in the area's industrial development and politics. Commercially, Wilmington-Harbor City is not solely reliant on industrial commerce. During the twentieth and twenty-first centuries, Wilmington-Harbor City developed major commercial shopping centers and tourist amenities along Avalon Boulevard in Wilmington and along Pacific Coast Highway in Harbor City (ACS 2010; LADCP 2014; LADCP 2017; LADCP 2000: 4).

Property Type: Trailer Parks and Mobile Homes

The following trailer parks and mobile homes context draws content primarily from the Los Angeles Citywide Historic Context Statement theme for Trailer Parks and Mobile Homes

(City of Los Angeles Office of Historic Resources 2016) and A Field Guide to American Houses (McAlester 2015).

Trailer Parks and Mobile Homes, 1920–Present

In Los Angeles, trailer parks and mobile home parks represent a significant multifamily residential development type, illustrating the transition of prefabricated mobile housing from solely tourism-related applications to inexpensive permanent dwellings. The modern trailer and mobile home park evolved from development types called auto camps, auto courts, or motor courts in the 1910s. Equipped with amenities like bathhouses, kitchens, and laundry areas, auto camps provided an alternative to the early practice of automobile camping along the roadside or having to stay at downtown hotels that were ill-suited for automobile travelers due to lack of parking for their vehicles (City of Los Angeles Office of Historic Resources 2016: 4).

During the 1930s, the first true mobile homes were developed for use as travel trailers. These mobile houses were small and light enough to tow behind a car. For the first time, as the Great Depression hit in the early 1930s, car camps began to accommodate more permanent trailer housing or trailer parks. California lawmakers, encouraged by trailer manufacturers, passed the State Trailer Camp Act in 1937 in response to the rapid growth of concentrated trailer dwellings in the state. The law established criteria for trailer camp development and was revised numerous times throughout the 1940s to increase the standards (City of Los Angeles Office of Historic Resources 2016: 5; McAlester 2013: 149).

Demand increased for long-term residential trailer camps or parks in Southern California in the years following World War II when returning soldiers and their families joined new California immigrants in their search for inexpensive accommodations. By 1945, the federal government had made a significant investment in the trailer sector, ordering over 150,000 units. By 1949, Los Angeles County boasted 40 trailer parks, with nearly half of them located inside the city boundaries of Los Angeles. Since house trailers were still seen as temporary rather than permanent dwellings in the 1940s, their design remained substantially unaltered from the "single-wide," with the emphasis on mobility and cost. While the classic single-wide home is 8 feet wide, they often include porch, deck, carport, and garage extensions that can take the width upwards of 16 feet. The earlier 1940s and 1950s designs had a linear plan and a single file of rooms (McAlester 2013: 149–150). Also, in the spirit of low cost and mobility, parks of the 1940s offered few amenities compared to parks built after the mid-1950s.

The Project site at 1280 Pacific Coast Highway represents a highly altered version of a typical utilitarian trailer park from the mid-1940s. By 1949, Los Angeles County had several trailer parks. Within the southwest area of Los Angeles County, near the subject property, these included Olympic Trailer Court (2121 Bundy Drive, Santa Monica) Chaney Trailer Camp (1415 N. Fries Avenue, Wilmington), Knoll Hill Trailer Park (290 Viewland Place), La Rambla Trailer Park (126 N. Bandini Boulevard), Pepper Tree Auto Court (1036 McFarland Avenue, Wilmington; extant), and Williams Auto Court (222 Pacific Coast Highway, Wilmington). Of these trailer parks, 1036 McFarland Avenue, Wilmington is the only extant example (City of Los Angeles Office of Historic Resources 2016: 7-8; McAlester 2013: 149-150; San Pedro-Wilmington City Directory 1949: 742).

Trailer design began to change in the late 1950s and early 1960s, with manufacturers offering larger, more permanent alternatives that more closely resembled conventional homes. Mobile home parks had become a well-known and even attractive dwelling style by 1960, notably in Southern California. Community buildings, swimming pools, and organized

events were all common features of the region's mobile home parks. Other mobile home parks in Los Angeles had nothing in the way of landscaping or community facilities. Often these types of parks were relegated to the fringe areas of a given city. The Harbor City Mobile Home Park (760 Lomita Boulevard, Harbor City, built 1971) represents a later, local example of a park with more spacious homes and amenities such as a pool and community center (City of Los Angeles Office of Historic Resources 2016: 8-10; McAlester 2013: 150).

The U.S. Department of Housing and Urban Development finalized a set of standardized criteria for the building of mobile houses in 1976, and the Housing Act of 1980 mandated the use of the term "manufactured home" instead of "mobile home." As people took up more full-time residency in trailers in the postwar period, the single-wide trailer became the preferred manufactured dwelling type for trailer parks and gradually replaced more transient camper dwelling types during the 1950s. Single-wide manufactured homes range in size to up to 16 feet wide and up to 70 feet long. They are delivered to the job site, installed on a foundation built on site, and seldom relocated. Decks, porches, carports, garages, and room expansions are commonly added to these homes. A double-wide is made up of two linear sections, each without a side wall, that are meant to be linked together to make a single, larger building. In the modern era, manufactured housing continues to provide shelter to a large sector of Americans (McAlester 2013: 150).

Mobile Home and Manufactured Home Sub-Types (1930-Present)

Manufactured homes represent a prevalent type of house in modern America and are loosely grouped into the following subtypes: motorhomes and campers, single-wide homes, and double-wide homes. Manufactured housing is assembled completely in a factory. Unlike the closely related "modular home," a manufactured home is typically exempt from local building codes, but legally must maintain a steel chassis for mobility. The trailer park at 1280 Pacific Coast Highway features two types of mobile homes: campers and non-permanent RV motorhomes. The subject property also features later manufacturer homes known as single-wides. There are no double-wide types on the A-1 Trailer Park property.

Mobile Home Subtype: Camper

The earliest examples of mobile homes date to the 1930s as campers and travel trailers. Typically 8 feet wide, they could easily be attached to automobiles as trailers. Early campers featured a rudimentary layout but soon took on a more permanent design after World War II. The mobile home industry produced the first 10-foot-wide models in 1954 and by 1968, widths reached 12 feet. In the 1960s, the length of mobile homes increased as well to accommodate bathrooms, which were absent in most early trailers (McAlester 2013: 149–150) (see Figure 4).

Mobile Home Subtype: RV Motorhome

Motorhomes provide temporary living quarters, but differ from both a mobile home and single-wide because motorhomes are permanently attached to self-propelled motor vehicle chassis or a van and built by a licensed motorhome manufacturer . There are two types of motor homes. The larger style is constructed on a truck chassis with a gasoline or diesel engine and has a high fuel capacity, allowing it to travel great distances. The smaller or mini-motor home is built on a van chassis with a portion that extends beyond the cab (McAlester 2013: 149-150).

Mobile Home Subtype: Single-Wides

Single-wides represent the most prevalent style of manufactured home in America and a more permanent style of dwelling. While the classic single-wide home is 8 feet wide, they often include porch, deck, carport, and garage extensions that can take the width upwards of 16 feet (see Figure 3). The earlier 1940s and 1950s era designs had a linear plan and a single file of rooms. Manufacturers increasingly offered designs to accommodate different size lots with embellishments like shallow gables or changes in cladding, often in an effort to mimic Ranch houses (McAlester 2013: 149–150).

History of the Subject Property

The earliest aerial photograph of the A-1 Trailer Park dates from 1932 and indicates that the Project site was a vacant lot along an unpaved Pacific Coast Highway. In 1932, the surrounding area was sparsely developed with single-family dwellings with about half the lots vacant and Machado Lake visible to the east. By 1941, the subject Project site contained shed buildings along the northern and western parcel boundary, but they appear to have been demolished when the trailer park was developed in 1946 and do not appear in the 1953 aerial map. The surrounding neighborhood had remained only partially developed by 1941, but Pacific Coast Highway had been reconfigured since 1932 to reflect its current configuration (NETR 1952; UCSB 1932, 1941).

Developer Lester N. Moore began construction of the A-1 Trailer Park at 1280 Pacific Coast Highway in 1945 on a formerly vacant lot and opened the park in 1946. Building permits associated with the property do not list an architect for the trailer park and Moore acted as the builder-contractor. A separate slim parcel paved in asphalt sits just to the east of the trailer park and serves as a parking lot for the site. The surrounding neighborhood remained sparsely developed in this period with single-family homes and roughly half the lots vacant. A commercial corridor along Pacific Coast Highway also appears to have emerged at this time. Building permits from 1945 to 1948 show that Moore constructed a series of 4-foot by 8-foot utility buildings on each trailer lot (see Figure 21). A 1952 aerial shows the three easternmost rows of the park lined with trailers, similar to their modern arrangement. Also, during 1946, Norman Hansen built a modest 20-foot by 40-foot, flat roof, stucco clad commercial building (Permit No. 86379, still extant) at the northwestern corner of the subject property. Based on building permits, the building first appears to have opened as a retail building and was converted to a retail restaurant in 1964. The businesses names are not listed in city directories and little information regarding the building's occupants could be found. In 1950, a front gabled, stucco clad sales office was constructed near the northeastern corner of the lot (Permit No. LA23985); this building is still extant but with major alterations. In this building, the subject property had a short-lived trailer sales component in addition to the existing trailer park, which existed from the early 1950s to the early 1960s (City of Los Angeles Department of Building and Safety 1945, 1946, 1948; NETR 1952, 1953, 1963; UCSB 1960; San Pedro News-Pilot 1945, 1946).

The first aerial photography featuring the trailer park was taken in 1952. This aerial photography shows a neighborhood that was largely developed. In an aerial photograph from the following year, 1953, the subject property consists of a 20-foot by 40-foot foot 1946-era building (Permit No. 86379, still extant) at the northwestern corner of the property, a sales office at the northwest corner of the property, and three rows of trailers on the east end of the property. In the 1952 aerial, Frampton Avenue had yet to be paved, but paving appears by a later 1953 map (NETR 1952, 1953; City of Los Angeles Department of Building and Safety 1946).

The next available aerial image from 1960 shows the construction of an additional two rows of trailers on the western end of the subject property; these rows appear completed

by the 1962 aerial and brought the total number of rows in the trailer park to five. By the early 1960s, the surrounding neighborhood was completely built out with the emergence of large commercial buildings along Pacific Coast Highway (UCSB 1960, 1962).

Beyond the intermittent replacement of mobile homes on the subject property over the decades, the trailer park retained its basic configuration from the early 1960s well into the 1980s based on aerial images. A 2000 aerial image shows a former trailer site replaced with a new street facing office building at the center of the subject property, which appears to remain to the present day. Since roughly 2010, aerial images suggest the removal of many trailers on the site as evidenced by the number of vacant trailer sites. To date, 40 of the 91 trailer spaces have been vacated since the park was at full capacity in the 1990s (see Figure 22). In addition, the 1950 former sales office had a circa 2015 rear addition that doubled the building in size. Beyond the 47 vacant lots on the site, the style of trailer currently occupying the subject property is a mix of 8-foot-wide post-World War II trailers, more permanent single-wide trailers with extensions, and newer motorhomes (NETR 1980, 1994, 2000, 2005, 2010).

Significance Evaluation

The A-1 Trailer Park property (1280 Pacific Coast Highway; APNs 7411-019-016 and 7411-020-039) does not meet any of the criteria for listing in the NRHP, CRHR, or the City of Los Angeles HCM List, either individually or as part of an existing historic district, based on the following significance evaluation.

Criterion A/1/1: That are associated with events that have made a significant contribution to the broad patterns of our history.

The context in the Los Angeles Citywide Historic Context Statement considered under this criterion is Multi-Family Residential Development, specifically the theme of Trailer Parks and Mobile Homes. As a trailer park property developed in the mid-1940s, A-1 Trailer Park is associated with the trend of postwar mobile home parks and the larger trend of postwar multifamily development. The subject property represents one of many similar trailer parks that emerged in the 1940s and early 1950s that exhibit a simple, utilitarian design devoid of amenities found in trailer parks and mobile home parks built after the mid-1950s. As a common example of its type, the A-1 Trailer Park did not play an important role in the overall trend of postwar trailer home or multifamily developments and the subject property is not linked to a development innovation. Research also did not suggest the subject property is associated with more specific events or patterns of events that have historical significance in Harbor City or greater Los Angeles. For these reasons, the subject property at 1280 Pacific Coast Highway does not appear significant under NRHP Criterion A, CRHR Criterion 1, and LA HCM Criterion 1.

Criterion B/2/2: That are associated with the lives of persons significant in our past.

To be eligible under NRHP Criterion B, CRHR Criterion 2, and LA HCM Criterion 2, the subject property would need to be directly associated with a person considered historically significant at the local, state, or national level. Lester N. Moore first developed the subject property in 1946 as A-1 Trailer Park, but research did not show him developing other trailer parks or residential developments and he appears to have been a small-scale developer. No further information could be found about the life and work of Lester N. Moore. This indicates he was not a historic personage. Newspaper.com and directory research did not reveal other individuals connected to this property who may have been important individuals to local history. Based on the research conducted on the area's history, a reasonable likelihood does not exist that additional information

will identify a historically significant person associated with the subject property. For these reasons, the subject property at 1280 Pacific Coast Highway does not appear significant under NRHP Criterion B, CRHR Criterion 2, and LA HCM Criterion 2.

Criterion C/3/3: That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction.

The subject property at 1280 Pacific Coast Highway was constructed in 1946 and is typical of low-cost trailer parks built after World War II to accommodate the increasing housing demand. By their nature, the trailer parks of the 1940s and early 1950s were very utilitarian and did not have many features. Though minimal, these trailer parks could be characterized by lots for trailers, utility rooms, signage, and ancillary support buildings. The subject property does not exhibit a substantial number of these character-defining features. Of the 91 lots, 40 are used for campers and motorhomes, not the trailer types they were designed for. At least 39 lot utility rooms have been demolished. There is no original signage. With the absence of character-defining features, the property does not convey significance as an example of the 1940s/1950s trailer park property type. For these reasons, the subject property does not appear to meet NRHP Criterion C, CRHR Criteria 3, and LA HCM Criterion 3.

Criterion D/4/4: That have yielded, or may be likely to yield, information important in prehistory or history.

The property is not significant under Criterion D of the NRHP, Criterion 4 of the CRHR, or LA HCM Criterion 4 as a source, or likely source, of important historical information, nor does it appear likely to yield important information about historic construction methods, materials, or technologies.

Integrity Discussion

As the property is not significant under any of the NRHP criteria, the integrity of the property does not require examination. It is worth noting, however, that the property lacks integrity as a whole. The A-1 Trailer Park no longer retains integrity of design, materials, and workmanship due to numerous alterations on the site that include the following:

- Alterations to street-facing permanent buildings, including the recladding, replacement windows, and rear addition to the "1270" building in the northwestern corner of the property
- Vacancy of 40 of the 91 lots with a preponderance of non-permanent dwelling types like campers and motorhomes
- Demolition of at least 39 lot utility rooms dating to the initial development of the property (1940s and 1950s)
- Removal of original signage

With the material alteration and demolition of buildings and ancillary structures such as utility rooms, the original workmanship is lost. The property retains its original location. While individual building and units have experienced alterations, the overall layout of the trailer park has remained the same since a western expansion of the site in 1960; however, the integrity of design is diminished overall with the loss of original components of the trailer park plan. The surrounding area, especially around Pacific

Coast Highway, has remained a business commercial corridor going back to the 1940s; therefore, integrity of setting is largely intact. The trailer park continues to convey its use and is easily recognizable for the purpose it has served; thus, integrity of feeling is intact. The property is not significant under Criteria A or B and is not associated with an important historic event or person. Therefore, this aspect of integrity does not apply, as there is no historic association. While the property does retain some elements of integrity, the loss of workmanship and materials results in a property that does not retain the requisite integrity for designation and does not rise to the level of significance required for designation at the national, state, or local levels.

Summary of Evaluation Findings

No historical resources were identified within the Project site as a result of the extensive archival research, field survey, and property significance evaluation. The A-1 Trailer Park property located at 1280 Pacific Coast Highway (APNs 7411-019-016 and 7411-019-020) does not appear eligible for NRHP, CRHR, or City of Los Angeles designation due to a lack of significant historical associations, architectural merit, and physical integrity. Therefore, the subject property is not considered a historical resource.

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Figure 1. West side of subject property, looking southeast. Contextual photo looking southeast along Frampton Avenue, the western property boundary



Figure 2. Contextual photo, looking south at a row of manufactured dwellings from the front of the subject property



Figure 3. East elevation, looking west. Example of a single-wide dwelling with porch extension



Figure 4. East elevation, looking northwest. Example of a camper



Figure 5. West elevation, looking northeast. Circa 1950s laundry room and storage building



Figure 6. Primary (north) elevation of Former Sales Office, view southeast



Figure 7. Primary (north) elevation, view south of the office building



Figure 8. Primary (north) elevation, looking southeast view of the 1290 Pacific Coast Highway building (former retail building)

Attachment F

Paleontological Resources Review

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MEMORANDUM

To:	Alex Wong, Red Oak Investments, LLC
From:	Michael Williams, Ph.D.
Subject:	Paleontological Resources Review – 1280 Pacific Coast Highway Mixed-Use Development
Date:	May 29, 2024, Updated November 2024
cc:	Michele Finneyfrock, Sarah Siren, Dudek
Attachment:	Confidential Attachment A. Paleontological Records Search Results Letter

Dudek has received and reviewed the results of a paleontological resources records search for the 1280 Pacific Coast Highway Mixed-Use Development Project (Project) and is providing this memo to Red Oak Investments, LLC (Red Oak) to summarize the results of the records search and consider the potential for Project implementation to result in impacts on paleontological resources. The City of Los Angeles (City) is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA) for this Project. A paleontological resources records search was conducted by the Natural History Museum of Los Angeles County (LACM). Dudek also conducted a review of published geological maps and paleontological literature. This paleontological resources study was completed in accordance with CEQA and guidelines from the Society of Vertebrate Paleontology ([SVP] 2010).

On November 24, 2021, the City Council certified the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR, to adopt the 2021-2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element), hereafter referred to as the "Housing Element Program EIR." Pursuant to CEQA Guidelines Section 15168(c)(4), the following paleontological resources analysis is provided in support of the Project's determination of consistency with the scope of the program analyzed in the Housing Element Program EIR and its environmental impacts. The following Housing Element Program EIR mitigation measures (MMs) are addressed herein:

- Housing Element MM 4.5-1(a): Paleontological Procedures for Discretionary Projects
- Housing Element MM 4.5-1(b): Worker Environmental Awareness Program, Fossil Salvage, and Construction Monitoring
- Housing Element MM 4.5-1(c): Construction Monitoring
- Housing Element MM 4.5-1(d): Fossil Discovery, Salvage, and Treatment

Project Location and Description

The Project would involve the construction and operation of a mixed-use building consisting of 354 multi-family residential units (42 of which would be affordable units); 1,500 square feet of commercial space; and a 575-stall parking garage. The mixed-use building would have a maximum height of 80 feet. The Project site is located within the Wilmington – Harbor City Community Plan Area of the City of Los Angeles (City), at the southeastern corner of Pacific Coast Highway and Frampton Avenue. The site consists of two parcels (APNs 7411-019-016 and 7411-019-020) and is 3.7 acres in size. The site is generally addressed as 1268, 1270 & 1290 Pacific Coast Highway & 25900 Frampton Avenue, Los Angeles, California 90710. The Project site is currently occupied with mobile homes, trailers, and a former vehicle storage lot. These existing uses would be closed and demolished as part of the Project.

Regulatory Framework

California Environmental Quality Act

Paleontological resources, which are limited, nonrenewable resources of scientific, cultural, and educational value, are recognized as part of the environment under the State CEQA Guidelines. This study satisfies project requirements in accordance with CEQA (13 PRC, 21000 et seq.) and Public Resources Code Section 5097.5 (Stats 1965, c 1136, p. 2792). This analysis also complies with guidelines and significance criteria specified by the Society of Vertebrate Paleontology (SVP 2010).

Paleontological resources are explicitly afforded protection by CEQA, specifically in Section VII(f) of CEQA Guidelines Appendix G, the "Environmental Checklist Form," which addresses the potential for adverse impacts to "unique paleontological resource[s] or site[s] or … unique geological feature[s]." This provision covers fossils of signal importance – remains of species or genera new to science, for example, or fossils exhibiting features not previously recognized for a given animal group – as well as localities that yield fossils significant in their abundance, diversity, preservation, and so forth. Further, CEQA provides that a resource shall be considered "historically significant" if it has yielded or may be likely to yield information important in prehistory (PRC 15064.5 [a][3][D]). Paleontological resources would fall within this category. The PRC, Chapter 1.7, sections 5097.5 and 30244 also regulates removal of paleontological resources from state lands, defines unauthorized removal of fossil resources as a misdemeanor, and requires mitigation of disturbed sites.

California Public Resources Code Section 5097.5

California Public Resources Code (PRC) Section 5097.5 provides protection for paleontological resources on public lands, where Section 5097.5(a) states, in part, that:

> No person shall knowingly and willfully excavate upon, or remove, destroy, injure, or deface, any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, rock art, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over the lands.

City of Los Angeles General Plan

The City's General Plan Conservation Element recognizes paleontological resources in Section 3: "Archeological and Paleontological" (II-3), specifically the La Brea Tar Pits, and identifies protection of paleontological resources as an objective (II-5). The General Plan identifies site protection as important, stating, "Pursuant to CEQA, if a land development project is within a potentially significant paleontological area, the developer is required to contact a bonafide paleontologist to arrange for assessment of the potential impact and mitigation of potential disruption of or damage to the site. Section 3 of the Conservation Element, adopted in September 2001, includes policies for the protection of paleontological resources. As stated therein, it is the City's policy that paleontological resources be protected for historical, cultural research, and/or educational purposes. Section 3 sets as an objective the identification and protection of significant paleontological sites and/or resources known to exist or that are identified during "land development, demolition, or property modification activities." Section 5 of the Conservation Element recognizes the City's responsibility for identifying and protecting its cultural and historical heritage. The Conservation Element establishes the policy to continue to protect historic and cultural sites and/or resources potentially affected by proposed land development, demolition, or property modification activities, with the related objective to protect important cultural and historical sites and resources for historical, cultural, research, and community educational purposes.[1]

Geological and Paleontological Setting

The Project site is located within the northernmost Peninsular Ranges Geomorphic Province (Norris and Webb 1990; California Geological Survey [CGS] 2002). This geomorphic province is characterized by northwest trending mountain ranges and valleys that extend over 900 miles from the tip of the Baja California Peninsula to the Transverse Ranges (i.e., the San Bernardino and San Gabriel Mountains in southern California). Regionally, the Peninsular Ranges are bounded to the east by the Colorado Desert and the west by the continental shelf and offshore islands (Santa Catalina, Santa Barbara, San Nicholas, and San Clemente) (Norris and Webb 1990; CGS 2002). Regional mountain ranges in the Peninsular Ranges Geomorphic Province include the Santa Ana, San Jacinto, and Santa Rosa Mountains. Geologically, these mountains are dominated by Mesozoic, plutonic igneous and metamorphic rocks that are part of the Peninsular Ranges batholith (southern California batholith) (Jahns 1954).

More specifically, the Project site lies within the southwestern block of the Los Angeles Basin (Yerkes et al. 1965). The Los Angeles Basin (also called the coastal plain) extends from the Santa Monica Mountains in the north to the San Joaquin Hills of Orange County in the south and is a structural basin that in some areas has been subsiding and filling with sediments since the late Cretaceous (Yerkes et al. 1965). The Los Angeles Basin is characterized by alluvial coastal plains, underlain by older alluvial and marine sediments, and punctuated by uplifted highlands owing to the numerous faults underlying the Basin. These faults, which include the Newport-Inglewood fault zone in the south and the Sierra Madre fault zone in the north (a reverse fault), are part of the greater San Andreas fault system, characterized by numerous strike-slip faults.

Surficial geological mapping by Dibblee et al. (1999) at a scale of 1:24,000 indicated the Project site is underlain by late Pleistocene (~ 129,000 to 11,700 years ago) elevated alluvium (map unit Qae). Similarly, according to the geotechnical report, the Project site is underlain by Pleistocene alluvium to a depth of at least 40 feet below the ground surface (bgs) (Geocon West, Inc. [Geocon] 2018). One of the four geotechnical borings for the Project

[1] City of Los Angeles General Plan, Conservation Element, pages II-6 to II-9.

indicated artificial fill was present to a depth of two feet bgs. Pleistocene alluvial deposits have high paleontological resource sensitivity or potential in this part of the Los Angeles Basin.

Past excavation activities within the southwestern Los Angeles Basin have encountered paleontological resources in Pleistocene alluvial deposits. Jefferson (1991) reported numerous localities from this part of Los Angeles County that yielded Ice Age fossil amphibians, reptiles, birds, and mammals, including turtle (*Clemmys* sp.), gopher (*Thomomys* sp. cf. *T. bottae*), rodents (*Spermophilus sp. cf. S. beecheyi*), vole (*Microtus californicus*), rabbit (*Lepus* sp.), tapir (*Tapirus* sp. cf. *T. californicus*), sloth (*Paramylodon*), mammoth (*Mammuthus*), mastodon (*Mammut americanum*), horse (*Equus*), camel (Camelidae), deer (*Odocoileus* sp. cf. *O. hemionus*), pronghorn (*Capromeryx* sp.), bison (*Bison*), carnivore (*Canis latrans, Canis* sp. cf. *C. dirus*).

Paleontological Records Search

Dudek requested a paleontological records search from the LACM on September 1, 2021, and the results were received on September 17, 2021. The LACM did not report any fossil localities from within the Project site, but they do have nearby localities from deposits similar to those underlying the site on the surface and at depth (Confidential Attachment A). In addition to fossils from Pleistocene alluvial deposits, similar to those mapped on the surface of the Project site, the LACM reported fossils from Pleistocene marine deposits (Palos Verdes Sand and San Pedro Sand). These deposits occur at depth and were not recorded in the geotechnical borings, which attained a depth of 40.5 feet bgs (Geocon 2018). Therefore, they are not discussed further herein. The closest Pleistocene vertebrate fossil locality is LACM VP (Vertebrate Paleontology) 3249, which is an unknown geological unit from Lomita that may be in part, marine and produced mastodon (*Mammut*), bison (*Bison*), camel (*Camelops*, *Tanupolama*), sea lion (*Eumetopias*), ground sloth (*Megalonyx*), horse (*Equus*), tapir (*Tapirus*); loon (*Gavia*), grebe (*Achmophorous*), sea duck (*Chendytes*), teleost fish, and other unspecified vertebrates (Confidential Attachment A). The next closest locality (LACM VP 3200), located southwest of the Project site near Green Hills Memorial Park, yielded specimens of Bison (*Bison*) and ground sloth (*Paramylodon*) from approximately 250 feet above mean sea level. Finally, LACM VP 3823 produced a fossil camel specimen (Camelidae) from an unnamed gray, buff arenaceous (sandy) silt approximately 12 to 14 feet bgs approximately 1.5 miles northwest of the Project site in Carson (Confidential Attachment A).

Findings and Recommendations

No paleontological resources were identified within the Project site as a result of the institutional records search and desktop geological and paleontological review. The LACM recommended a full paleontological assessment of the Project site which this study satisfies through its review of a site-specific geotechnical report, a desktop geological map review, and paleontological literature review. Given the presence of Pleistocene alluvium mapped within the Project site and the vertebrate fossils recovered from Pleistocene alluvium in this portion of the Los Angeles Basin, intact paleontological resources may be encountered below a surficial layer of artificial fill or topsoil during Project excavations. In the event that intact paleontological resources are located on the Project site, ground-disturbing activities associated with construction of the Project, such as grading during site preparation, large diameter augering, and trenching for utilities, could destroy a unique paleontological resource or site that has not been previously recorded, resulting in a potentially significant impact.

The Project has been found to be within the scope of the program analyzed in the Housing Element Program EIR. Accordingly, the Project is required to comply with all applicable mitigation measures identified in the Housing

Element Program EIR Mitigation Monitoring Program (MMP). The applicable paleontological resources mitigation measures are listed below.

4.5-1(a) Paleontological Procedures for Discretionary Projects. For all discretionary projects that involve excavation or grading activities at depths greater than previous disturbance on the respective site(s), prior to the start of construction, the following shall be conducted as discussed in detail below: prepare a resource assessment and records search for the presence of paleontological resources to determine if the project site is underlain by paleontological resources; monitor all excavation and grading activities in areas underlain by soils or geologic units potentially containing paleontological resources; and identify, record, and evaluate all paleontological resources uncovered during project construction and submit a paleontological assessment report to the City for review and approval. In addition, during project construction, the following shall be conducted as discussed in detail below: cease all construction activities in the event of the discovery of paleontological resources; conduct fossil recovery as necessary by a qualified paleontologist; avoid handling of paleontological resources by parties other than the qualified paleontologist responsible for conducting fossil recovery; and resume construction activities only upon clearance by the qualified paleontologist. These procedures, as detailed below, shall be implemented to avoid impacts to paleontological resources or reduce potential impacts to a less-than-significant level:

- Prior to excavation and grading activities, a qualified paleontologist shall prepare a resource assessment and records search for the potential presence of paleontological resources. This assessment shall be informed by records from the Natural History Museum of Los Angeles County.
- If the assessment determines the project site is underlain by soils or geologic units with a medium to high potential for containing paleontological resources, a qualified paleontologist shall prepare a monitoring plan, and worker education plan. The paleontologist's assessment and any required monitoring or required worker education plan shall be submitted to the City for review and approval prior to the commencement of construction activities. Any monitoring plan shall include requiring compliance with Mitigation Measure 4.5-1(d) for discovery, salvage and treatment.

4.5-1(b) Worker Environmental Awareness Program, Fossil Salvage, and Construction Monitoring. If required by cultural resources assessment under MM 4.5-1(a), prior to the start of construction, a paleontological monitor shall conduct training for construction personnel regarding the appearance of fossils and the procedures for notifying paleontological staff should fossils be discovered by construction staff, and notice that the identified qualified paleontologist is the only one authorized to handle paleontological find(s), including but not limited to collection and removal. Approved plans shall include statement of WEAP requirement.

4.5-1(c) Construction Monitoring. If required pursuant to a monitoring plan prepared under MM 4.5-1(a), a paleontologist or designated paleontological monitor shall monitor ground disturbance activities, including the initial five feet below the ground surface, as areas with high paleontological sensitivity may contain resources at shallow depths and within the first five feet. If the paleontological monitor determines that full-time monitoring is no longer warranted, he or she may recommend that monitoring be reduced to

periodic spot-checking or cease entirely. Monitoring shall be reinstated if any new or unforeseen deeper ground disturbances are required. After ground disturbing activities are completed, the paleontologist or designated monitor shall complete and submit a report to the City verifying compliance with the monitoring plan. Monitoring plan shall show on the plans.

4.5-1(d) Fossil Discovery, Salvage, and Treatment. All discretionary projects shall be subject to the following mitigation measure:

Discovery. If paleontological resources are uncovered during construction activities (in either a previously disturbed or undisturbed area), all ground-disturbing activities in the area of the find shall cease until a qualified paleontologist has evaluated the find, and identified and prepared an appropriate mitigation plan, in accordance with federal, state, and local guidelines, Construction activities in the area of the discovery shall commence again only after the identified resource(s) are properly processed by a qualified paleontologist, and if construction activities are cleared by the qualified paleontologist to continue. If cleared by the qualified paleontologist, construction activity may continue unimpeded on other portions of the project site that would not affect evaluation or recovery of the identified resource(s).

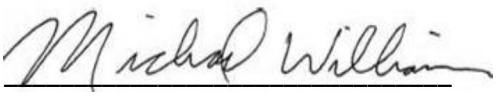
Fossil Salvage and Treatment. The qualified paleontologist or designated paleontological monitor shall recover intact fossils consistent with the mitigation plan and notify the City of any fossil salvage and recovery efforts. Typically, fossils can be safely salvaged quickly by a single paleontologist and not disrupt construction activity. In some cases, larger fossils (such as complete skeletons or large mammal fossils) require more extensive excavation and longer salvage periods. In this case the paleontologist shall have the authority to temporarily direct, divert or halt construction activity to ensure that the fossil(s) can be removed in a safe and timely manner. Any fossils shall be handled and deposited consistent with a mitigation plan prepared by the paleontological monitor. The qualified paleontologist shall prepare a report according to current professional standards including those of the SVP that describes the resource, how it was assessed, and disposition. The report shall be submitted to the City.

The requirements in this mitigation measure shall be shown on plans.

This study satisfies the pre-construction assessment required by MM 4.5-1(a). This study has determined that the Project site is underlain by soils with a medium to high potential for containing paleontological resources. As such, per MM 4.5-1(a), a paleontological monitoring plan and worker education plan will be prepared prior to the commencement of construction activities. The monitoring plan will include required compliance with MMs 4.5-1(b)-(d), which set forth specifications for worker education, construction monitoring, and steps to be taken for the protection and salvage of paleontological resources in the event of an inadvertent discovery. Implementation of MMs 4.5-1(a)-(d) from the Housing Element Program EIR MMP would protect any significant paleontological resources in the event of discovery during Project construction. Upon implementation of the above-listed MMs from the Housing Element Program EIR, impacts to paleontological resources from the Project would be considered less than significant.

If you have any questions regarding this memo, please feel free to contact me 225.892.7622 or mwilliams@dudek.com).

Sincerely,



Michael Williams, Ph.D.
Senior Paleontologist

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Attachment A

Paleontological Records Search Results Letter
Confidential – Not for Public Consumption

Natural History Museum
of Los Angeles County
900 Exposition Boulevard
Los Angeles, CA 90007

tel 213.763.DINO
www.nhm.org

Research & Collections

e-mail: paleorecords@nhm.org

September 17, 2021

Dudek

Attn: Michael Williams

re: Paleontological resources for the 1280 Pacific Coast Highway Project (PN: 13686)

Dear Michael:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for proposed development at the 1280 Pacific Coast Highway project area as outlined on the portion of the Torrance USGS topographic quadrangle map that you sent to me via e-mail on September 1, 2021. We do not have any fossil localities that lie directly within the proposed project area, but we do have fossil localities nearby from the same sedimentary deposits that occur in the proposed project area, either at the surface or at depth.

The following table shows the closest known localities in the collection of the Natural History Museum of Los Angeles County.

Locality Number	Location	Formation	Taxa	Depth
LACM VP 3249	Lomita, general locality number for specimens without locality data from the area	Unknown formation (Pleistocene)	Mastodon (*Mammut*), Bison (*Bison*), Camel (*Camelops, Tanupolama*), sea lion (*Eumetopias*), ground sloth (*Megalonyx*), horse (*Equus*), tapir (Tapirus); Loon (*Gavia*), grebe (*Achmophorous*), sea duck (*Chendytes*), teleost fish, and other unspecified vertebrates	Unknown (many collected from sand pit operations)
LACM IP 229	South side of Anaheim St; east of Normandie Ave intersection, Harbor Lake, Habror City	Palos Verdes Sand	Invertebrates: gastropods (*Bulla, Caesia, Metaxia, Melampus, Eulithidium, Micranellum, Glyptaesopus, Shaskyus, Roperia, Seila, Megasurcula, Kurtzia, Agathistoma, Iselica, Vermicularia, Crepipatella, Ophiodermella, Eupleura*), bivalve (*Macoma*)	Unknown
LACM IP 166	Northwest corner of	Palos Verdes Sand	Invertebrates: gastropods	Unknown

	Anaheim Avenue and Vermont Avenue; west of Bixby Slough (Harbor Lake); Harbor City		(Naticidae), bivalves (*Argopecten, Anomia, Dosinia, Lucinisca, Macoma, Ostrea*, Verneridae)	(Los Angeles County Sanitation Project pit)
LACM VP 3200	Long View Dr. in Green Hills Memorial Park	Unknown formation (conglomerate overlying Lomita Marl)	Bison (*Bison*), ground sloth (*Paramylodon*)	250 feet above mean sea level
LACM VP 3268	East side of Gaffey Street at the northern end of the Union Oil refinery	San Pedro Sand	Elephant clade (Proboscidea)	Unknown
LACM VP 3823	SE corner of Figueroa St & Sepulveda Blvd	Unidentified (Pleistocene; grey buff arenaceous silt)	Camel family (Camelidae)	12-14 ft bgs

VP, Vertebrate Paleontology; IP, Invertebrate Paleontology; bgs, below ground surface

This records search covers only the records of the Natural History Museum of Los Angeles County ("NHMLA"). It is not intended as a paleontological assessment of the project area for the purposes of CEQA or NEPA. Potentially fossil-bearing units are present in the project area, either at the surface or in the subsurface. As such, NHMLA recommends that a full paleontological assessment of the project area be conducted by a paleontologist meeting Bureau of Land Management or Society of Vertebrate Paleontology standards.

Sincerely,

Alyssa Bell

Alyssa Bell, Ph.D.
Natural History Museum of Los Angeles County

enclosure: invoice

Attachment G

Geotechnical Investigation

Project No. A9779-06-01
December 5, 2024

Mr. Alex Wong
Red Oak Investments LLC
4199 Campus Drive, #200
Irvine, CA 92612

Subject: UPDATE OF GEOTECHNICAL INVESTIGATION
PROPOSED MULTI-FAMILY RESIDENTIAL DEVELOPMENT
1280 WEST PACIFIC COAST HIGHWAY, HARBOR CITY, CALIFORNIA
TRACT: PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO, BLOCK: 10, ARB: 33

Reference: *Geotechnical Investigation, Proposed Multi-Family Residential Development, 1280 West Pacific Coast Highway, Harbor City, California,* by Geocon West, Inc., July 2, 2018.

Dear Mr. Wong:

This letter has been prepared to update the referenced geotechnical investigation report prepared by Geocon West, Inc. It is our understanding that the scope of the project remains essentially unchanged and the geotechnical recommendations presented in the report remain applicable to the project as presently proposed. The recommendations presented herein are intended to update the referenced report for compliance with current building code requirements. Where differing, the recommendations herein supersede the previous recommendations.

Seismic Design Criteria

The following table summarizes the site-specific design criteria obtained from the 2022 California Building Code (CBC; Based on the 2021 International Building Code [IBC] and ASCE 7-16), Chapter 16 Structural Design, Section 1613 Earthquake Loads. The data was calculated using the online application U.S. Seismic Design Maps, provided by the Structural Engineers Association of California (SEAOC). The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.2.2 of the 2022 CBC and Table 20.3-1 of ASCE 7-16. The values presented below are for the risk-targeted maximum considered earthquake (MCE_R).

2022 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2022 CBC Reference
Site Class	D	Section 1613.2.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	1.744g	Figure 1613.2.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.638g	Figure 1613.2.1(2)
Site Coefficient, F_A	1.0	Table 1613.2.3(1)
Site Coefficient, F_V	1.7	Table 1613.2.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	1.744g	Section 1613.2.3 (Eqn 16-20)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	1.085g*	Section 1613.2.3 (Eqn 16-21)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	1.163g	Section 1613.2.4 (Eqn 16-22)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.723g*	Section 1613.2.4 (Eqn 16-23)

*Per Supplement 3 of ASCE 7-16, a ground motion hazard analysis (GMHA) shall be performed for projects on Site Class "D" sites with 1-second spectral acceleration (S1) greater than or equal to 0.2g, which is true for this site. However, Supplement 3 of ASCE 7-16 provides an exception stating that that the GMHA may be waived provided that the parameter SM1 is increased by 50% for all applications of SM1. The values for parameters SM1 and SD1 presented above have not been increased in accordance with Supplement 3 of ASCE 7-16.

The table below presents the mapped maximum considered geometric mean (MCE_G) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-16.

ASCE 7-16 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-16 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.775g	Figure 22-9
Site Coefficient, F_{PGA}	1.1	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.853g	Section 11.8.3 (Eqn 11.8-1)

Conformance to the criteria in the above tables for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

Plan Review

Grading and foundation plans should be reviewed by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to finalization to verify that the plans have been prepared in substantial conformance with the recommendations of this report and to provide additional analyses or recommendations.

If you have any questions regarding this letter, or if we may be of further service, please contact the undersigned.

Very truly yours,

GEOCON WEST, INC.



Jelisa Thomas Adams
GE 3092

(EMAIL) Addressee

GEOTECHNICAL INVESTIGATION

PROPOSED MULTI-FAMILY RESIDENTIAL DEVELOPMENT
1268, 1270 & 1290 WEST PACIFIC COAST HIGHWAY
25900 SOUTH FRAMPTON AVENUE
LOS ANGELES, CALIFORNIA

TRACT: PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO
BLOCK: 10, LOT: PT, ARB: 33 & 67

GEOCON
WEST, INC.

GEOTECHNICAL
ENVIRONMENTAL
MATERIALS

PREPARED FOR

RED OAK INVESTMENTS, LLC
IRVINE, CALIFORNIA

PROJECT NO. A9779-06-01

SEPTEMBER 27, 2018

Project No. A9779-06-01
Revised September 27, 2018

Mr. Alex Wong
Red Oak Investments LLC
4199 Campus Drive, #200
Irvine, California 92612

Subject: GEOTECHNICAL INVESTIGATION
PROPOSED MULTI-FAMILY RESIDENTIAL DEVELOPMENT
1268, 1270 & 1290 WEST PACIFIC COAST HIGHWAY
25900 SOUTH FRAMPTON AVENUE
LOS ANGELES, CALIFORNIA
TRACT: PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO
BLOCK: 10, LOT: PT, ARB: 33 & 67

Dear Mr. Wong:

In accordance with your authorization of our proposal dated March 9, 2018, we have performed a geotechnical investigation for the proposed residential development located at 1268, 1270, & 1280 West Pacific Coast Highway and 22900 South Frampton Avenue in the Harbor City district of the City of Los Angeles, California. The accompanying report presents the findings of our study, and our conclusions and recommendations pertaining to the geotechnical aspects of proposed design and construction. Based on the results of our investigation, it is our opinion that the site can be developed as proposed, provided the recommendations of this report are followed and implemented during design and construction.

If you have any questions regarding this report, or if we may be of further service, please contact the undersigned.

Very truly yours,

GEOCON WEST, INC.

REGISTERED PROFESSIONAL ENGINEER JELISA THOMAS ADAMS GE3092 GEOTECHNICAL STATE OF CALIFORNIA

PROFESSIONAL GEOLOGIST SUSAN FRANZEN KIRKGARD No. 1754 CERTIFIED ENGINEERING GEOLOGIST STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER NEAL D. BERLINER 2576 GEOTECHNICAL STATE OF CALIFORNIA

Jelisa Thomas Adams	Susan F. Kirkgard	Neal Berliner
GE 3092	CEG 1754	GE 2576

(EMAIL) Addressee

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GEOTECHNICAL INVESTIGATION

1. PURPOSE AND SCOPE

This report presents the results of a geotechnical investigation for the proposed multi-family residential development located at 1268, 1270, & 1280 West Pacific Coast Highway and 22900 South Frampton Avenue in the Harbor City section of the City of Los Angeles, California (see Vicinity Map, Figure 1). The purpose of the investigation was to evaluate subsurface soil and geologic conditions underlying the site and, based on conditions encountered, to provide conclusions and recommendations pertaining to the geotechnical aspects of design and construction.

The scope of this investigation included a site reconnaissance, field exploration, laboratory testing, engineering analysis, and the preparation of this report. The site was explored on June 6, 2018, by excavating four 8-inch diameter borings to depths between 30½ and 40½ feet below the existing ground surface utilizing a truck-mounted hollow-stem auger drilling machine. The approximate locations of the exploratory borings are depicted on the Site Plan (see Figure 2). A detailed discussion of the field investigation, including boring logs, is presented in Appendix A.

Laboratory tests were performed on selected soil samples obtained during the investigation to determine pertinent physical and chemical soil properties. Appendix B presents a summary of the laboratory test results.

The recommendations presented herein are based on analysis of the data obtained during the investigation and our experience with similar soil and geologic conditions. References reviewed to prepare this report are provided in the *List of References* section.

If project details vary significantly from those described herein, Geocon should be contacted to determine the necessity for review and possible revision of this report.

2. SITE AND PROJECT DESCRIPTION

The subject site is located at 1268, 1270, & 1280 West Pacific Coast Highway and 22900 South Frampton Avenue in the Harbor City section of the City of Los Angeles, California. The site is currently occupied by 3-acre mobile home community and 0.7 acre auto storage yard. The site is bounded by the Pacific Coast Highway (CA-1) to the north, an alley and two-story multifamily residential structures to the south, by an auto repair facility and medical center to the east, and by Frampton Avenue to the west. The site is relatively level, with no pronounced highs and lows. Surface water drainage at the site appears to be by sheet flow along the existing ground contours to the city streets. Vegetation onsite consists of trees, grasses and bushes generally confined to planter areas.

It is our understanding that the proposed development will consist of a wrap style development with a central parking structure surrounded by residential units. The development will consist of five stories of multi-family residential housing surrounding a five-story parking structure constructed at or near existing grade. The proposed development is depicted on the Site Plan (see Figure 2).

Based on the preliminary nature of the design at this time, wall and column loads were not available. It is anticipated that column loads for the proposed residential structure will be up to 500 kips, and wall loads will be up to 5 kips per linear foot. It is anticipated that column loads for the proposed parking structure will be up to 900 kips, and wall loads will be up to 9 kips per linear foot.

Once the design phase and foundation loading configuration proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Any changes in the design, location or elevation of any structure, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

3. GEOLOGIC SETTING

The site is located in the southern Torrance Plain, a broad nearly flat alluviated area situated in the southwestern portion of the Los Angeles Coastal Plain, northeast of the Palos Verdes Hills (California Department of Water Resources, 1961). The Torrance Plain is a Pleistocene age marine surface only slightly dissected by local streams. Both fresh water and marine fossils are commonly found at shallow depths below the surface of the plain, suggesting that there were periods of complete or nearly complete emergence of the land between periods of subsidence. Regionally, the site is located within the Peninsular Ranges geomorphic province, which is characterized by elongate northwest-trending mountain ridges separated by straight-sided sediment-filled valleys. The northwest trend is further reflected in the direction of the dominant geologic structural features of the province that are northwest to west-northwest trending folds and faults, such as the nearby Palos Verdes Fault Zone located approximately 0.5 mile southwest of the site.

4. SOIL AND GEOLOGIC CONDITIONS

Based on our field investigation and published geologic maps of the area, the site is underlain by artificial fill and Pleistocene age older alluvial deposits consisting of varying amounts of clay and fine sand (CGS, 2010). Detailed stratigraphic profiles are provided on the boring logs in Appendix A.

4.1 Artificial Fill

Artificial fill was encountered in our field explorations to a maximum depth of 2 feet below existing ground surface. The artificial fill generally consists of dark gray lean clay. The artificial fill is characterized as moist and hard. The fill is likely the result of past grading or construction activities at the site. Deeper fill may exist between excavations and in other portions of the site that were not directly explored.

4.2 Alluvium

Pleistocene age alluvial deposits were encountered beneath the fill. The alluvium consists of light brown to brown, light gray to gray, and grayish brown interbedded clay, sandy silt, silty sand, and poorly graded sand. The alluvium is characterized as moist and soft to hard or dense to very dense. Cohesive deposits were characterized as low to medium plasticity with some localized calcium carbonate accumulation.

5. GROUNDWATER

Review of the Seismic Hazard Zone Report for the Torrance Quadrangle (California Division of Mines and Geology [CDMG], 1998) indicates the historically highest groundwater level in the area is approximately 10 feet beneath the ground surface. Groundwater information presented in this document is generated from data collected in the early 1900's to the late 1990s. Based on current groundwater basin management practices, it is unlikely that groundwater levels will ever exceed the historic high levels.

Groundwater was not encountered in our field explorations drilled to a maximum depth of 40½ feet below the existing ground surface. Considering the lack of groundwater in our borings and the depth of the proposed construction, it is anticipated that groundwater will not be encountered during construction. However, it is not uncommon for groundwater levels to vary seasonally or for groundwater seepage conditions to develop where none previously existed, especially in impermeable fine-grained soils which are heavily irrigated or after seasonal rainfall. In addition, recent requirements for storm water infiltration could result in shallower seepage conditions in the immediate site vicinity. Proper surface drainage of irrigation and precipitation will be critical for future performance of the project. Recommendations for drainage are provided in the S*urface Drainage* section of this report (see Section 7.20).

6. GEOLOGIC HAZARDS

6.1 Surface Fault Rupture

The numerous faults in Southern California include active, potentially active, and inactive faults. The criteria for these major groups are based on criteria developed by the California Geological Survey (CGS, formerly known as CDMG) for the Alquist-Priolo Earthquake Fault Zone Program (CGS, 2018a). By definition, an active fault is one that has had surface displacement within Holocene time (about the last 11,700 years). A potentially active fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years), but has had no known Holocene movement. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not within a state-designated Alquist-Priolo Earthquake Fault Zone (CGS, 2018b; CDMG, 1986) or a city-designated Preliminary Fault Rupture Study Area (City of Los Angeles, 2018) for surface fault rupture hazards. No active or potentially active faults with the potential for surface fault rupture are known to pass directly beneath the site. Therefore, the potential for surface rupture due to faulting

occurring beneath the site during the design life of the proposed development is considered low. However, the site is located in the seismically active Southern California region, and could be subjected to moderate to strong ground shaking in the event of an earthquake on one of the many active Southern California faults. The faults in the vicinity of the site are shown in Figure 3, Regional Fault Map.

The closest surface trace of an active fault to the site is the Palos Verdes Fault Zone located approximately 0.5 mile to the southwest (CDMG, 1986; CGS, 2018b). Other nearby active faults are the Newport-Inglewood Fault Zone, the Cabrillo Fault (Offshore Segment), the Santa Monica Fault Zone, the Hollywood Fault Zone, and the Whittier Fault Zone located approximately 5.3 miles east-northeast, 6.0 miles south-southeast, 20 miles north, 21 miles north, and 21 miles northeast of the site, respectively (Ziony and Jones, 1989). The active San Andreas Fault Zone is located approximately 52 miles northeast of the site.

Several buried thrust faults, commonly referred to as blind thrusts, underlie the Los Angeles Basin at depth. These faults are not exposed at the ground surface and are typically identified at depths greater than 3.0 kilometers. The October 1, 1987, M_w 5.9 Whittier Narrows earthquake and the January 17, 1994, M_w 6.7 Northridge earthquake were a result of movement on the Puente Hills Blind Thrust and the Northridge Thrust, respectively. These thrust faults and others in the Los Angeles area are not exposed at the surface and do not present a potential surface fault rupture hazard at the site; however, these deep thrust faults are considered active features capable of generating future earthquakes that could result in moderate to significant ground shaking at the site.

6.2 Seismicity

As with all of Southern California, the site has experienced historic earthquakes from various regional faults. The seismicity of the region surrounding the site was formulated based on research of an electronic database of earthquake data. The epicenters of recorded earthquakes with magnitudes equal to or greater than 5.0 in the site vicinity are depicted on Figure 4, Regional Seismicity Map. A partial list of moderate to major magnitude earthquakes that have occurred in the Southern California area within the last 100 years is included in the following table.

LIST OF HISTORIC EARTHQUAKES

Earthquake (Oldest to Youngest)	Date of Earthquake	Magnitude	Distance to Epicenter (Miles)	Direction to Epicenter
San Jacinto-Hemet area	April 21, 1918	6.8	75	E
Near Redlands	July 23, 1923	6.3	62	ENE
Long Beach	March 10, 1933	6.4	22	ESE
Tehachapi	July 21, 1952	7.5	93	NW
San Fernando	February 9, 1971	6.6	43	N
Whittier Narrows	October 1, 1987	5.9	23	NE
Sierra Madre	June 28, 1991	5.8	37	NE
Landers	June 28, 1992	7.3	110	ENE
Big Bear	June 28, 1992	6.4	89	ENE
Northridge	January 17, 1994	6.7	32	NNW
Hector Mine	October 16, 1999	7.1	129	ENE

The site could be subjected to strong ground shaking in the event of an earthquake. However, this hazard is common in Southern California and the effects of ground shaking can be mitigated if the proposed structures are designed and constructed in conformance with current building codes and engineering practices.

6.3 Seismic Design Criteria

The following table summarizes summarizes site-specific design criteria obtained from the 2016 California Building Code (CBC; Based on the 2015 International Building Code [IBC] and ASCE 7-10), Chapter 16 Structural Design, Section 1613 Earthquake Loads. The data was calculated using the computer program *U.S. Seismic Design Maps*, provided by the USGS. The short spectral response uses a period of 0.2 second. We evaluated the Site Class based on the discussion in Section 1613.3.2 of the 2016 CBC and Table 20.3-1 of ASCE 7-10. The values presented below are for the risk-targeted maximum considered earthquake (MCE_R).

2016 CBC SEISMIC DESIGN PARAMETERS

Parameter	Value	2016 CBC Reference
Site Class	D	Section 1613.3.2
MCE_R Ground Motion Spectral Response Acceleration – Class B (short), S_S	1.664 g	Figure 1613.3.1(1)
MCE_R Ground Motion Spectral Response Acceleration – Class B (1 sec), S_1	0.641g	Figure 1613.3.1(2)
Site Coefficient, F_A	1.0	Table 1613.3.3(1)
Site Coefficient, F_V	1.5	Table 1613.3.3(2)
Site Class Modified MCE_R Spectral Response Acceleration (short), S_{MS}	1.664 g	Section 1613.3.3 (Eqn 16-37)
Site Class Modified MCE_R Spectral Response Acceleration – (1 sec), S_{M1}	0.961 g	Section 1613.3.3 (Eqn 16-38)
5% Damped Design Spectral Response Acceleration (short), S_{DS}	1.110 g	Section 1613.3.4 (Eqn 16-39)
5% Damped Design Spectral Response Acceleration (1 sec), S_{D1}	0.641 g	Section 1613.3.4 (Eqn 16-40)

The table below presents the mapped maximum considered geometric mean (MCE_G) seismic design parameters for projects located in Seismic Design Categories of D through F in accordance with ASCE 7-10.

ASCE 7-10 PEAK GROUND ACCELERATION

Parameter	Value	ASCE 7-10 Reference
Mapped MCE_G Peak Ground Acceleration, PGA	0.669 g	Figure 22-7
Site Coefficient, F_{PGA}	1.0	Table 11.8-1
Site Class Modified MCE_G Peak Ground Acceleration, PGA_M	0.669 g	Section 11.8.3 (Eqn 11.8-1)

The Maximum Considered Earthquake Ground Motion (MCE) is the level of ground motion that has a 2 percent chance of exceedance in 50 years, with a statistical return period of 2,475 years. According to the 2016 California Building Code and ASCE 7-10, the MCE is to be utilized for the evaluation of liquefaction, lateral spreading, seismic settlements, and it is our understanding that the intent of the Building code is to maintain "Life Safety" during a MCE event. The Design Earthquake Ground Motion (DE) is the level of ground motion that has a 10 percent chance of exceedance in 50 years, with a statistical return period of 475 years.

Deaggregation of the MCE peak ground acceleration was performed using the USGS online Unified Hazard Tool, 2008 Conterminous U.S. Dynamic edition. The result of the deaggregation analysis indicates that the predominant earthquake contributing to the MCE peak ground acceleration is characterized as a 6.94 magnitude event occurring at a hypocentral distance of 4.73 kilometers from the site.

Deaggregation was also performed for the Design Earthquake (DE) peak ground acceleration, and the result of the analysis indicates that the predominant earthquake contributing to the DE peak ground acceleration is characterized as a 6.74 magnitude occurring at a hypocentral distance of 14.01 kilometers from the site.

Conformance to the criteria in the above tables for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a large earthquake occurs. The primary goal of seismic design is to protect life, not to avoid all damage, since such design may be economically prohibitive.

6.4 Liquefaction Potential

Liquefaction is a phenomenon in which loose, saturated, relatively cohesionless soil deposits lose shear strength during strong ground motions. Primary factors controlling liquefaction include intensity and duration of ground motion, gradation characteristics of the subsurface soils, in-situ stress conditions, and the depth to groundwater. Liquefaction is typified by a loss of shear strength in the liquefied layers due to rapid increases in pore water pressure generated by earthquake accelerations.

The current standard of practice, as outlined in the "Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California" and "Special Publication 117A, Guidelines for Evaluating and Mitigating Seismic Hazards in California" requires liquefaction analysis to a depth of 50 feet below the lowest portion of the proposed structure. Liquefaction typically occurs in areas where the soils below the water table are composed of poorly consolidated, fine to medium-grained, primarily sandy soil. In addition to the requisite soil conditions, the ground acceleration and duration of the earthquake must also be of a sufficient level to induce liquefaction.

The State of California Seismic Hazard Zone Map for the Torrance Quadrangle (CDMG, 1999) indicates that the site is not located within an area designated as having a potential for liquefaction. In addition, a review of the County of Los Angeles Seismic Safety Element (Leighton, 1990) indicates that the site is not located within an area identified as having a potential for liquefaction. The site is underlain by dense Pleistocene age alluvial deposits that are not prone to liquefaction. Based on these considerations, it is our opinion that the potential for liquefaction and associated ground deformations beneath the site is very low.

6.5 Slope Stability

The topography at the site is relatively level and the topography in the immediate site vicinity slopes very gently to the east. The site is not located within a City of Los Angeles Hillside Grading Area or a Hillside Ordinance Area (City of Los Angeles, 2018). Additionally, the site is not located within an area identified as having a potential for seismic slope instability (CDMG, 1999). There are no known landslides near the site, nor is the site in the path of any known or potential landslides. Therefore, the potential for slope stability hazards to adversely affect the proposed development is considered low.

6.6 Earthquake-Induced Flooding

Earthquake-induced flooding is inundation caused by failure of dams or other water-retaining structures due to earthquakes. Based on a review of the Los Angeles County Safety Element (Leighton, 1990), the site is not located within a potential inundation area for an earthquake-induced dam failure. Therefore, the probability of earthquake-induced flooding is considered very low.

6.7 Tsunamis, Seiches, and Flooding

The site is located approximately 1.7 miles north of Los Angeles Harbor. Tsunami inundation hazard maps prepared by the State of California indicate the site is not located within a tsunami inundation area (CGS, 2009). Therefore, tsunamis are not considered a significant hazard at the site.

Seiches are large waves generated in enclosed bodies of water in response to ground shaking. No major water-retaining structures are located immediately up gradient from the project site. Therefore, flooding resulting from a seismically-induced seiche is considered unlikely.

The site is within an area of minimal flooding (Zone X) as defined by the Federal Emergency Management Agency (FEMA, 2018; LACDPW, 2018b).

6.8 Oil Fields & Methane Potential

Based on a review of the California Division of Oil, Gas and Geothermal Resources (DOGGR) Well Finder website, the site is not located within the limits of an oilfield (DOGGR, 2018). The Torrance Oil Field is located approximately 1,600 feet north of the site. The closest documented well is the O'Donnell Oil, LLC "Dawn" Well No. 2 located approximately 4,000 feet northeast of the site. This well is a plugged oil and gas exploration well (DOGGR, 2018). Due to the voluntary nature of record reporting by the oil well drilling companies, wells may be improperly located or not shown on the location map and undocumented wells could be encountered during construction. Any wells encountered during construction will need to be properly abandoned in accordance with the current requirements of the DOGGR.

The site is located within a city-designated Methane Zone (City of Los Angeles, 2018). A methane study is required by the City of Los Angeles for the proposed development. It is recommended that a qualified methane consultant be retained to perform the study and provide mitigation measures as necessary.

6.9 Subsidence

Subsidence occurs when a large portion of land is displaced vertically, usually due to the withdrawal of groundwater, oil, or natural gas. Soils that are particularly subject to subsidence include those with high silt or clay content. The site is not located within an area of known ground subsidence. No large-scale extraction of groundwater, gas, oil, or geothermal energy is occurring or planned at the site or in the general site vicinity. There appears to be little or no potential for ground subsidence due to withdrawal of fluids or gases at the site.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1 General

7.1.1 It is our opinion that neither soil nor geologic conditions were encountered during the investigation that would preclude the construction of the proposed development provided the recommendations presented herein are followed and implemented during design and construction.

7.1.2 Up to 2 feet of existing artificial fill was encountered during the site investigation. The existing fill encountered is believed to be the result of past grading and construction activities at the site. Deeper fill may exist in other areas of the site that were not directly explored. Future demolition of the existing commercial structures which occupy the site will likely disturb the upper few feet of soil below those existing improvements. It is our opinion that the existing fill and upper alluvial soils in their present condition are not suitable for direct support of proposed foundations or slabs. The existing fill and site soils are suitable for re-use as engineered fill provided the recommendations in the *Grading* section of this report are followed (see Section 7.4).

7.1.3 Based on these considerations, it is recommended that the upper 4 feet of existing earth materials within the building footprint area be excavated and properly compacted for foundation and slab support. Deeper excavations should be conducted as needed to remove any encountered fill or soft soils as necessary at the direction of the Geotechnical Engineer (a representative of Geocon). The excavation should extend laterally a minimum distance of 3 feet beyond the building footprint areas, including building appurtenances, or a distance equal to the depth of fill below the foundation, whichever is greater. The limits of existing fill and/or soft soil removal will be verified by the Geocon representative during site grading activities. Recommendations for earthwork are provided in the *Grading* section of this report (see Section 7.4).

7.1.4 Subsequent to the recommended grading, the proposed structure may be supported on a conventional shallow spread foundation system deriving support in newly placed engineered fill and or competent undisturbed alluvium at or below a depth of 4 feet below the ground surface.

7.1.5 Where subterranean structures are planned (Elevator Pits and Swimming Pool), the structure may be supported on a conventional foundation system bearing in the undisturbed alluvial soils found at or below a minimum depth of 4 feet below the ground surface. Foundations should be deepened as necessary to penetrate through any encountered soft or unsuitable soils at the direction of the Geotechnical Engineer (a representative of Geocon).

7.1.6 All excavations must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon). Prior to placing any fill, the upper 12 inches of the excavation bottom must be scarified, moistened, and proof-rolled with heavy equipment in the presence of the Geotechnical Engineer (a representative of Geocon West, Inc.).

7.1.7 It is anticipated that stable excavations for the recommended grading associated with the proposed structure can be achieved with sloping measures. However, if excavations in close proximity to an adjacent property line and/or structure are required, special excavation measures may be necessary in order to maintain lateral support of offsite improvements. Excavation recommendations are provided in the *Temporary Excavations* section of this report (Section 7.18).

7.1.8 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures, which will not be tied to the proposed structure, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed or is undesirable, foundations may derive support directly in the competent undisturbed alluvial soils found at or below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12-inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.1.9 Where new paving is to be placed, it is recommended that all existing fill and soft alluvial soils be excavated and properly compacted for paving support. The client should be aware that excavation and compaction of all existing fill and soft alluvial soils in the area of new paving is not required; however, paving constructed over existing uncertified fill or unsuitable alluvial soil may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of subgrade soil should be scarified and properly compacted for paving support. Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.12).

7.1.10 Based on the results of percolation testing performed at the site, a stormwater infiltration system is not considered feasible for this project. Results of percolation testing are provided in the *Stormwater Infiltration* section of this report (see Section 7.19).

7.1.11 Once the design and foundation loading configuration for the proposed structure proceeds to a more finalized plan, the recommendations within this report should be reviewed and revised, if necessary. Based on the final foundation loading configurations, the potential for settlement should be re-evaluated by this office.

7.1.12 Any changes in the design, location or elevation, as outlined in this report, should be reviewed by this office. Geocon should be contacted to determine the necessity for review and possible revision of this report.

7.2 Soil and Excavation Characteristics

7.2.1 The in-situ soils can be excavated with moderate effort using conventional excavation equipment. Some caving should be anticipated in unshored excavations, especially where granular and/or saturated soils are encountered.

7.2.2 It is the responsibility of the contractor to ensure that all excavations and trenches are properly shored and maintained in accordance with applicable OSHA rules and regulations to maintain safety and maintain the stability of existing adjacent improvements.

7.2.3 All onsite excavations must be conducted in such a manner that potential surcharges from existing structures, construction equipment, and vehicle loads are resisted. The surcharge area may be defined by a 1:1 projection down and away from the bottom of an existing foundation or vehicle load. Penetrations below this 1:1 projection will require special excavation measures such as sloping or shoring. Excavation recommendations are provided in the *Temporary Excavations* section of this report (see Section 7.18).

7.2.4 The upper 5 feet of existing site soils encountered during this investigation are considered to have a "moderate" expansive potential (EI = 57); and are classified as "expansive" based on the 2016 California Building Code (CBC) Section 1803.5.3. The recommendations presented herein assume that foundations and slabs at the ground surface will derive support in these materials.

7.3 Minimum Resistivity, pH, and Water-Soluble Sulfate

7.3.1 Potential of Hydrogen (pH) and resistivity testing as well as chloride content testing were performed on representative samples of soil to generally evaluate the corrosion potential to surface utilities. The tests were performed in accordance with California Test Method Nos. 643 and 422 and indicate that the soils are considered "corrosive" with respect to corrosion of buried ferrous metals on site. The results are presented in Appendix B (Figure B6) and should be considered for design of underground structures.

7.3.2 Laboratory tests were performed on representative samples of the site materials to measure the percentage of water-soluble sulfate content. Results from the laboratory water-soluble sulfate tests are presented in Appendix B (Figure B6) and indicate that the on-site materials possess a sulfate exposure class of "S0" to concrete structures as defined by 2016 CBC Section 1904 and ACI 318-14 Table 19.3.1.1.

7.3.3 Geocon West, Inc. does not practice in the field of corrosion engineering and mitigation. If corrosion sensitive improvements are planned, it is recommended that a corrosion engineer be retained to evaluate corrosion test results and incorporate the necessary precautions to avoid premature corrosion of buried metal pipes and concrete structures in direct contact with the soils.

7.4 Grading

7.4.1 Earthwork should be observed, and compacted fill tested by representatives of Geocon West, Inc. The existing fill and alluvial soil encountered during exploration is suitable for re-use as engineered fill, provided any encountered oversize material (greater than 6 inches) and any encountered deleterious debris are removed.

7.4.2 A preconstruction conference should be held at the site prior to the beginning of grading operations with the owner, contractor, civil engineer, geotechnical engineer, and building official in attendance. Special soil handling requirements can be discussed at that time.

7.4.3 Grading should commence with the removal of all existing vegetation and existing improvements from the area to be graded. Deleterious debris such as wood and root structures should be exported from the site and should not be mixed with the fill soils. Asphalt and concrete should not be mixed with the fill soils unless approved by the Geotechnical Engineer. All existing underground improvements planned for removal should be completely excavated and the resulting depressions properly backfilled in accordance with the procedures described herein. Once a clean excavation bottom has been established it must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.).

7.4.4 As a minimum, it is recommended that the upper 4 feet of existing earth materials within the proposed building footprint area be excavated and properly compacted for foundation and slab support. Deeper excavations should be conducted as necessary to remove deeper artificial fill or soft alluvial soil at the direction of the Geotechnical Engineer (a representative of Geocon). The excavation should extend laterally a minimum distance of 3 feet beyond the building footprint area, including building appurtenances, or a distance equal to the depth of fill below the foundation, whichever is greater. The limits of existing fill and/or soft alluvial soils removal will be verified by the Geocon representative during site grading activities.

7.4.5 All excavations must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon). Prior to placing any fill, the upper 12 inches of the excavation bottom must be scarified, moistened, and proof-rolled with heavy equipment in the presence of the Geotechnical Engineer (a representative of Geocon West, Inc.).

7.4.6 The City of Los Angeles Department of Building and Safety requires a minimum compactive effort of 95 percent of the laboratory maximum dry density in accordance with ASTM D 1557 (latest edition) where the soils to be utilized in the fill have less than 15 percent finer than 0.005 millimeters. Soils with more than 15 percent finer than 0.005 millimeters may be compacted to 90 percent of the laboratory maximum dry density in accordance with ASTM D 1557 (latest edition). It is anticipated that the soils encountered during the site exploration would require the minimum 90 percent relative compaction requirement; however additional laboratory testing can be performed during construction to verify the compaction requirement. All fill and backfill soils should be placed in horizontal loose layers approximately 6 to 8 inches thick, moisture conditioned to 2 percent above optimum moisture content, and properly compacted to a minimum 90 percent of the maximum dry density in accordance with ASTM D 1557 (latest edition).

7.4.7. Where new paving is to be placed, it is recommended that all existing fill and soft alluvium be excavated and properly compacted for paving support. As a minimum, the upper 12 inches of soil should be scarified, moisture conditioned to approximately 2 percent above optimum moisture content, and compacted to at least 95 percent relative compaction, as determined by ASTM D 1557 (latest edition). Paving recommendations are provided in *Preliminary Pavement Recommendations* section of this report (see Section 7.12).

7.4.8 Foundations for small outlying structures, such as block walls up to 6 feet high, planter walls or trash enclosures, which will not be tied to the proposed building, may be supported on conventional foundations deriving support on a minimum of 12 inches of newly placed engineered fill, which extends laterally at least 12 inches beyond the foundation area. Where excavation and proper compaction cannot be performed or is undesirable, foundations may derive support directly in the competent undisturbed alluvial soils found at or below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12-inch embedment into the recommended bearing materials. If the soils exposed in the excavation bottom are soft or loose, compaction of the soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative.

7.4.9 Although not anticipated for this project, all imported fill shall be observed, tested, and approved by Geocon West, Inc. prior to bringing soil to the site. Rocks larger than 6 inches in diameter shall not be used in the fill. If necessary, import soils used as structural fill should have an expansion index less than 20 and soil corrosivity properties that are equally or less detrimental to that of the existing onsite soils (see Figure B6). Import soils placed in the building area should be placed uniformly across the building pad or in a manner that is approved by the Geotechnical Engineer (a representative of Geocon).

7.4.10 Utility trenches should be properly backfilled in accordance with the requirements of the Green Book (latest edition). The pipe should be bedded with clean sands (Sand Equivalent greater than 30) to a depth of at least 1 foot over the pipe, and the bedding material must be inspected and approved in writing by the Geotechnical Engineer (a representative of Geocon). The use of gravel is not acceptable unless used in conjunction with filter fabric to prevent the gravel from having direct contact with soil. The remainder of the trench backfill may be derived from onsite soil or approved import soil, compacted as necessary, until the required compaction is obtained. The use of minimum 2-sack slurry is also acceptable as backfill (see Section 7.5). Prior to placing any bedding materials or pipes, the excavation bottom must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon).

7.4.11 All trench and foundation excavation bottoms must be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon), prior to placing bedding materials, fill, steel, gravel or concrete.

7.5 Controlled Low Strength Material (CLSM)

7.5.1 Controlled Low Strength Material (CLSM) may be utilized in lieu of compacted soil as engineered fill where approved in writing by the Geotechnical Engineer. Where utilized within the City of Los Angeles, use of CLSM is subject to the following requirements:

Standard Requirements

1. CLSM shall be ready-mixed by a City of Los Angeles approved batch plant;
2. CLSM shall not be placed on uncertified fill, on incompetent natural soil, nor below water;
3. CLSM shall not be placed on a sloping surface with a gradient steeper than 5:1 (horizontal to vertical);
4. Placement of the CLSM shall be under the continuous inspection of a concrete deputy inspector;
5. The excavation bottom shall be accepted by the soil engineer and the City Inspector prior to placing CLSM.

Requirements for CLSM that will be used for support of footings

1. The cement content of the CLSM shall not be less than 188 pounds per cubic yard (min. two sacks);
2. The excavation bottom must be level, cleaned of loose soils and approved in writing by Geocon prior to placement of the CLSM;
3. The ultimate compressive strength of the CLSM shall be no less than 100 pounds per square inch (psi) when tested on the 28th-day per ASTM D4832 (latest edition), Standard Test Method for Preparation and Testing of Controlled Low Strength Material Test Cylinders. Compression testing will be performed in accordance with ASTM C39 and City of Los Angeles requirements;
4. Samples of the CLSM will be collected during placement, a minimum of one test (two cylinders) for each 50 cubic yards or fraction thereof;
5. Overexcavation for CLSM placement shall extend laterally beyond the footprint of any proposed footings as required for placement of compacted fill, unless justified otherwise by the soil engineer that footings will have adequate vertical and horizontal bearing capacity.

7.6 Shrinkage

7.6.1 Shrinkage results when a volume of material removed at one density is compacted to a higher density. A shrinkage factor of between 5 and 10 percent should be anticipated when excavating and compacting the upper 5 feet of existing earth materials on the site to an average relative compaction of 95 percent.

7.6.2 If import soils will be utilized in the building pad, the soils must be placed uniformly and at equal thickness at the direction of the Geotechnical Engineer (a representative of Geocon West, Inc.). Soils can be borrowed from non-building pad areas and later replaced with imported soils.

7.7 Conventional Foundation Design

7.7.1 Subsequent to the recommended grading, a conventional shallow spread foundation system may be utilized for support of the proposed structure provided foundations derive support in newly placed engineered fill and or competent undisturbed alluvium at or below a depth of 4 feet below the ground surface.

7.7.2 Continuous footings may be designed for an allowable bearing capacity of 3,500 pounds per square foot (psf), and should be a minimum of 18 inches in width, 24 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.7.3 Isolated spread foundations may be designed for an allowable bearing capacity of 4,000 psf, and should be a minimum of 24 inches in width, 24 inches in depth below the lowest adjacent grade, and 12 inches into the recommended bearing material.

7.7.4 The allowable soil bearing pressure above may be increased by 250 psf and 700 psf for each additional foot of foundation width and depth, respectively, up to a maximum allowable soil bearing pressure of 5,000 psf.

7.7.5 The allowable bearing pressures may be increased by one-third for transient loads due to wind or seismic forces.

7.7.6 If depth increases are utilized for the perimeter foundations, this office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.7.7 Continuous footings should be reinforced with four No. 4 steel reinforcing bars, two placed near the top of the footing and two near the bottom. Reinforcement for spread footings should be designed by the project structural engineer.

7.7.8 The above foundation dimensions and minimum reinforcement recommendations are based on soil conditions and building code requirements only, and are not intended to be used in lieu of those required for structural purposes.

7.7.9 Due to the expansive potential of the subgrade soils, the moisture content in the slab and foundation subgrade should be maintained at optimum moisture content prior to and at the time of concrete placement.

7.7.10 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated. If unanticipated soil conditions are encountered, foundation modifications may be required.

7.7.11 This office should be provided a copy of the final construction plans so that the excavation recommendations presented herein could be properly reviewed and revised if necessary.

7.8 Foundation Settlement

7.8.1 The maximum expected static settlement for a structure supported on a conventional foundation system deriving support in the recommended bearing materials and designed with a maximum bearing pressure of 3,500 psf is estimated to be less than 1-inch and occur below the heaviest loaded structural element. Settlement of the foundation system is expected to occur on initial application of loading. Differential settlement is not expected to exceed ½-inch over a distance of 20 feet.

7.8.2 The maximum expected static settlement for a structure supported on a conventional foundation system deriving support in the recommended bearing materials and designed with a maximum bearing pressure of 5,000 psf is estimated to be less than 1¼-inch and occur below the heaviest loaded structural element. Settlement of the foundation system is expected to occur on initial application of loading. Differential settlement is not expected to exceed ¾-inch over a distance of 20 feet.

7.8.3 If side by side construction is planned for the residential structure and parking structure it is recommended that the parking structure be constructed prior to the adjacent residential structure in order to allow the majority of the static settlement to occur. This will help to minimize differential settlements between the two structures. The utilization of a lesser bearing value would further reduce the anticipated settlements and could be evaluated further once the design becomes more finalized.

7.8.4 Once the design and foundation loading configurations for the proposed structures proceeds to a more finalized plan, the estimated settlements presented in this report should be reviewed and revised, if necessary. If the final foundation loading configurations are greater than the assumed loading conditions, the potential for settlement should be reevaluated by this office.

7.9 Miscellaneous Foundations

7.9.1 Foundations for small outlying structures, such as block walls up to 6 feet in height, planter walls or trash enclosures, which will not be tied to the proposed structure may be supported on conventional foundations bearing on a minimum of 12 inches of newly placed engineered fill which extends laterally at least 12 inches beyond the foundation area. Where excavation and compaction cannot be performed or is undesirable, such as adjacent to property lines, foundations may derive support in the undisturbed alluvial soils found at or below a depth of 24 inches, and should be deepened as necessary to maintain a minimum 12-inch embedment into the recommended bearing materials.

7.9.2 If the soils exposed in the excavation bottom are soft, compaction of the soft soils will be required prior to placing steel or concrete. Compaction of the foundation excavation bottom is typically accomplished with a compaction wheel or mechanical whacker and must be observed and approved by a Geocon representative. Miscellaneous foundations may be designed for a bearing value of 1,500 psf, and should be a minimum of 12 inches in width, 24 inches in depth below the lowest adjacent grade and 12 inches into the recommended bearing material. The allowable bearing pressure may be increased by up to one-third for transient loads due to wind or seismic forces.

7.9.3 Foundation excavations should be observed and approved in writing by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to the placement of reinforcing steel and concrete to verify that the excavations and exposed soil conditions are consistent with those anticipated.

7.10 Lateral Design

7.10.1 Resistance to lateral loading may be provided by friction acting at the base of foundations, slabs and by passive earth pressure. An allowable coefficient of friction of 0.30 may be used with the dead load forces in properly compacted engineered fill or in competent alluvial soils.

7.10.2 Passive earth pressure for the sides of foundations and slabs poured against properly compacted engineered fill or competent alluvial soils may be computed as an equivalent fluid having a density of 240 pounds per cubic foot (pcf) with a maximum earth pressure of 2,400 psf. When combining passive and friction for lateral resistance, the passive component should be reduced by one-third.

7.11 Concrete Slabs-on-Grade

7.11.1 Unless specifically designed and evaluated by the project structural engineer, the concrete slab-on-grade for the parking structure, subject to vehicle loading, should be a minimum of 6 inches thick and reinforced with No. 4 steel reinforcing bars placed 16 inches on center in both horizontal directions. Concrete paving supporting vehicular traffic should be underlain by a minimum of 4 inches of aggregate base and a properly compacted subgrade. The subgrade and base material should be compacted to 95 percent relative compaction as determined by ASTM Test Method D 1557 (latest edition).

7.11.2 Subsequent to the recommended grading, concrete slabs-on-grade for structures, not subject to vehicle loading, should be a minimum of 4 inches thick and minimum slab reinforcement should consist of No. 4 steel reinforcing bars placed 16 inches on center in both horizontal directions. Steel reinforcing should be positioned vertically near the slab midpoint.

7.11.3 Slabs-on-grade at the ground surface that may receive moisture-sensitive floor coverings or may be used to store moisture-sensitive materials should be underlain by a vapor retarder placed directly beneath the slab. The vapor retarder and acceptable permeance should be specified by the project architect or developer based on the type of floor covering that will be installed. The vapor retarder design should be consistent with the guidelines presented in Section 9.3 of the American Concrete Institute's (ACI) Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials (ACI 302.2R-06) and should be installed in general conformance with ASTM E 1643 (latest edition) and the manufacturer's recommendations. A minimum thickness of 15 mils extruded polyolefin plastic is recommended; vapor retarders which contain recycled content or woven materials are not recommended. The vapor retarder should have a permeance of less than 0.01 perms demonstrated by testing before and after mandatory conditioning is recommended. The vapor retarder should be installed in direct contact with the concrete slab with proper perimeter seal. If the California Green Building Code requirements apply to this project, the vapor retarder should be underlain by 4 inches of clean aggregate. It is important that the vapor retarder be puncture resistant since it will be in direct contact with angular gravel. As an alternative to the clean aggregate suggested in the Green Building Code, it is our opinion that the concrete slab-on-grade may be underlain by a vapor retarder over 4 inches of clean sand (sand equivalent greater than 30), since the sand will serve a capillary break and will minimize the potential for punctures and damage to the vapor barrier.

7.11.4 For seismic design purposes, a coefficient of friction of 0.30 may be utilized between concrete slabs and subgrade soils without a moisture barrier, and 0.15 for slabs underlain by a moisture barrier.

7.11.5 Exterior slabs for walkways or flatwork, not subject to traffic loads, should be at least 4 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions, positioned near the slab midpoint. Prior to construction of slabs, the upper 12 inches of subgrade should be moistened to optimum moisture content and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition). Crack control joints should be spaced at intervals not greater than 8 feet and should be constructed using saw-cuts or other methods as soon as practical following concrete placement. Crack control joints should extend a minimum depth of one-fourth the slab thickness. The project structural engineer should design construction joints as necessary.

7.11.6 Due to the expansive potential of the site soils, exterior slabs for walkways or flatwork should be doweled into surrounding curbs and foundations where possible in order to minimize movements in the paving due to underlying expansive soil movements. As an alternative, replacing the upper 12 inches of subgrade soil with non-expansive sand will help to minimize movements. Offsets in paving can lead to potential tripping hazards; therefore periodic observation of walkways is recommended.

7.11.7 The recommendations of this report are intended to reduce the potential for cracking of slabs due to settlement. However, even with the incorporation of the recommendations presented herein, foundations, stucco walls, and slabs-on-grade may exhibit some cracking due to minor soil movement and/or concrete shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.

7.12 Preliminary Pavement Recommendations

7.12.1 Where new paving is to be placed, it is recommended that all existing fill and soft or unsuitable alluvial materials be excavated and properly recompacted for paving support. The client should be aware that excavation and compaction of all existing artificial fill and soft alluvium in the area of new paving is not required; however, paving constructed over existing unsuitable material may experience increased settlement and/or cracking, and may therefore have a shorter design life and increased maintenance costs. As a minimum, the upper 12 inches of paving subgrade should be scarified, moisture conditioned to optimum moisture content, and properly compacted to at least 95 percent relative compaction, as determined by ASTM Test Method D 1557 (latest edition).

7.12.2 The following pavement sections are based on an assumed R-Value of 20. Once site grading activities are complete an R-Value should be obtained by laboratory testing to confirm the properties of the soils serving as paving subgrade, prior to placing pavement.

7.12.3 The Traffic Indices listed below are estimates. Geocon does not practice in the field of traffic engineering. The actual Traffic Index for each area should be determined by the project civil engineer. If pavement sections for Traffic Indices other than those listed below are required, Geocon should be contacted to provide additional recommendations. Pavement thicknesses were determined following procedures outlined in the *California Highway Design Manual* (Caltrans). It is anticipated that the majority of traffic will consist of automobile and large truck traffic.

PRELIMINARY PAVEMENT DESIGN SECTIONS

Location	Estimated Traffic Index (TI)	Asphalt Concrete (inches)	Class 2 Aggregate Base (inches)
Automobile Parking And Driveways	4.0	3.0	4.0
Trash Truck & Fire Lanes	7.0	4.0	12.0

7.12.4 Asphalt concrete should conform to Section 203-6 of the "*Standard Specifications for Public Works Construction"* (Green Book). Class 2 aggregate base materials should conform to Section 26-1.02A of the "*Standard Specifications of the State of California, Department of Transportation"* (Caltrans). The use of Crushed Miscellaneous Base in lieu of Class 2 aggregate base is acceptable. Crushed Miscellaneous Base should conform to Section 200-2.4 of the "*Standard Specifications for Public Works Construction"* (Green Book).

7.12.5 Unless specifically designed and evaluated by the project structural engineer, where exterior concrete paving will be utilized for support of vehicles, it is recommended that the concrete be a minimum of 6 inches thick and reinforced with No. 3 steel reinforcing bars placed 18 inches on center in both horizontal directions. Concrete paving supporting vehicular traffic should be underlain by a minimum of 4 inches of aggregate base and a properly compacted subgrade. The subgrade and base material should be compacted to 95 percent relative compaction as determined by ASTM Test Method D 1557 (latest edition).

7.12.6 The performance of pavements is highly dependent upon providing positive surface drainage away from the edge of pavements. Ponding of water on or adjacent to the pavement will likely result in saturation of the subgrade materials and subsequent cracking, subsidence and pavement distress. If planters are planned adjacent to paving, it is recommended that the perimeter curb be extended at least 12 inches below the bottom of the aggregate base to minimize the introduction of water beneath the paving.

7.13 Swimming Pool/Spa

7.13.1 The proposed swimming pool shell bottom may be founded on competent alluvial soils. The proposed pool should be constructed utilizing an expansive soils design and a hydrostatic relief valve should be considered. The earth pressures provided in the following Retaining Wall Design section of this report may be used pool/spa design.

7.13.2 The proposed spa should be constructed independent of the swimming pool and must not be cantilevered from the swimming pool shell.

7.14 Retaining Walls Design

7.14.1 The recommendations presented below are generally applicable to the design of rigid concrete or masonry retaining walls having a maximum height of 5 feet. In the event that walls significantly higher than 5 feet are planned, Geocon should be contacted for additional recommendations.

7.14.2 Retaining wall foundations may be designed in accordance with the recommendations provided in the *Conventional Foundation Design* section of this report (see Section 7.7).

7.14.3 Retaining walls with a level backfill surface that are not restrained at the top should be designed utilizing a triangular distribution of pressure (active pressure) of 30 pcf.

7.14.4 Restrained walls are those that are not allowed to rotate more than 0.001H (where H equals the height of the retaining portion of the wall in feet) at the top of the wall. Where walls are restrained from movement at the top, walls may be designed utilizing a triangular distribution of pressure (at-rest pressure) of 45 pcf.

7.14.5 The wall pressures provided above assume that the proposed retaining walls will support relatively undisturbed alluvial soils. If sloping techniques are to be utilized for construction of proposed walls, which would result in a wedge of engineered fill behind the retaining walls, revised earth pressures may be required. This should be evaluated once the use of sloping measures is established and once the geotechnical characteristics of the engineered backfill soils can be further evaluated.

7.14.6 The wall pressures provided above assume that the retaining wall will be properly drained preventing the buildup of hydrostatic pressure. If retaining wall drainage is not implemented, the equivalent fluid pressure to be used in design of undrained walls is 90 pcf. The value includes hydrostatic pressures plus buoyant lateral earth pressures.

7.14.7 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent structures and should be designed for each condition as the project progresses. Once the design becomes more finalized, an addendum letter can be prepared revising recommendations and addressing specific surcharge conditions throughout the project, if necessary.

7.15 Retaining Wall Drainage

7.15.1 Retaining walls should be provided with a drainage system extended at least two-thirds the height of the wall. At the base of the drain system, a subdrain covered with a minimum of 12 inches of gravel should be installed, and a compacted fill blanket or other seal placed at the surface (see Figure 5). The clean bottom and subdrain pipe, behind a retaining wall, should be observed by the Geotechnical Engineer (a representative of Geocon), prior to placement of gravel or compacting backfill.

7.15.2 As an alternative, a plastic drainage composite such as Miradrain or equivalent may be installed in continuous, 4-foot wide columns along the entire back face of the wall, at 8 feet on center. The top of these drainage composite columns should terminate approximately 18 inches below the ground surface, where either hardscape or a minimum of 18 inches of relatively cohesive material should be placed as a cap (see Figure 6). These vertical columns of drainage material would then be connected at the bottom of the wall to a collection panel or a 1-cubic-foot rock pocket drained by a 4-inch subdrain pipe.

7.15.3 Subdrainage pipes at the base of the retaining wall drainage system should outlet to an acceptable location via controlled drainage structures. Drainage should not be allowed to flow uncontrolled over descending slopes.

7.15.4 Moisture affecting below grade walls is one of the most common post-construction complaints. Poorly applied or omitted waterproofing can lead to efflorescence or standing water. Particular care should be taken in the design and installation of waterproofing to avoid moisture problems, or actual water seepage into the structure through any normal shrinkage cracks which may develop in the concrete walls, floor slab, foundations and/or construction joints. The design and inspection of the waterproofing is not the responsibility of the geotechnical engineer. A waterproofing consultant should be retained in order to recommend a product or method, which would provide protection to subterranean walls, floor slabs and foundations.

7.16 Elevator Pit Design

7.16.1 The elevator pit slab and retaining wall should be designed by the project structural engineer. Elevator pit walls may be designed in accordance with the recommendations in the *Retaining Wall Design* section of this report (see Section 7.14).

7.16.2 Additional active pressure should be added for a surcharge condition due to sloping ground, vehicular traffic or adjacent foundations and should be designed for each condition as the project progresses.

7.16.3 If retaining wall drainage is to be provided, the drainage system should be designed in accordance with the *Retaining Wall Drainage* section of this report (see Section 7.15).

7.16.4 It is suggested that the exterior walls and slab be waterproofed to prevent excessive moisture inside of the elevator pit. Waterproofing design and installation is not the responsibility of the geotechnical engineer.

7.17 Elevator Piston

7.17.1 If a plunger-type elevator piston is installed for this project, a deep drilled excavation will be required. It is important to verify that the drilled excavation is not situated immediately adjacent to a foundation, or the drilled excavation could compromise the existing foundation support, especially if the drilling is performed subsequent to the foundation construction.

7.17.2 Due to the preliminary nature of the project at this time, it is unknown if a plunger-type elevator piston will be included for this project. If in the future it is determined that a plunger-type elevator piston will be constructed, the location of the proposed elevator should be reviewed by the Geotechnical Engineer to evaluate the setback from foundations and shoring piles. Additional recommendations will be provided as necessary.

7.17.3 Caving is anticipated especially where granular soils are encountered. The contractor should be prepared to use casing and should have it readily available at the commencement of drilling activities. Continuous observation of the drilling and installation of the elevator piston by the Geotechnical Engineer (a representative of Geocon West, Inc.) is required.

7.17.4 The annular space between the piston casing and drilled excavation wall should be filled with a minimum of 1½-sack slurry pumped from the bottom up. As an alternative, pea gravel may be utilized. The use of soil to backfill the annular space is not acceptable.

7.18 Temporary Excavations

7.18.1 Excavations on the order of 4 feet in height may be required during grading operations. The excavations are expected to expose artificial fill and alluvial soils, which are suitable for vertical excavations up to 5 feet in height where loose soils or caving sands are not present, and where not surcharged by adjacent traffic or structures.

7.18.2 Vertical excavations greater than 5 feet or where surcharged by existing structures will require sloping or shoring measures in order to provide a stable excavation. Where sufficient space is available, temporary unsurcharged embankments could be sloped back at a uniform 1:1 slope gradient or flatter up to a maximum of 10 feet in height. A uniform slope does not have a vertical portion.

7.18.3 Where temporary construction slopes are utilized, the top of the slope should be barricaded to prevent vehicles and storage loads at the top of the slope within a horizontal distance equal to the height of the slope. If the temporary slopes are to be maintained during the rainy season, berms are suggested along the tops of the slopes where necessary to prevent runoff water from entering the excavation and eroding the slope faces. Geocon personnel should inspect the soils exposed in the cut slopes during excavation so that modifications of the slopes can be made if variations in the soil conditions occur. All excavations should be stabilized within 30 days of initial excavation.

7.19 Stormwater Infiltration

7.19.1 During the June 6, 2018, site exploration, boring B2 was utilized to perform percolation testing. The boring was advanced to the depth listed in the table below. Slotted casing was placed in the boring, and the annular space between the casing and excavation was filled with gravel. The boring was then filled with water to pre-saturate the soils. On June 6, 2018, the casing was refilled with water and percolation test readings were performed after repeated flooding of the cased excavation. Based on the test results, the measured percolation rate and design infiltration rate, for the earth materials encountered, are provided in the following table. These values have been calculated in accordance with the Boring Percolation Test Procedure in the County of Los Angeles Department of Public Works GMED *Guidelines for Geotechnical Investigation and Reporting, Low Impact Development Stormwater Infiltration* (June 2017). Percolation test field data and calculation of the measured percolation rate and design infiltration rate are provided on Figure 7.

Boring	Soil Type	Infiltration Depth (ft)	Measured Percolation Rate (in / hour)	Design Infiltration Rate (in / hour)
B2	Silty Sand/Lean Clay	5-15	0.43	0.22

7.19.2 Based on the test method utilized (Boring Percolation Test), the reduction factor RF_t may be taken as 2.0 in the infiltration system design. Based on the number of tests performed and consistency of the soils throughout the site, it is suggested that the reduction factor RF_v be taken as 1.0. The reduction factor RF_s is based on proper maintenance and may be taken as 1.0.

7.19.3 The results of the percolation testing indicate that the soils at depths in the above table are not conductive to infiltration of stormwater. It is recommended that stormwater be retained, filtered, and discharged in accordance with the requirements of the local governing agency.

7.20 Surface Drainage

7.20.1 Proper surface drainage is critical to the future performance of the project. Uncontrolled infiltration of irrigation excess and storm runoff into the soils can adversely affect the performance of the planned improvements. Saturation of a soil can cause it to lose internal shear strength and increase its compressibility, resulting in a change in the original designed engineering properties. Proper drainage should be maintained at all times.

7.20.2 All site drainage should be collected and controlled in non-erosive drainage devices. Drainage should not be allowed to pond anywhere on the site, and especially not against any foundation or retaining wall. The site should be graded and maintained such that surface drainage is directed away from structures in accordance with 2016 CBC 1804.4 or other applicable standards. In addition, drainage should not be allowed to flow uncontrolled over any descending slope. Discharge from downspouts, roof drains and scuppers are not recommended onto unprotected soils within 5 feet of the building perimeter. Planters which are located adjacent to foundations should be sealed to prevent moisture intrusion into the soils providing foundation support. Landscape irrigation is not recommended within 5 feet of the building perimeter footings except when enclosed in protected planters.

7.20.3 Positive site drainage should be provided away from structures, pavement, and the tops of slopes to swales or other controlled drainage structures. The building pad and pavement areas should be fine graded such that water is not allowed to pond.

7.20.4 Landscaping planters immediately adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. Either a subdrain, which collects excess irrigation water and transmits it to drainage structures, or an impervious above-grade planter boxes should be used. In addition, where landscaping is planned adjacent to the pavement, it is recommended that consideration be given to providing a cutoff wall along the edge of the pavement that extends at least 12 inches below the base material.

7.21 Plan Review

7.21.1 Grading, foundation and shoring plans should be reviewed by the Geotechnical Engineer (a representative of Geocon West, Inc.), prior to finalization to verify that the plans have been prepared in substantial conformance with the recommendations of this report and to provide additional analyses or recommendations.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

1. The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, Geocon West, Inc. should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous or corrosive materials was not part of the scope of services provided by Geocon West, Inc.

2. This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the architect and engineer for the project and incorporated into the plans, and the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

3. The findings of this report are valid as of the date of this report. However, changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

4. The firm that performed the geotechnical investigation for the project should be retained to provide testing and observation services during construction to provide continuity of geotechnical interpretation and to check that the recommendations presented for geotechnical aspects of site development are incorporated during site grading, construction of improvements, and excavation of foundations. If another geotechnical firm is selected to perform the testing and observation services during construction operations, that firm should prepare a letter indicating their intent to assume the responsibilities of project geotechnical engineer of record. A copy of the letter should be provided to the regulatory agency for their records. In addition, that firm should provide revised recommendations concerning the geotechnical aspects of the proposed development, or a written acknowledgement of their concurrence with the recommendations presented in our report. They should also perform additional analyses deemed necessary to assume the role of Geotechnical Engineer of Record.

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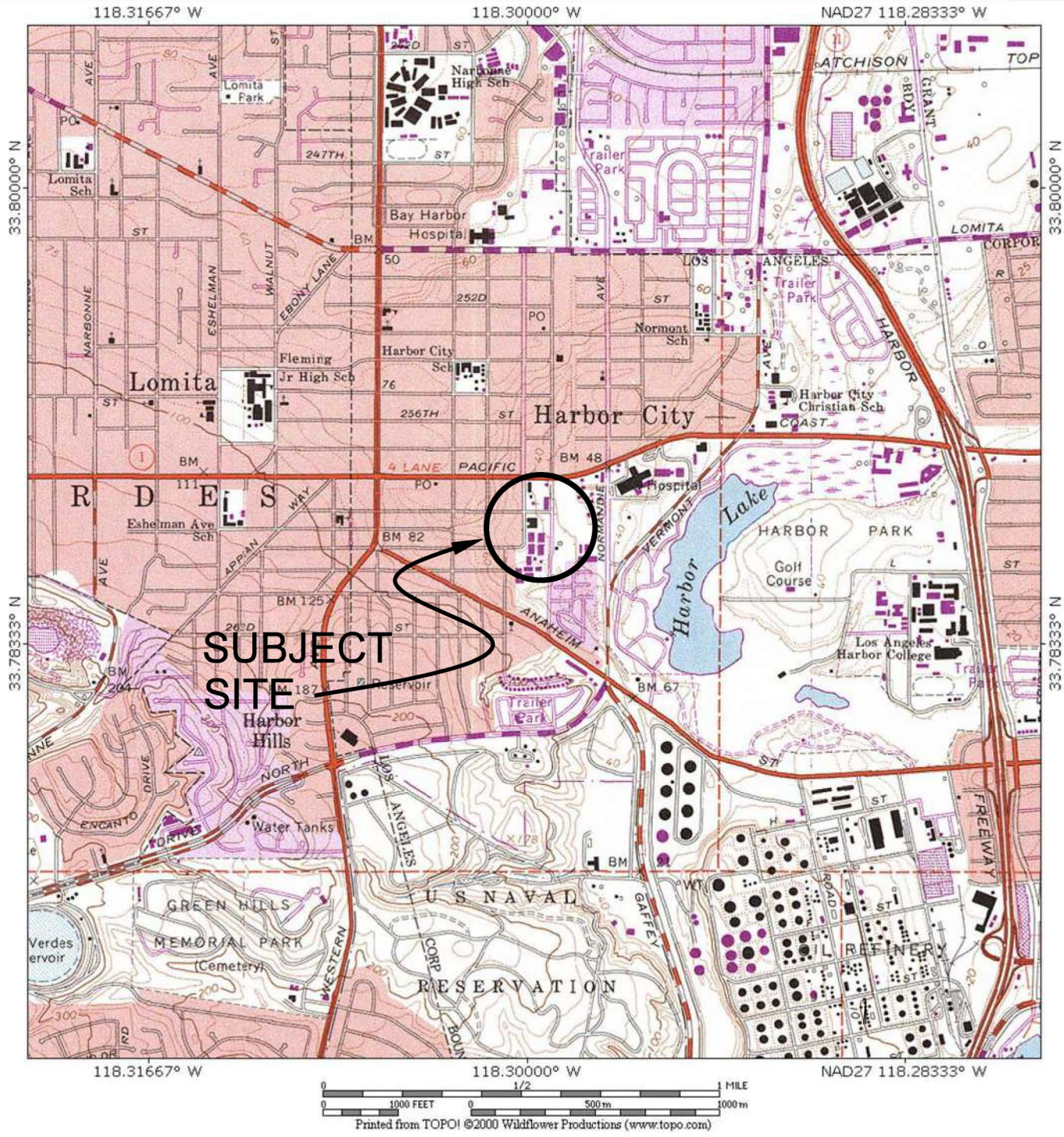

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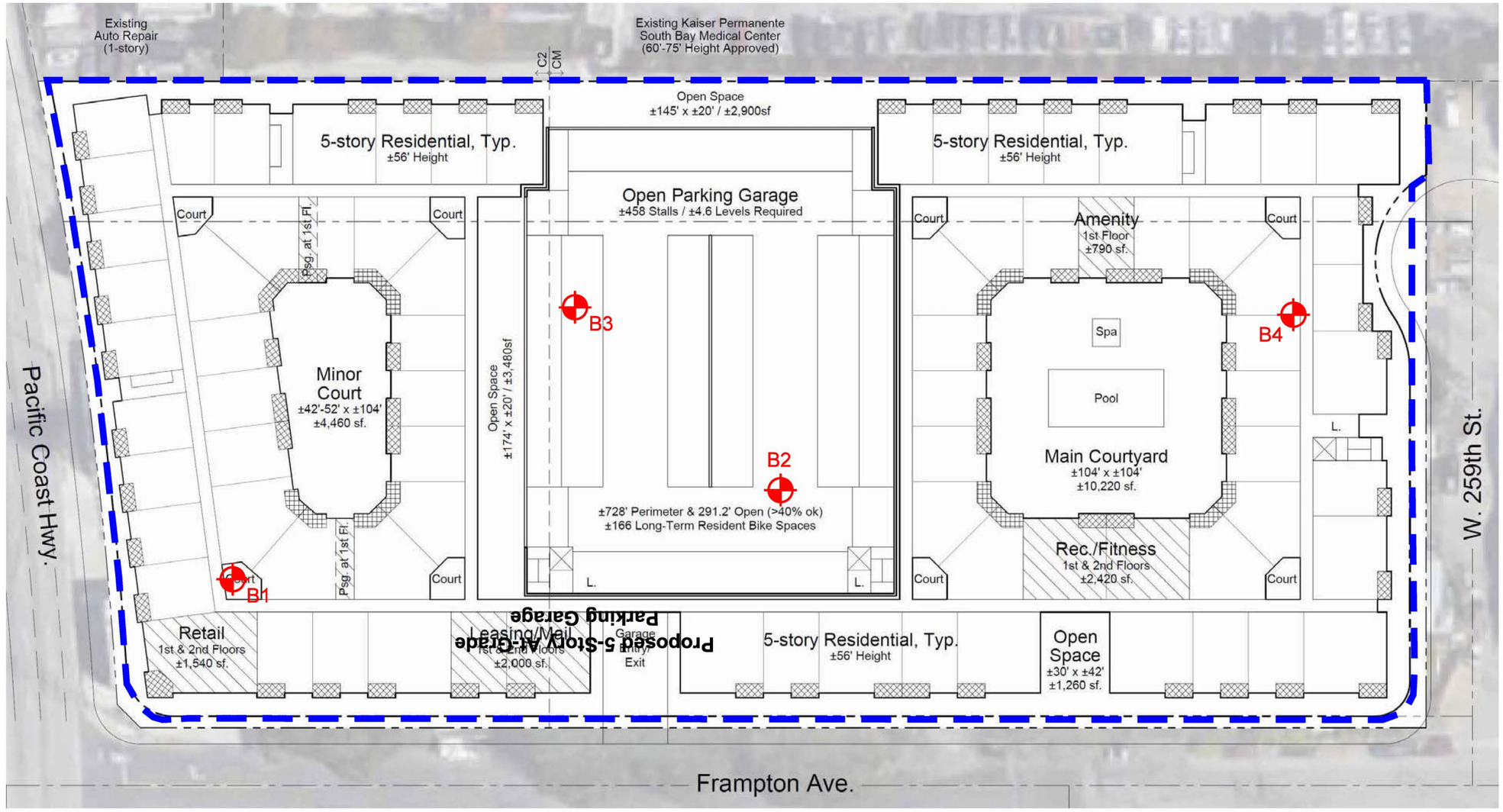
VICINITY MAP

PCH & FRAMPTON
LOS ANGELES, CALIFORNIA

DRAFTED BY:MDS	CHECKED BY: SFK

SEPT 2018	PROJECT NO. A9779-06-01	FIG. 1



LEGEND

B4 Boring Location and Number

Approximate Limits of Site

0 50' 100'

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SITE PLAN

PCH & FRAMPTON
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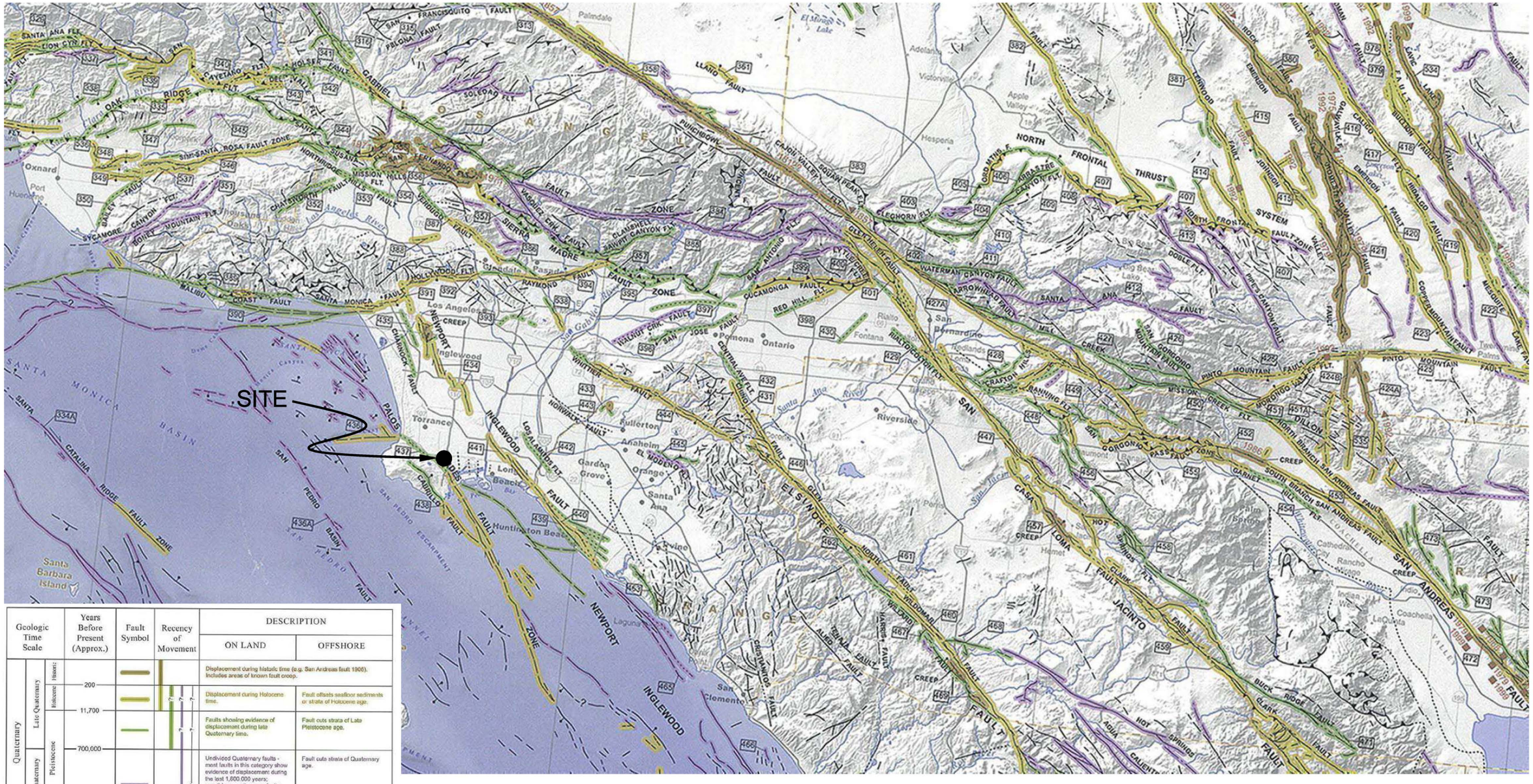
SEPT 2018 | PROJECT NO. A9779-06-01 | FIG. 2

Reference: Jennings, C.W. and Bryant, W. A., 2010, Fault Activity Map of California, California Geological Survey Geologic Data Map No. 6.



Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION: ON LAND	DESCRIPTION: OFFSHORE
Quaternary	Late Quaternary	Historic				Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
		Holocene	200			Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age.
			11,700			Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
	Early Quaternary	Pleistocene	700,000			Undivided Quaternary faults - ment faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age	Fault cuts strata of Quaternary age.
Pre-Quaternary			1,600,000*			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.
			4.5 billion (Age of Earth)				

* Quaternary now recognized as extending to 2.6 Ma (Walker and Geissman, 2009). Quaternary faults in this map were established using the previous 1.6 Ma criterion.

N

0 12 24 Miles

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REGIONAL FAULT MAP

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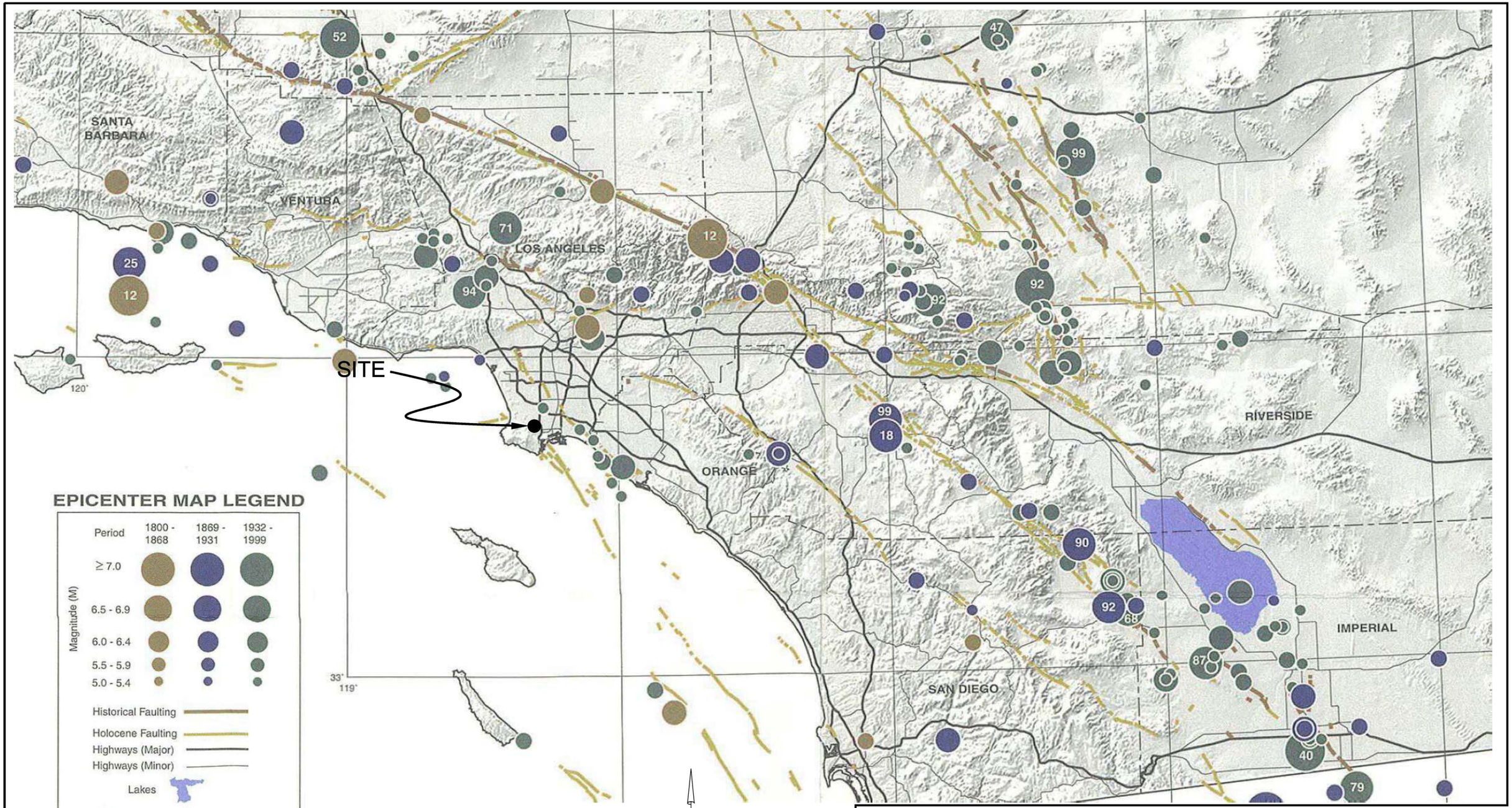
SEPT 2018 | PROJECT NO. A9779-06-01 | FIG. 3



EPICENTER MAP LEGEND

Period	1800 - 1868	1869 - 1931	1932 - 1999
≥ 7.0			
6.5 - 6.9			
6.0 - 6.4			
5.5 - 5.9			
5.0 - 5.4			

Magnitude (M)

- Historical Faulting
- Holocene Faulting
- Highways (Major)
- Highways (Minor)
- Lakes
- 65 — Last two digits of M ≥ 6.5 earthquake year

N

0 20 40 Miles

Reference: Toppozada, T., Branum, D., Petersen, M., Hallstrom, C., Cramer, C., and Reichle, M., 2000, Epicenters and Areas Damaged by M≥5 California Earthquakes, 1800 - 1999, California Geological Survey, Map Sheet 49.

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REGIONAL SEISMICITY MAP

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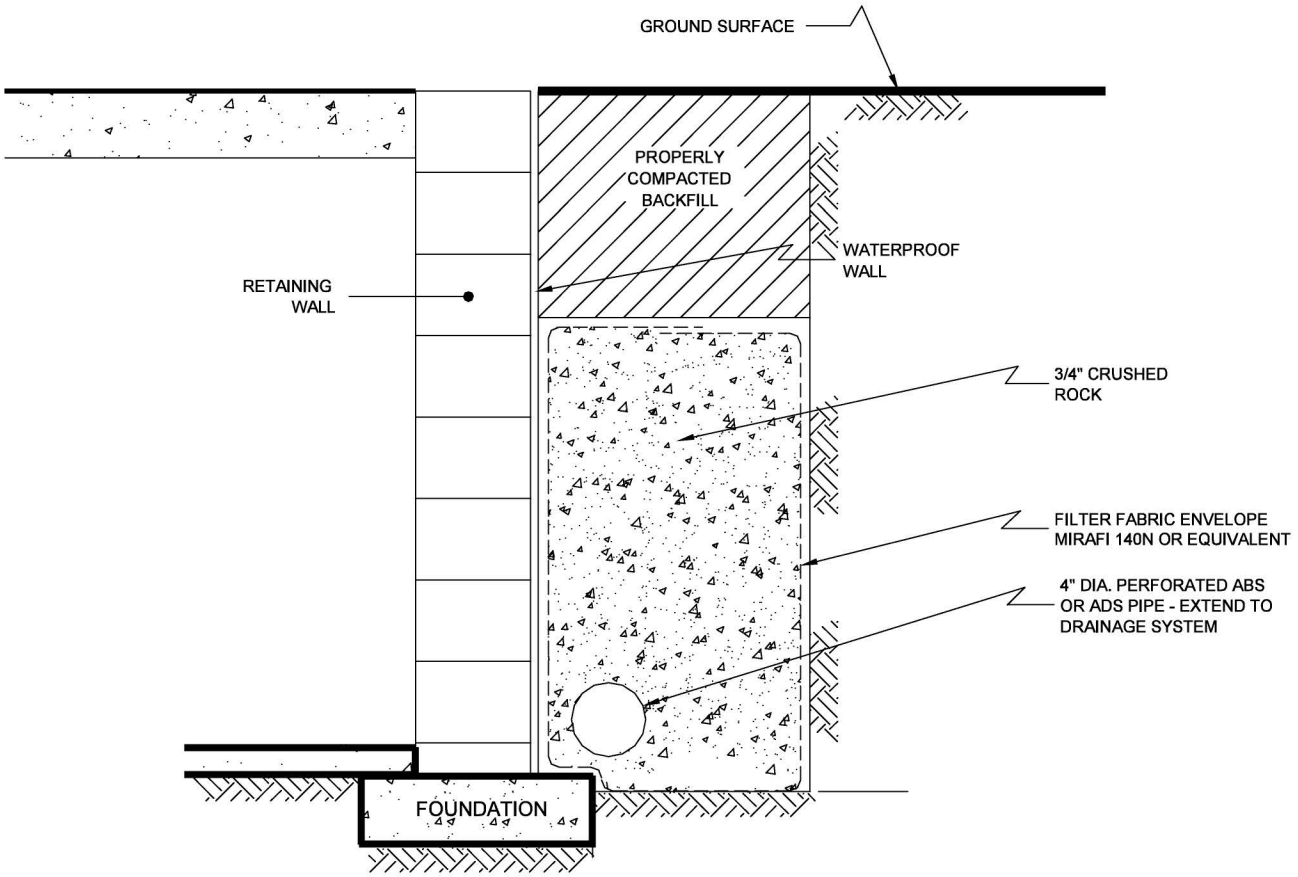

NO SCALE

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RETAINING WALL DRAIN DETAIL

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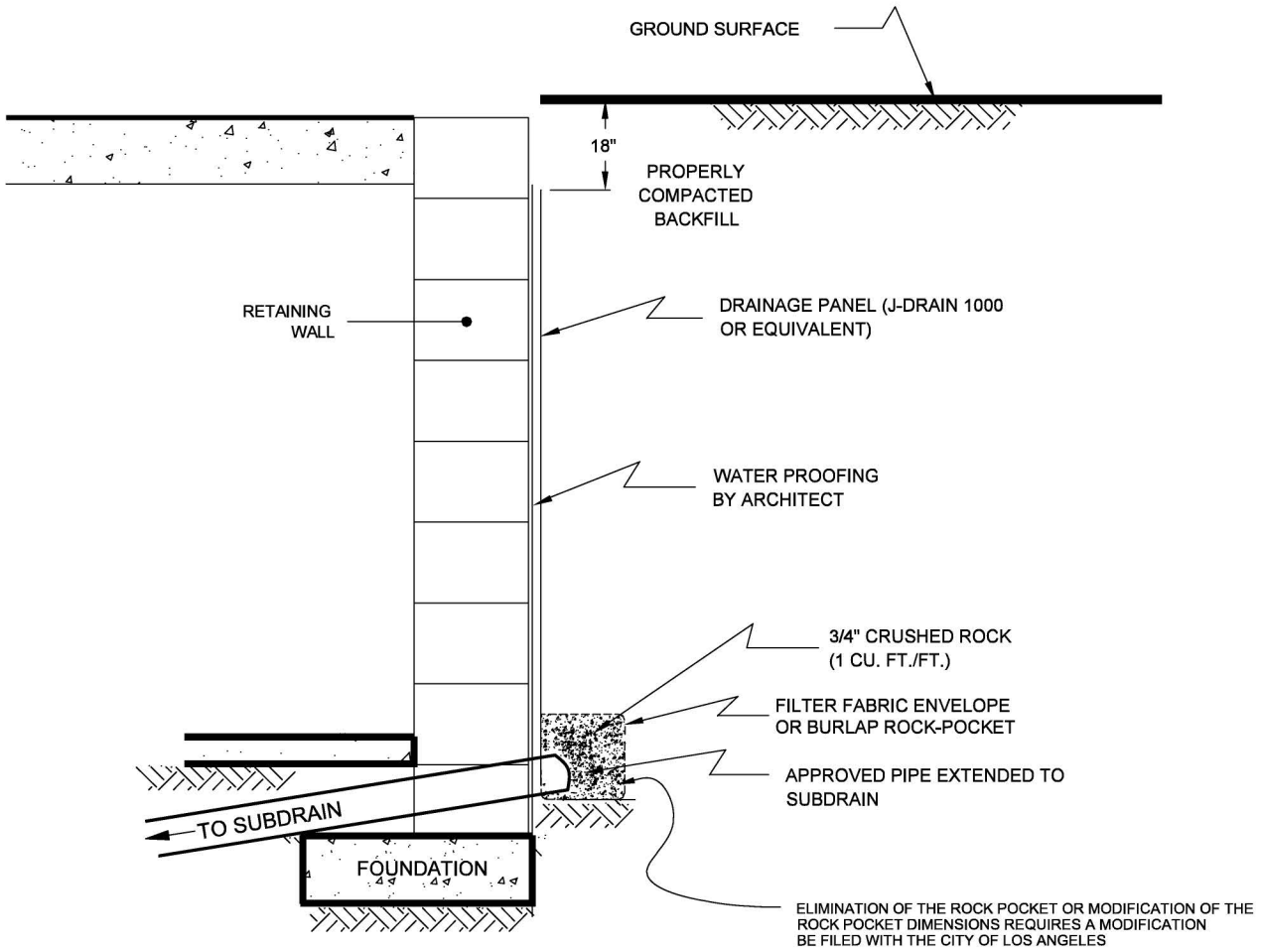
SEPT 2018	PROJECT NO. A9779-06-01	FIG. 5



NO SCALE

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RETAINING WALL DRAIN DETAIL

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SEPT 2018	PROJECT NO. A9779-06-01	FIG. 6

BORING PERCOLATION TEST FIELD LOG

Date:	Wednesday, June 06, 2018	**Boring/Test Number:**	Boring B2
Project Number:	A9779-06-01	**Diameter of Boring:**	8 inches
Project Location:	1280 PCH - Harbor City	**Diameter of Casing:**	2 inches
Earth Description:	SM/CL	**Depth of Boring:**	15 feet
Tested By:	RSM	**Depth to Invert of BMP:**	5 feet
Liquid Description:	Clear Clean Tap Water	**Depth to Water Table:**	60 feet
Measurement Method:	Sounder	**Depth to Initial Water Depth (d_1):**	60 inches
Start Time for Pre-Soak:	12:00 PM	**Water Remaining in Boring (Y/N):**	Yes
Start Time for Standard:	1:00 PM	**Standard Time Interval Between Readings:**	30 min

Reading Number	Time Start (hh:mm)	Time End (hh:mm)	Elapsed Time Δtime (min)	Water Drop During Standard Time Interval, Δd (in)	Soil Description Notes Comments
1	1:15 PM	1:45 PM	30	14.4	
2	1:45 PM	2:15 PM	30	12.0	
3	2:15 PM	2:45 PM	30	13.2	
4	2:45 PM	3:15 PM	30	13.2	
5	3:15 PM	3:45 PM	30	13.2	
6	3:45 PM	4:15 PM	30	13.2	Stabilized Readings
7	4:15 PM	4:45 PM	30	13.2	Achieved with Readings
8	4:45 PM	5:15 PM	30	13.2	6, 7, and 8

MEASURED PERCOLATION RATE & DESIGN INFILTRATION RATE CALCULATIONS*

* Calculations Below Based on Stabilized Readings Only

Boring Radius, r: 4 inches

Test Section Height, h: 120.0 inches

$$Test\ Section\ Surface\ Area, A = 2\pi rh + \pi r^2$$

A = **3066** in^2

$$Discharged\ Water\ Volume, V = \pi r^2 \Delta d$$

$$Percolation\ Rate = \left(\frac{V/A}{\Delta T}\right)$$

Reading 6	V =	**664**	in^3	Percolation Rate =	**0.43**	inches/hour
Reading 7	V =	**664**	in^3	Percolation Rate =	**0.43**	inches/hour
Reading 8	V =	**664**	in^3	Percolation Rate =	**0.43**	inches/hour

Measured Percolation Rate = **0.43** inches/hour

Reduction Factors

Boring Percolation Test, RF_t = 2

Site Variability, RF_v = 1

Long Term Siltation, RF_s = 1

$$Total\ Reduction\ Factor, RF = RF_t \times RF_v \times RF_s$$

Total Reduction Factor = 2

Design Infiltration Rate

$$Design\ Infiltration\ Rate = Measured\ Percolation\ Rate\ /RF$$

Design Infiltration Rate = **0.22** inches/hour

FIGURE 7

APPENDIX A

APPENDIX A

FIELD INVESTIGATION

The site was explored on June 6, 2018, by excavating four 8-inch diameter borings to depths between 30½ and 40½ feet below the existing ground surface utilizing a truck-mounted hollow-stem auger drilling machine. Representative and relatively undisturbed samples were obtained by driving a 3-inch, O. D., California Modified Sampler into the "undisturbed" soil mass with blows from a 140-pound auto-hammer falling 30 inches. The California Modified Sampler was equipped with 1-inch high by 2 3/8-inch diameter brass sampler rings to facilitate soil removal and testing. Bulk samples were also obtained.

The soil conditions encountered in the borings were visually examined, classified and logged in general accordance with the Unified Soil Classification System (USCS). The logs of the borings are presented on Figures A1 through A4. The logs depict the soil and geologic conditions encountered and the depth at which samples were obtained. The logs also include our interpretation of the conditions between sampling intervals. Therefore, the logs contain both observed and interpreted data. We determined the lines designating the interface between soil materials on the logs using visual observations, penetration rates, excavation characteristics and other factors. The transition between materials may be abrupt or gradual. Where applicable, the boring logs were revised based on subsequent laboratory testing. The location of the borings are shown on Figure 2.

PROJECT NO. A9779-06-01

BORING 1

ELEV. (MSL.) -- DATE COMPLETED **6/6/18**

EQUIPMENT **HOLLOW STEM AUGER** BY: **RSM**

DEPTH IN FEET	SAMPLE NO.	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0			**ARTIFICIAL FILL** Lean Clay, hard, moist, dark gray, moderate plasticity.			
2			**ALLUVIUM**			
4		ML	Sandy Silt, stiff, moist, light brown with light gray mottles, fine-grained, non-plastic.			
6	B1@5'			30		
8	B1@7'		- hard	69		
10	B1@9'	CL	Lean Clay, hard, moist, light brownish gray with white calcium deposits, some fine sand, low to moderate plasticity.	61		
12	B1@12'	SP	Sand, poorly graded, dense, moist, light brownish gray, fine- to medium-grained.	66		
14			Lean Clay, stiff, moist, light brownish gray, some white calcium, some fine sand, low to moderate plasticity.			
16	B1@15'			41		
18		CL				
20	B1@20'			38		
22			Sandy Silt, hard, moist, light gray, fine-grained, non-plastic.			
24						
26	B1@25'	ML		50 (2")		
28			Sand, poorly graded, very dense, moist, light gray with oxidation mottles, fine- to medium-grained.			
		SP				

A9779-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

GEOCON

PROJECT NO. A9779-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 1** ELEV. (MSL.) -- DATE COMPLETED **6/6/18** EQUIPMENT **HOLLOW STEM AUGER** BY: **RSM**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B1@30'			SP		50 (3")		
32								
34								
	B1@35'					50 (4")		
36								
38								
40	B1@40'				Total depth of boring: 40 feet Fill to 2 feet. No groundwater encountered. Backfilled with soil cuttings and tamped. Asphalt patched.	50 (6")		

A9779-06-01 BORING LOGS.GPJ

Figure A1,
Log of Boring 1, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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PROJECT NO. A9779-06-01

BORING 2

ELEV. (MSL.) -- DATE COMPLETED 6/6/18

EQUIPMENT HOLLOW STEM AUGER BY: RSM

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
	BULK 1-5'			SM	**ALLUVIUM** Silty Sand, very dense, moist, light grayish brown, fine-grained.			
4								
	B2@5'					50 (6")		
6					Lean Clay, hard, moist, light grayish brown, low to moderate plasticity.			
	B2@7'			CL		69		
8					Sand, poorly graded, dense, moist, light brown, fine- to medium-grained.			
	B2@9'			SP		62		
10					Lean Clay, stiff, moist, light grayish brown, low to moderate plasticity.			
	B2@12'					32		
14								
	B2@15'				- some fine sand	31		
16				CL				
18								
	B2@20'					37		
22								
					Sand, poorly graded, very dense, moist, light brown and gray, fine- to medium-grained.			
24								
	B2@25'			SP		50 (4")		
26								
28					Sandy Silt, hard, moist, light grayish brown, fine-grained sand, non-plastic.			
				ML				

A9779-06-01 BORING LOGS.GPJ

Figure A2,
Log of Boring 2, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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PROJECT NO. A9779-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 2** ELEV. (MSL.) -- DATE COMPLETED **6/6/18** EQUIPMENT **HOLLOW STEM AUGER** BY: **RSM**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B2@30'				Total depth of boring: 30.5 feet No fill. No groundwater encountered. Percolation testing performed. Backfilled with soil cuttings and tamped. Asphalt patched.	50 (4")		

Figure A2,
Log of Boring 2, Page 2 of 2

A9779-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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PROJECT NO. A9779-06-01

BORING 3

ELEV. (MSL.) -- DATE COMPLETED 6/6/18

EQUIPMENT HOLLOW STEM AUGER BY: RSM

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0								
2	B3@2'			CL	**ALLUVIUM** Lean Clay, stiff, moist, brown with light grayish brown mottles, low plasticity.	33		
4								
6	B3@5'			ML	Sandy Silt, hard, moist, light grayish brown, non-plastic, fine-grained.	63		
8	B3@7'					44		
10	B3@9'					67		
12	B3@12'			CL	Lean Clay with Silt, stiff, moist, light gray with light brown mottles, low plasticity, some fine-grained sand.	41		
14					Lean Clay, stiff, moist, light grayish brown.			
16	B3@15'			CL		40		
18					Sand, poorly graded, very dense, moist, light gray and brown, fine- to medium-grained.			
20	B3@20'			SP		50 (4")		
22								
24					Silty Sand, very dense, moist, grayish brown, fine-grained.			
26	B3@25'			SM		50 (3")		
28					Sand, poorly graded, very dense, moist, light gray, fine- to medium-grained.			
				SP				

A9779-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 3** ELEV. (MSL.) -- DATE COMPLETED **6/6/18** EQUIPMENT **HOLLOW STEM AUGER** BY: **RSM**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B3@30'			SP		50 (3")		
32					Sand, well graded, very dense, moist, light gray, fine- to coarse-grained.			
34								
36	B3@35'			SW		50 (6")		
38								
40	B3@40'					50 (5")		
					Total depth of boring: 40.5 feet No fill. No groundwater encountered. Backfilled with cuttings and tamped. Aspahlt patched.			

A9779-06-01 BORING LOGS.GPJ

Figure A3,
Log of Boring 3, Page 2 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◪ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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BORING 4

ELEV. (MSL.) -- DATE COMPLETED 6/6/18

EQUIPMENT HOLLOW STEM AUGER BY: RSM

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	MATERIAL DESCRIPTION	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
0					**ALLUVIUM**			
2	BULK 1-5'				Lean Clay, soft, moist, brown, low to moderate plasticity, some fine-grained sand.			
4	B4@3'				- some calcium deposits	5		
6	B4@5'				- firm, white calcium deposits	16		
8	B4@7'					17		
10	B4@9'					21		
12	B4@12'			CL		15		
14								
16	B4@15'				- stiff	26		
18								
20	B4@20'					29		
22								
24								
26	B4@25'				- firm	16		
28				SP	Sand, poorly graded, very dense, moist, light grayish brown, fine- to medium-grained.			

A9779-06-01 BORING LOGS.GPJ

Figure A4,
Log of Boring 4, Page 1 of 2

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

NOTE: THE LOG OF SUBSURFACE CONDITIONS SHOWN HEREON APPLIES ONLY AT THE SPECIFIC BORING OR TRENCH LOCATION AND AT THE DATE INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.

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PROJECT NO. A9779-06-01

DEPTH IN FEET	SAMPLE NO.	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	**BORING 4** ELEV. (MSL.) -- DATE COMPLETED **6/6/18** EQUIPMENT **HOLLOW STEM AUGER** BY: **RSM**	PENETRATION RESISTANCE (BLOWS/FT*)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)
					MATERIAL DESCRIPTION			
30	B4@30'					50 (4")		
					Total depth of boring: 30.5 feet No fill. No groundwater encountered. Backfilled with soil cuttings and asphalt patched.			

Figure A4,
Log of Boring 4, Page 2 of 2

A9779-06-01 BORING LOGS.GPJ

SAMPLE SYMBOLS

- ☐ ... SAMPLING UNSUCCESSFUL
- ◧ ... STANDARD PENETRATION TEST
- ■ ... DRIVE SAMPLE (UNDISTURBED)
- ⊠ ... DISTURBED OR BAG SAMPLE
- ◥ ... CHUNK SAMPLE
- ▼ ... WATER TABLE OR SEEPAGE

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APPENDIX B

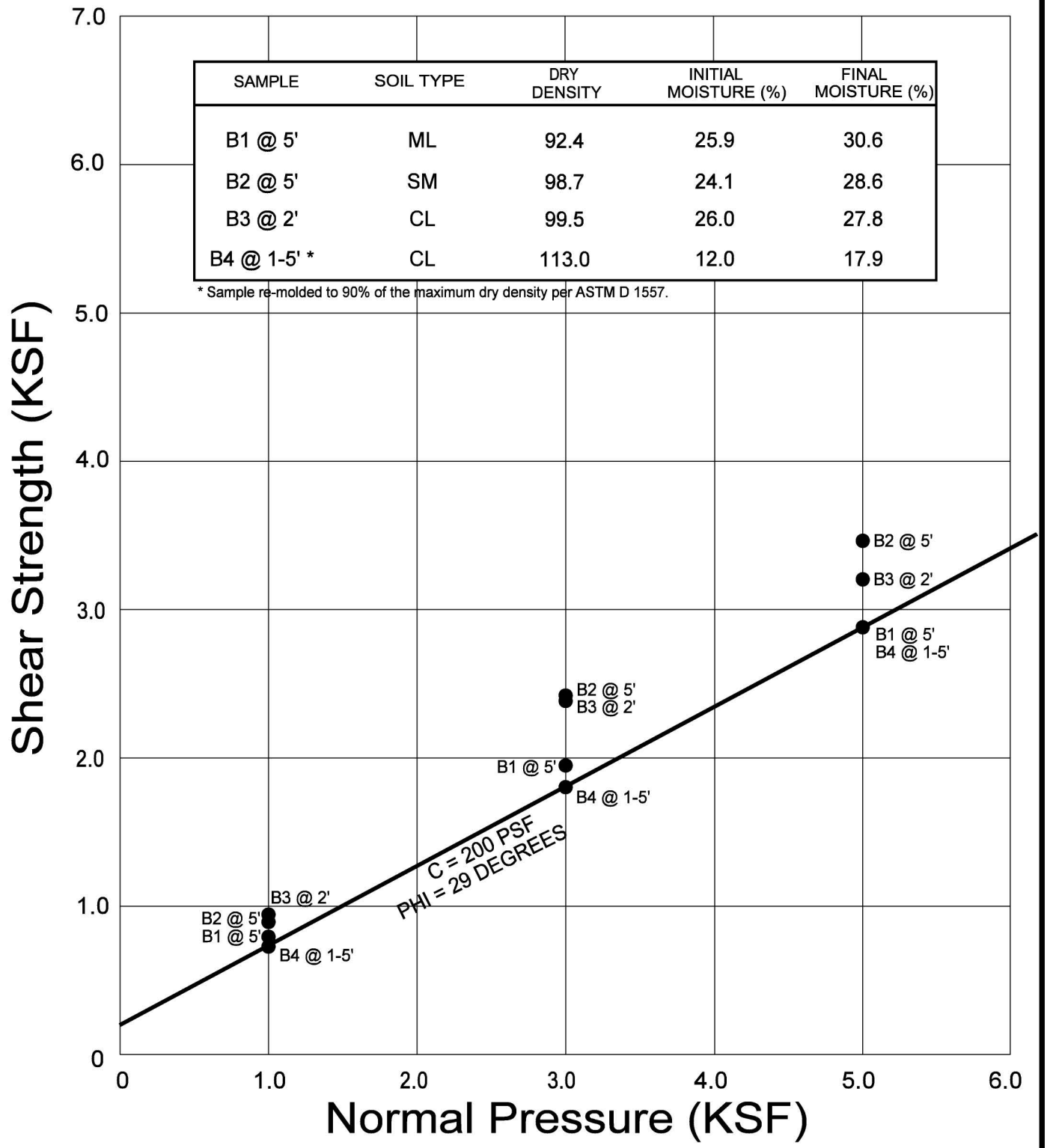
APPENDIX B

LABORATORY TESTING

Laboratory tests were performed in accordance with generally accepted test methods of the "American Society for Testing and Materials (ASTM)", or other suggested procedures. Selected samples were tested for direct shear strength, consolidation and expansion characteristics, corrosivity, in-place dry density and moisture content. The results of the laboratory tests are summarized in Figures B1 through B6. The in-place dry density and moisture content of the samples tested are presented on the boring logs, Appendix A.

SAMPLE	SOIL TYPE	DRY DENSITY	INITIAL MOISTURE (%)	FINAL MOISTURE (%)
B1 @ 5'	ML	92.4	25.9	30.6
B2 @ 5'	SM	98.7	24.1	28.6
B3 @ 2'	CL	99.5	26.0	27.8
B4 @ 1-5' *	CL	113.0	12.0	17.9

* Sample re-molded to 90% of the maximum dry density per ASTM D 1557.



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DIRECT SHEAR TEST RESULTS

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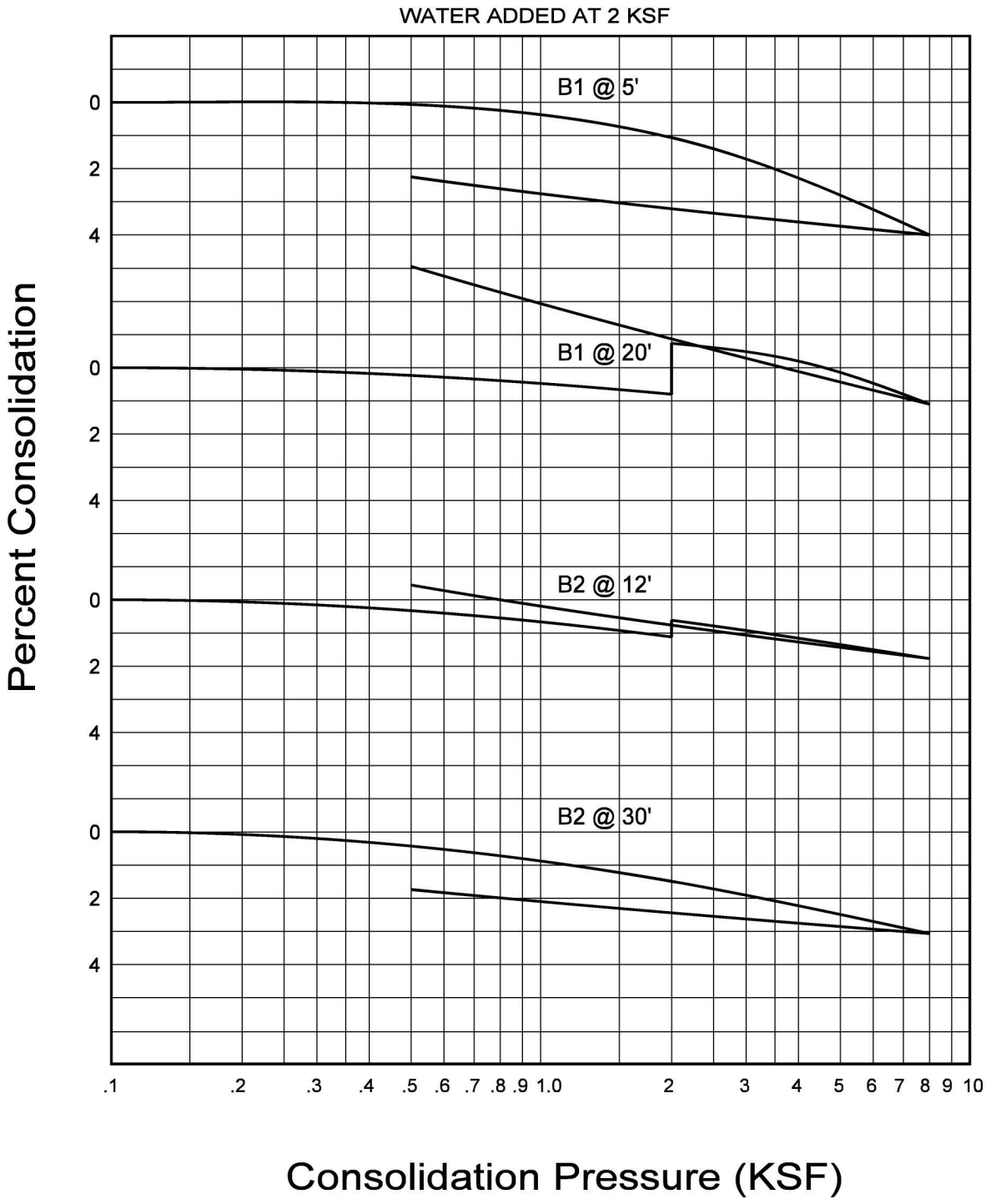
SEPT 2018 | PROJECT NO. A9779-06-01 | FIG. B1



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CONSOLIDATION TEST RESULTS

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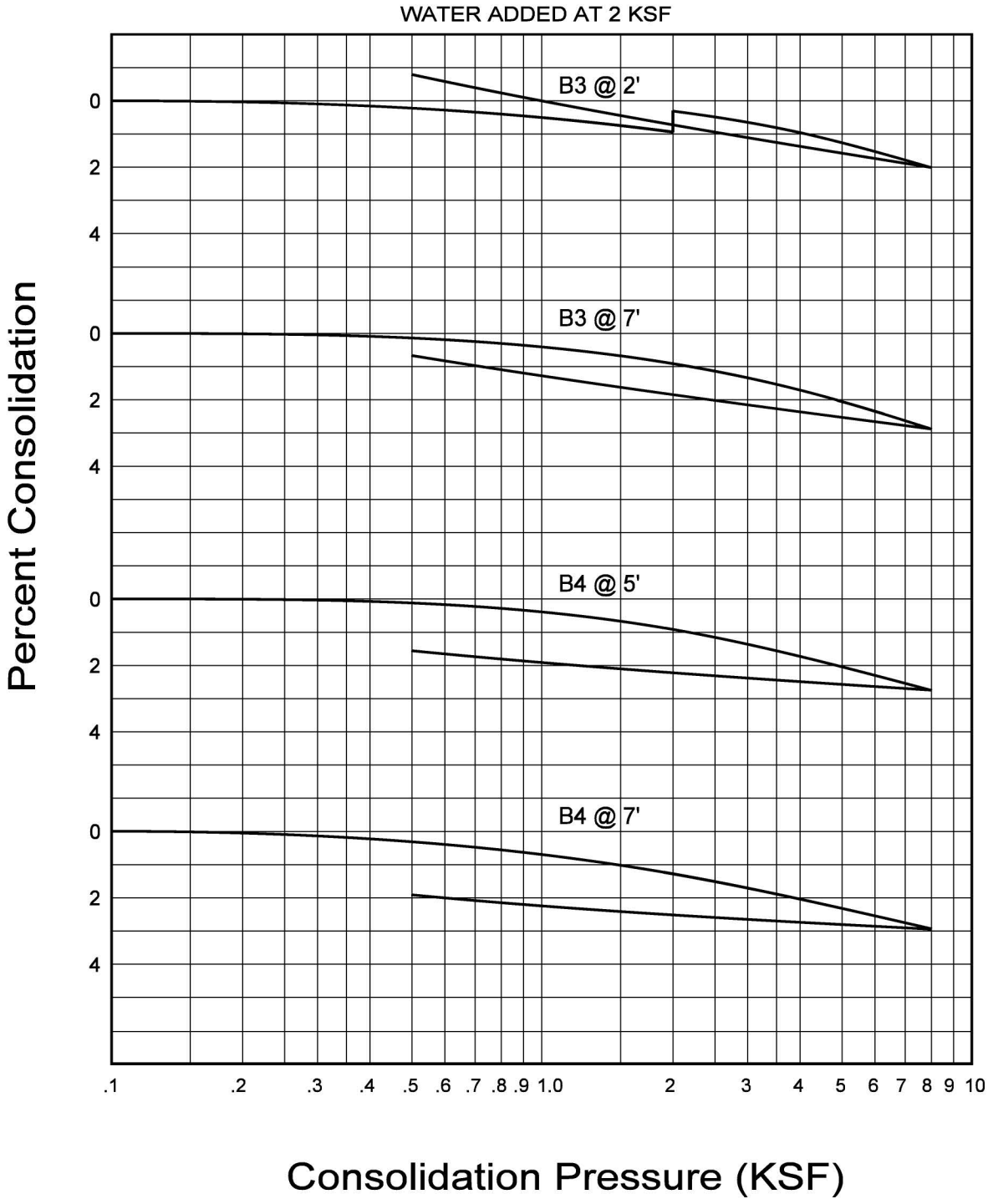
SEPT 2018	PROJECT NO. A9779-06-01	FIG. B2



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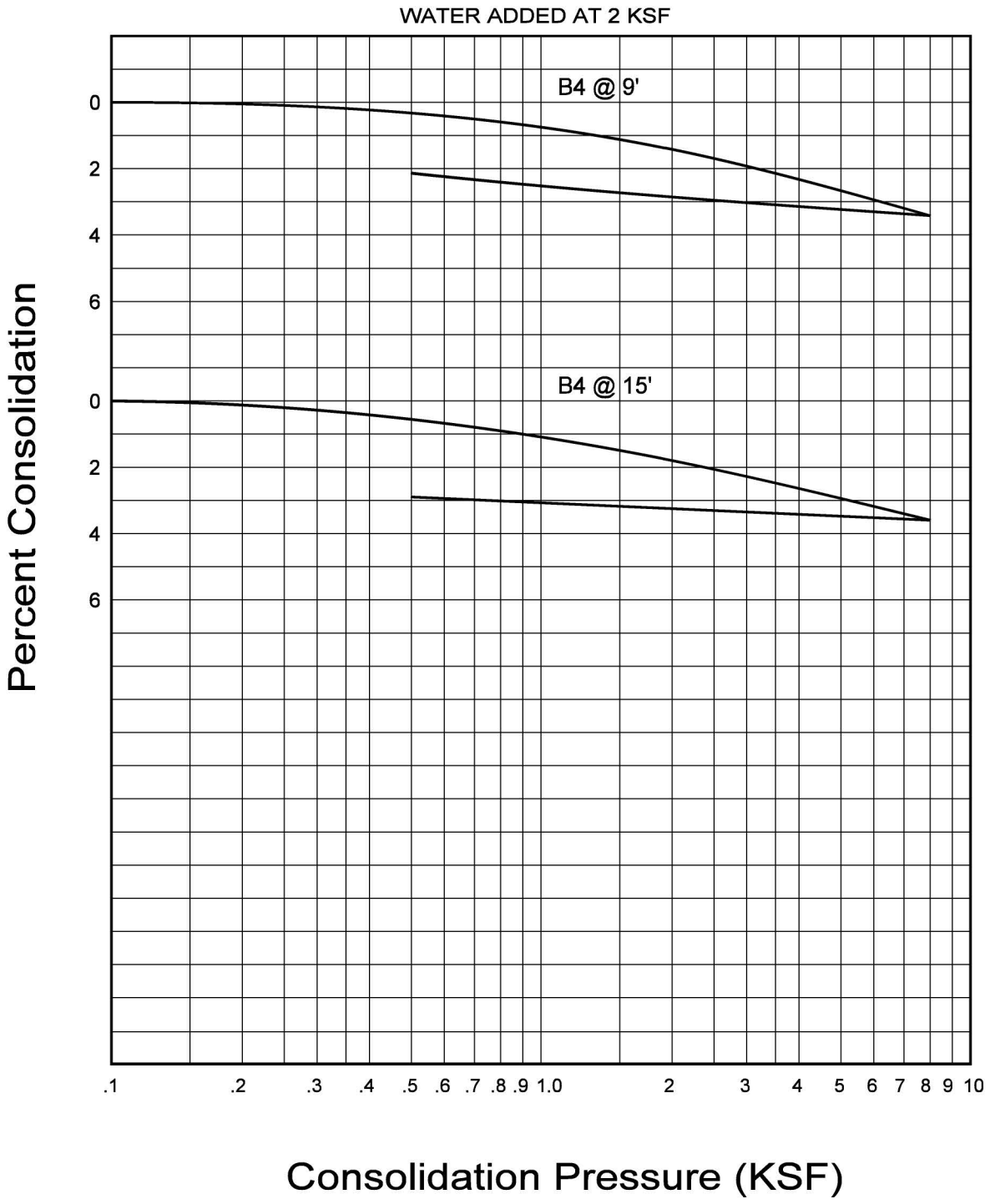
DRAFTED BY: RSM	CHECKED BY: NB

CONSOLIDATION TEST RESULTS

PCH & FRAMPTON
LOS ANGELES, CALIFORNIA

SEPT 2018	PROJECT NO. A9779-06-01	FIG. B3



GEOCON
WEST, INC.

ENVIRONMENTAL GEOTECHNICAL MATERIALS
3303 N. SAN FERNANDO BLVD. - SUITE 100 - BURBANK, CA 91504
PHONE (818) 841-8388 - FAX (818) 841-1704

DRAFTED BY: RSM	CHECKED BY: NB

CONSOLIDATION TEST RESULTS

PCH & FRAMPTON
LOS ANGELES, CALIFORNIA

SEPT 2018	PROJECT NO. A9779-06-01	FIG. B4

SUMMARY OF LABORATORY EXPANSION INDEX TEST RESULTS
ASTM D 4829-11

Sample No.	Moisture Content (%)		Dry Density (pcf)	Expansion Index	*UBC Classification	**CBC Classification
	Before	After				
B4 @ 1-5'	11.4	24.6	103.7	57	Moderate	Expansive

* Reference: 1997 Uniform Building Code, Table 18-I-B.

** Reference: 2016 California Building Code, Section 1803.5.3

SUMMARY OF LABORATORY MAXIMUM DENSITY AND AND OPTIMUM MOISTURE CONTENT TEST RESULTS
ASTM D 1557-12

Sample No.	Soil Description	Maximum Dry Density (pcf)	Optimum Moisture (%)
B4 @ 1-5'	Brown Lean Clay	125.5	12.0

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LABORATORY TEST RESULTS

PCH & FRAMPTON
LOS ANGELES, CALIFORNIA

SEPT 2018 | PROJECT NO. A9779-06-01 | FIG. B5

SUMMARY OF LABORATORY POTENTIAL OF HYDROGEN (pH) AND RESISTIVITY TEST RESULTS CALIFORNIA TEST NO. 643

Sample No.	pH	Resistivity (ohm centimeters)
B4 @ 1-5'	7.72	1,600 (Corrosive)

SUMMARY OF LABORATORY CHLORIDE CONTENT TEST RESULTS EPA NO. 325.3

Sample No.	Chloride Ion Content (%)
B4 @ 1-5'	0.007

SUMMARY OF LABORATORY WATER SOLUBLE SULFATE TEST RESULTS CALIFORNIA TEST NO. 417

Sample No.	Water Soluble Sulfate (% SO_4)	Sulfate Exposure*
B4 @ 1-5'	0.004	Negligible
B2 @ 1-5'	0.001	Negligible

* Reference: 2016 California Building Code, Section 1904 and ACI 318-11 Section 4.3.

GEOCON
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DRAFTED BY: RSM | CHECKED BY: NB

CORROSIVITY TEST RESULTS

PCH & FRAMPTON
LOS ANGELES, CALIFORNIA

SEPT 2018 | PROJECT NO. A9779-06-01 | FIG. B6

Attachment H

Hazardous Materials Reports

PARTNER
Engineering and Science, Inc.

2154 Torrance Blvd., Suite 200, Torrance, CA, 90501
www.partneresi.com | (800) 419-4923

December 2, 2024

Mr. Alex Wong
Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

Subject: Phase I Environmental Site Assessment, Phase II Investigation, and Soil Management Plan
1260 and 1268 Pacific Coast Highway
Los Angeles, California 90710
Partner Project No. 18-210321 and 18-226425

Dear Mr. Wong:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the following information regarding the results of the Phase I Environmental Site Assessment (Phase I ESA) reports of the abovementioned addresses and a Phase II investigation and Soil Management Plan of 1268 Pacific Coast Highway. As you know the Phase I ESA assessments were completed in 2018 in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

These assessments included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

Based on my review, the conclusions, findings, and recommendations of these reports remain valid, and I am not aware of any new information that would alter those findings.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 622-8855 or dstott@partneresi.com.

Sincerely,

DB Stott

Debbie Stott, P.G.
Principal

Attachment H-1

Phase I & II Environmental Site Assessments

PARTNER
Engineering and Science, Inc.



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

1280 Pacific Coast Highway
Los Angeles, California 90710

Report Date: June 14, 2018
Partner Project No. 18-210321.1



Prepared for:

Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

PARTNER
Engineering and Science, Inc.

June 14, 2018

Mr. Alex Wong
Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

Subject: Phase I Environmental Site Assessment
1280 Pacific Coast Highway
Los Angeles, California 90710
Partner Project No. 18-210321.1

Dear Mr. Wong

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 622-8855.

Sincerely,

Debbie Stott, P.G.
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Red Oak Investments for the property located at 1280 Pacific Coast Highway in the Harbor City community, City of Los Angeles, Los Angeles County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Red Oak Investments with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the south side of Pacific Coast Highway and the east side of Frampton Avenue within a mixed commercial and residential area of the Harbor City community within Los Angeles County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	1280 Pacific Coast Highway, Los Angeles, California
Additional Addresses:	1270 and 1290 Pacific Coast Highway and 25900 South Frampton Avenue
Property Use:	Residential (mobile home park) and Commercial (vacant)
Land Acreage (Ac):	2.7 Ac
Number of Buildings:	Permanent structures: three (one residential, one laundry/maintenance, and one vacant commercial) plus multiple (unused) toilet structures mobile homes/home pads: approximately 90
Number of Floors:	One
Gross Building Area (SF):	Not Provided
Net Rentable Area (SF):	Not Provided
Date(s) of Construction:	1945-1950
Assessor's Parcel Number (APN):	7411-019-016
Type of Construction:	Permanent structures: wood-framed
Current Tenants:	A-1 Trailer Park consisting of approximately 90 mobile home pads and three permanent buildings
Site Assessment Performed By:	Emilie Moore of Partner
Site Assessment Conducted On:	June 5, 2018

The subject property is currently occupied by A-1 Trailer Park and a vacant building for residential and commercial use. Onsite operations consist of residential living and general building and property maintenance. In addition to the current permanent structures, the subject property is also improved with approximately 90 mobile home pad sites, unused toilet structures, paved parking and driveway areas, and limited landscaping. No septic systems were observed or reported on the subject property.

According to available historical sources, the subject property was formerly undeveloped as early as 1896; developed with partially cleared and vacant land in the 1920s; and developed with the current mobile home park between 1945 and 1950.

The immediately surrounding properties consist of Pacific Coast Highway followed by ACE Cash Express, Pep Boys, and Del Taco to the north; a driveway followed by residences to the south; a parking lot to the east; and Frampton Avenue followed multi-tenant commercial businesses and a Los Angeles Department of Water and Power (LADWP) electrical substation to the west.

According to on-line information and topographic map interpretation, the depth and direction of groundwater in the vicinity of the subject property is approximately 80 feet below ground surface (bgs) and flow is toward the southeast.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 1280 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- Partner recommends that a methane assessment be conducted onsite prior to any future redevelopment activities.

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Appendix A Site Photographs
Appendix B Historical/Supporting Documentation
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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 1280 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies.

As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Red Oak Investments engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Red Oak Investments. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http: / www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner was unable to document the property use at 5-year intervals or less for all time periods, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews. Since no significant changes in use were identified during undocumented periods, this data failure is not considered critical and is not expected to alter the findings of this assessment.

- Partner submitted a Freedom of Information Act (FOIA) request to the Los Angeles County Health and Hazardous Materials Department (LAHHMD) and the Regional Water Quality Control Board (RWQCB) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjacent properties. As of this writing, these agencies have not responded to Partner's request for information pertaining to all subject property addresses. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.
- Partner observed all common areas and the exteriors of the privately-owned manufactured homes. Additionally, Partner was unable to inspect the interior of the three permanent structures located onsite. Based on the size and nature of use of the unobserved unit interiors (residential, utility, and vacant commercial), this limited method of survey is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 1280 Pacific Coast Highway in Los Angeles, California is located on the south side of Pacific Coast Highway and the east side of Frampton Avenue. According to the Los Angeles County Assessor and building records, the subject property is legally described as "*TRACT PECK'S SUB OF LOT J AND POR OF LOT H PARTITION OF RO LOS PALOS VERDES*LOT COM AT SW COR OF LOT 10 TH E 220 FT TH N PARALLEL WITH E LINE OF FRANPTON AVE,*" and ownership is currently vested in 1280 Pacific Coast Highway LLC.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by A-1 Trailer Park and a vacant building for residential and commercial use. Onsite operations consist of residential living and general building and property maintenance. In addition to the current permanent structures, the subject property is also improved with approximately 90 mobile home pad sites, unused toilet structures, paved parking and driveway areas, and limited landscaping.

The subject property is designated for commercial and mobile home park development by the City of Los Angeles.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of the Harbor City community within Los Angeles County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Pacific Coast Highway followed by ACE Cash Express (1333 Pacific Coast Highway), Pep Boys (1315 Pacific Coast Highway), and Del Taco (1229 Pacific Coast Highway)
South:	A driveway followed by residences (1270-1289 Riverrock Road)
East:	Parking lot (1268 Pacific Coast Highway)
West:	Frampton Avenue followed multi-tenant commercial businesses (1300 Pacific Coast Highway and 25841-25855 [odds] Frampton Avenue) and a LADWP electrical substation (25901 and 25923 Frampton Avenue)

Adjacent properties to the north and west were identified as Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index System/Facility Registry System (FINDS), Enforcement and Compliance History Information (ECHO), Historical Underground Storage Tank (HIST UST), Facility and Manifest Data (HAZNET), and Aboveground Storage Tank (AST) sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Torrance, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 45 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently toward the southeast. No structures are depicted on the subject property on the 1981 topographic map.

A copy of the 1981 topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

The subject property is located at the southern end of the Central Basin Pressure Area of the Los Angeles Basin and is underlain by the Lakewood Formation. The Lakewood Formation includes all Upper Pleistocene deposits including the Palos Verde Sand and the "200-foot Gravel". The Lakewood Formation is divided into the Artesian-Exposition Aquifers and the Gage-Gardena Aquifers. There are no known water-bearing sediments or beneficial uses for groundwater sources within the Palos Verdes Hills physiographic province. The nearest surface water in the vicinity of the subject property is Harbor Lake, located approximately 0.3-miles to the southeast of the subject property. No settling ponds, lagoons, surface impoundments, wetlands, or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Los Angeles Department of Water and Power (LADWP) serves the subject property vicinity. According to a representative of the LADWP, the sources of public water for the City of Los Angeles are surface water (Colorado River Aqueduct & Los Angeles Aqueduct) as well as groundwater.

According to a previous subsurface investigation conducted on a nearby property (former One-O-One and Harbor Inc. Dump located 100-feet east), the depth of groundwater in the vicinity of the subject property is inferred to be approximately 80 feet below ground surface (bgs).

2.4.3 Geology/Soils

The subject property is located within the Torrance Plain. The rectangular shaped Torrance Plain extends approximately 28 miles from Santa Monica in the northwest to Long Beach in the southeast and is 5 to 12 miles wide. The relatively flat Torrance Plain consists of marine and non-marine sediments. The Palos Verdes Hills, a prominent topographic feature, borders the southwest margin of the plain and the Newport-Inglewood zone of deformation borders the inland eastern margin of Torrance Plain. The Palos Verdes Hills consist of an uplifted fault block composed of a Jurassic age Catalina schist basement and marine sediment of Tertiary and Quaternary age that have folded into an anticlinal shape. The Palos Verdes Hills are divided from the West Coast Basin by the Palos Verdes Fault Zone. The displacement of near-surface sediments across the fault is relatively minor when compared to the significant displacement which offset the Catalina schist basement at depth.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06037C1945F, dated September 26, 2008, the subject property appears to be located in Unshaded Zone X, an area located outside of the 100-year and 500-year flood plains.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1896	Topographic Maps	Undeveloped/Native land
1923-1928	Aerial Photographs, Topographic Maps	Partially cleared, vacant land
1945-Present	Aerial Photographs, Building Records, City Directories, Onsite Observations	Developed with the present-day mobile home park

According to available historical sources, the subject property was formerly undeveloped as early as 1896; developed with partially cleared and vacant land in the 1920s; and developed with the current mobile home park between 1945 and 1950.

No potential environmental concerns were identified in association with the current or former use of the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources, Inc. (EDR). The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1923	***Scale: 1"=500'***
Subject Property:	Appears to be partially cleared and vacant land
North:	Appears to be undeveloped
South:	Appears to be partially cleared and vacant land
East:	Appears to be developed agriculturally across a road
West:	Appears to be developed with cleared land and residential structures

Date: 1928	***Scale: 1"=500'***
Subject Property:	Appears to be mostly cleared land
North:	No significant changes visible
South:	No significant changes visible
East:	Appears to be developed with industrial or commercial structures to the southeast
West:	Residential structures are no longer visible

Date: 1947	***Scale: 1"=500'***
Subject Property:	Appears to be cleared and developed with one row of manufactured homes along the eastern perimeter
North:	Appears to be developed with cleared land across the present-day Pacific Coast Highway
South:	No significant changes visible
East:	Appears to be developed with a narrow-cleared parcel followed by a landfill or industrial operation

Date: 1947		***Scale: 1"=500'***
West:	Appears to be developed with cleared land and small structures	

Date: 1953		***Scale: 1"=500'***
Subject Property:	Appears to be developed with additional manufactured homes and driveways	
North:	Appears to be developed with commercial/industrial buildings across Pacific Coast Highway	
South:	No significant changes visible	
East:	No significant changes visible	
West:	No significant changes visible	

Date: 1963, 1970		***Scale: 1"=500'***
Subject Property:	Appears to be developed with the present-day manufactured homes and driveways	
North:	Appears to be developed with additional commercial/industrial buildings across Pacific Coast Highway	
South:	Appears to be developed with parked vehicles or storage across a driveway	
East:	Appears to be developed with parked vehicles or storage and cleared land across a narrow vacant parcel	
West:	Appears to be developed with commercial and residential structures across the present-day Frampton Avenue	

Date: 1983		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	Appears to be developed with additional commercial/industrial buildings across Pacific Coast Highway	
South:	No significant changes visible	
East:	No significant changes visible except the southern portion of the previous storage area is developed as a paved parking lot	
West:	No significant changes visible	

Date: 1994		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	Appears to be developed with a commercial or industrial building	
East:	Appears to be a narrow vacant parcel followed by a paved parking lot	
West:	No significant changes visible	

Date: 2002		***Scale: 1"=500'***
Subject Property:	No significant changes visible	
North:	No significant changes visible	
South:	No significant changes visible	
East:	Appears to be developed with the present-day parking lot parcel followed by commercial structures and parking lots	
West:	No significant changes visible	

Date: 2005, 2009, 2016	*Scale: 1"=500'*
Subject Property:	No significant changes visible
North:	No significant changes visible
South:	Appears to be developed with the present-day residential structures across a driveway
East:	No significant changes visible
West:	No significant changes visible

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner requested Sanborn fire insurance maps from EDR. Sanborn map coverage was not available for the subject property.

A copy of the Sanborn Maps No Coverage Letter is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 1270, 1280, and 1290 Pacific Coast Highway and 25900 Frampton Avenue (Subject Property)	
Year(s)	**Occupant Listed**
1950	Ernest Oaks Plumbing Contractor; Yankee Doodle Coltee Shop (1290 Pacific Coast Highway)
1954	A-1 Trailer Sales; Greyhound Bus Lines (1290 Pacific Coast Highway)
1957	Residential listings
1960	A-1 Trailer Park and residential listings
1964	Kentucky Fried Chicken (1290 Pacific Coast Highway)
1970	A-1 Trailer Park and residential listings; Local Union Carpenters Hall (1290 Pacific Coast Highway); Discount Auto Parts (1290 Pacific Coast Highway)
1975	Cycle Parts and Accessories (1290 Pacific Coast Highway)
1980	A-1 Trailer Park and residential listings; Govinda Fine Produce (1290 Pacific Coast Highway)
1990	Residential listings; Sunny Sheepskins (1290 Pacific Coast Highway)
2001	Residential listings; CHUNSoon (1290 Pacific Coast Highway); Sunny Sheepskins (1290 Pacific Coast Highway)
2010	A-1 Trailer Park
2014	A-1 Trailer Park

Based on the city directory review, no environmentally sensitive listings were identified for the subject property addresses.

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1950	No listings
1954	No listings
1957	No listings

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1960	No listings
1964	No listings
1970	M&D X Ray Service Co. (1315 PCH); Local Union Carpenters Hall (1315 PCH); Kentucky Fried Chicken (1333 PCH)
1975	Kentucky Fried Chicken (1333 PCH)
1980	Kentucky Fried Chicken (1333 PCH)
1990	Kentucky Fried Chicken (1333 PCH)
2001	Del Taco (1229 PCH); Pep Boys (1315 PCH); Popular Cash (1333 PCH)
2010	Del Taco (1229 PCH)
2014	Del Taco (1229 PCH); Pep Boys (1315 PCH)

Based on the city directory review, no environmentally sensitive listings were identified for the adjacent property addresses.

Copies of reviewed city directories are not included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date: 1896	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped
East:	Depicted as undeveloped
West:	Depicted as undeveloped
Date: 1925	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted
East:	Depicted as undeveloped across railroad tracks
West:	Depicted as developed with structures across a road

Date: 1951, 1964, 1972	
Subject Property:	Depicted as developed with a structure
North:	Depicted as undeveloped across a highway
South:	Depicted as undeveloped
East:	Depicted as developed with a structure across railroad tracks
West:	Depicted as undeveloped across a road

Date: 1981	
Subject Property:	Depicted as undeveloped with a structure
North:	Depicted as shaded indicating general urban development across a highway
South:	Depicted as undeveloped
East:	Depicted as developed with small structures
West:	Depicted as undeveloped with commercial structures across a road

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 Health Department

Regulatory Agency Data	
Name of Agency:	Los Angeles County Fire Department Health Hazardous Materials Division (LACFD HHMD)
Point of Contact:	Wendy Kampen
Agency Address:	5825 Rickenbacker Road, Commerce, California 90040
Agency Phone Number:	(626) 430-3260
Date of Contact:	May 24, 2018
Method of Communication:	Online Request/Email
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LACFD HHMD for the current subject property address of 1280 Pacific Coast Highway. As of the date of this report, Partner has not received a response from the LACFD HHMD for the additional subject property addressees.

4.1.2 Fire Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Fire Department (LAFD)- Underground Storage Tank Division (USTD) and the Hazardous Materials Division (HMD)
Agency Address:	200 North Main Street, 17th Floor, Los Angeles, California 90012
Agency Phone Number:	(213) 978-3691
Date of Contact:	May 24, 2018
Method of Communication:	Online Inventories
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and ASTs on the subject property were identified in the CUPA regulated facilities online file lists for the LAFD UST and HazMat divisions.

4.1.3 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (SCAQMD)
Website:	Facility Information Detail (FIND) Database *http://www3.aqmd.gov/webappl/fim/prog/search.aspx*
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909) 396-2000
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or

USTs were on file for the subject property in the SCAQMD online database.

4.1.4 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	California Regional Water Quality Control Board (RWQCB)
Website:	GeoTracker Online Database *https://geotracker.waterboards.ca.gov/*
Agency Address:	320 West 4th Street, Suite 200, Los Angeles, California 90013
Agency Phone Number:	(213) 576-6600
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file in the RWQCB's GeoTracker online database.

4.1.5 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Websites:	EnviroStor *http://www.envirostor.dtsc.ca.gov/public/* Hazardous Waste Tracking System (HWTS) *http://hwts.dtsc.ca.gov/report_search.cfm?id=5*
Agency Address:	9211 Oakdale Avenue, Chatsworth, California 91331
Agency Phone Number:	(818) 717-6500
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file in the EnviroStor or HWTS databases.

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Department of Building and Safety (LADBS)
Website:	*http://ladbsdoc.lacity.org/idispublic/*
Agency Address:	201 North Figueroa Street, Los Angeles, California 90012
Agency Phone Number:	(213) 482-6862
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	Records were available for review, as further discussed in the following table:

1270, 1280, and 1290 Pacific Coast Highway and 25900 Frampton Avenue (Subject Property)		
Year(s)	**Owner/Applicant**	**Description**
1945	Not Provided	New building permit for a 1-story building located at 25900 South Frampton Avenue
1947	Not Provided	Certificate of Occupancy for a 1-story utility building related to a trailer camp and located at 25900 South Frampton Avenue
1950	L.N. Moore	Certificate of Occupancy for a private garage addition to a community laundry room as related to an onsite trailer camp
1951	L.N. Moore	Certificate of Occupancy for a 1-story utility building
1964	Mr. Thomas Gurski	Certificate of Occupancy for a restaurant converted from a one-story commercial building at 1290 Pacific Coast Highway
1970	Mr. and Mrs. H. Ferrera	Certificate of Occupancy from restaurant to auto parts sales at 1290 Pacific Coast Highway

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Planning Department (LAPD) and Zoning Information and Map Access System (ZIMAS)
Website:	ZIMAS Online *http://zimas.lacity.org/*
Agency Address:	201 North Figueroa Street, Los Angeles, California 90012
Agency Phone Number:	(213) 482-7077
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is zoned C2-1V for "community commercial" development and ZI-1361 for "mobile home park" residential development by the City of Los Angeles. According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

4.1.8 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Division of Oil, Gas and Geothermal Resources (DOGGR)
Point of Contact:	*http://maps.conservation.ca.gov/doms/index.html*
Agency Address:	5816 Corporate Avenue, Suite 200, Cypress, California 90630
Agency Phone Number:	(714) 816-6847
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	According to DOGGR, no oil or gas wells are located on or adjacent to the subject property.

4.1.9 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Los Angeles County Office of the Assessor (LACOA) and ZIMAS
Point of Contact:	*http://maps.assessor.lacounty.gov/mapping/viewer.asp*
Agency Address:	500 West Temple Street, Room 225, Los Angeles, California 90012
Agency Phone Number:	(213) 974-3211
Date of Contact:	May 24, 2018
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 7411-019-016 and the onsite structures were erected between 1946 and 1955.

Copies of pertinent documents obtained from the above-referenced regulatory agencies (if available) are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by EDR. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	Y	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N/A	N/A
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	Y	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N/A
EDR US Hist Auto Station	Varies	N	N	N/A
EDR US Hist Cleaners	Varies	N	N	N/A
HAZNET	Varies	N	Y	N/A
FINDS/ECHO	Varies	N	Y	N/A
HIST UST	Varies	N	Y	N/A
WMUDS/SWAT	Varies	N	N	Y
LDS	Varies	N	N	Y

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

The adjacent property to the north is identified as a RCRA-SQG, FINDS, and ECHO site in the regulatory database report, as discussed below:

- The property, identified as Tillack & Co. Ltd at 1325 Pacific Coast Highway, is located adjacent to the north, hydrologically up-gradient of the subject property. According to the RCRA listing, the site was a small quantity generator of unnamed hazardous waste in 1986. No violations were reported in connection with the RCRA listing. The FINDS and ECHO databases are indexing systems that are used to cross-reference various federal and state database listings. These databases do not, in and of themselves, contain any data concerning environmental significant information, however the site was listed with FINDS Facility ID 110002707161 and ECHO Environmental ID 1000275897. No violations were reported in connection with these listings and

this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.

- The property, identified as Harbor City High Performance and Independent Toyota Rep at 1313 Pacific Coast Highway, is located adjacent to the north, hydrologically up-gradient of the subject property. According to the RCRA listings, the site was a large and small quantity generator of unnamed hazardous waste in 1987 and 1997. No violations were reported in connection with the RCRA listing. The FINDS and ECHO databases are indexing systems that are used to cross-reference various federal and state database listings. These databases do not, in and of themselves, contain any data concerning environmental significant information, however the site was listed with FINDS Facility ID 110002786138and ECHO Environmental ID 1000209525. According to the HAZNET listings, the site recycled waste in the form of aqueous solution from 1993-2000. According to the HIST UST listing, the site was equipped with one 500-gallon waste oil UST. No violations were reported in connection with these listings and this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.
- The property, identified as Mikes & Max's at 25853 Frampton Avenue, is located adjacent to the west, hydrologically cross-to-up-gradient of the subject property. According to the RCRA listing, the site was a small quantity generator of unnamed hazardous waste in 1987. No violations were reported in connection with the RCRA listing. The FINDS and ECHO databases are indexing systems that are used to cross-reference various federal and state database listings. These databases do not, in and of themselves, contain any data concerning environmental significant information, however the site was listed with FINDS Facility ID 110002787636 and ECHO Environmental ID 1000220138. No violations were reported in connection with these listings and this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.
- The property, identified as Distributing Station 123 at 25923 Frampton Avenue, is located adjacent to the west, hydrologically cross-to-up-gradient of the subject property. According to the AST listing, the Los Angeles Department of Water and Power (LADWP) owns the site, which was equipped with one AST that was identified by CERSID 10030240. No violations were reported in connection with this listing and this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.

4.2.4 Sites of Concern Listings

The property located two parcels east of the subject property is identified as a Waste Management Unit (WMUDS/SWAT) and Land Disposal Site (LDS) site in the regulatory database report, as discussed below:

- The property, identified as One-O-One and Harbor Inc. dump was located approximately 100 feet east of the subject property, and situated hydrologically down-gradient. Prior to use as a landfill/dump, the site was used for clay pit/brick manufacturing. The dump ceased operation in 1965 and occupied approximately 3.8 acres adjacent to the southwestern corner of the intersection of Pacific Coast Highway and Normandie Avenue. A solid waste water quality assessment test (SWAT) investigation was performed in 1989 and consisted of the installation of four groundwater monitoring wells and two lysimeters near the perimeter of the inactive dump.

  According to the analytical sampling results, soil samples indicated either undetectable metal concentrations or concentrations of metals below actionable values, and no detectable concentrations of organic halocarbons or volatile aromatic constituents. All samples were representative of native material found below the landfill refuse material. High OVA values for soil samples are believed to be due to methane gas. Several halocarbon and volatile aromatic constituents above Drinking Water Standards were detected in the groundwater. The well closest to the subject property (MW4) contained l,2 dichloroethane, trans l,2—dichloroethene, chlorobenzene, TCE, PCE, and benzene. Of these, l,2-dichloroethane, trans l,2-dichloroethene, and TCE were detected in all wells. Based on the SWAT report, ongoing groundwater monitoring was recommended. However, it is unclear if such monitoring ever occurred. Partner notes that an outstanding FOIA for further information is still pending with the RWQCB. However, based on the duration of time elapsed since the last landfill activities, as well as the inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern to the subject property.

4.2.5 Orphan Listings

No orphan listings of concern are identified in the regulatory database report.

Based on the database report findings, vapor migration is not expected to represent a significant environmental concern at this time. However, as indicated in Section 4.1.7, due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Red Oak Investments (User of this report).

User Responsibilities

Item	Provided By User	Not Provided By User	Discussed Below	Does Not Apply
Environmental Pre-Survey Questionnaire		**X**		
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property, identified as 1280 Pacific Coast Highway LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

A key site manager was not available to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with environmental lien and AUL information for review as part of this assessment. However, Partner was provided a copy of a title report, dated April 5, 2018, which did not indicate environmental liens and/or AULs associated with the subject property. A copy of the title report is included in Appendix B of this report.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Emilie Moore
Site Assessment Conducted On:	June 5, 2018

Partner was unaccompanied during the field reconnaissance,

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located south of the southern subject property line. The City of Los Angeles removes solid waste from the subject property. According to property personnel, only household trash is collected in the on-site solid waste dumpsters. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of Los Angeles services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located throughout the subject property and in the public right of way. Site storm water from roofs, landscaped areas, and paved areas is directed to on-site concrete swales, which drain to the public right of way, and to on-site storm water drains. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Domestic hot water equipment appears to be fueled by electricity provided by The Los Angeles Department of Water and Power (LADWP).

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

The on-site reconnaissance addressed indoor and outdoor transformers that may contain PCBs. Multiple pole-mounted transformers were observed on the subject property. The transformers are not labeled indicating PCB content. No staining or leakage was observed in the vicinity of the transformers. Based on the good condition of the equipment, the transformers are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property buildings were constructed in 1945-1950. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	**Location**	**Friable Yes/No**	**Physical Condition**
Stucco	Throughout Building Exteriors	Yes	Good

Partner was not provided access to the interior of the permanent onsite structures.

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Based on the age of the subject property buildings (pre-1978), there is a potential that LBP is present. Exterior painted surfaces were observed in good condition and therefore not expected to represent a hazard. Partner was not provided access to the interior of the permanent onsite structures.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Los Angeles Department of Water and Power (LADWP) serves the subject property vicinity. According to a representative of the LADWP, the sources of public water for the City of Los Angeles are surface water (Colorado River Aqueduct & Los Angeles Aqueduct) as well as groundwater. According to the 2013 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner was not provided access to the interior of the subject property buildings to inspect for significant evidence of mold growth. This limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

No obvious indications of water damage or mold growth were observed during Partner's visual exterior assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 1280 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- Partner recommends that a methane assessment be conducted onsite prior to any future redevelopment activities.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 1280 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Emilie Moore
Environmental Professional

Reviewed By:



Brian Gallagher, P.G.
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, June 2018

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, June 2018

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, June 2018

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, June 2018

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, June 2018

United States Geological Survey, accessed via the Internet, June 2018

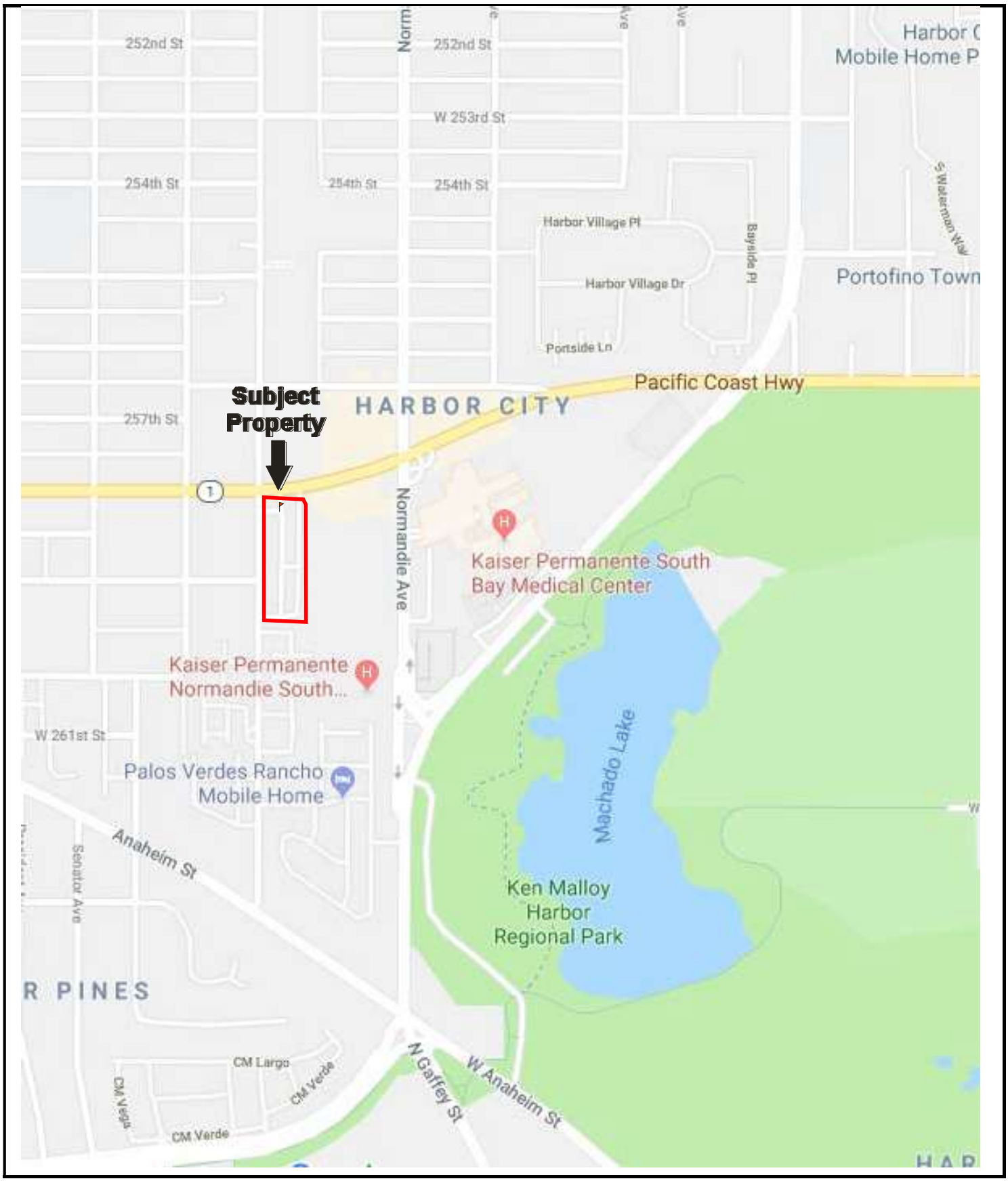
United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, June 2018

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP



N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 18-210321.1

PARTNER



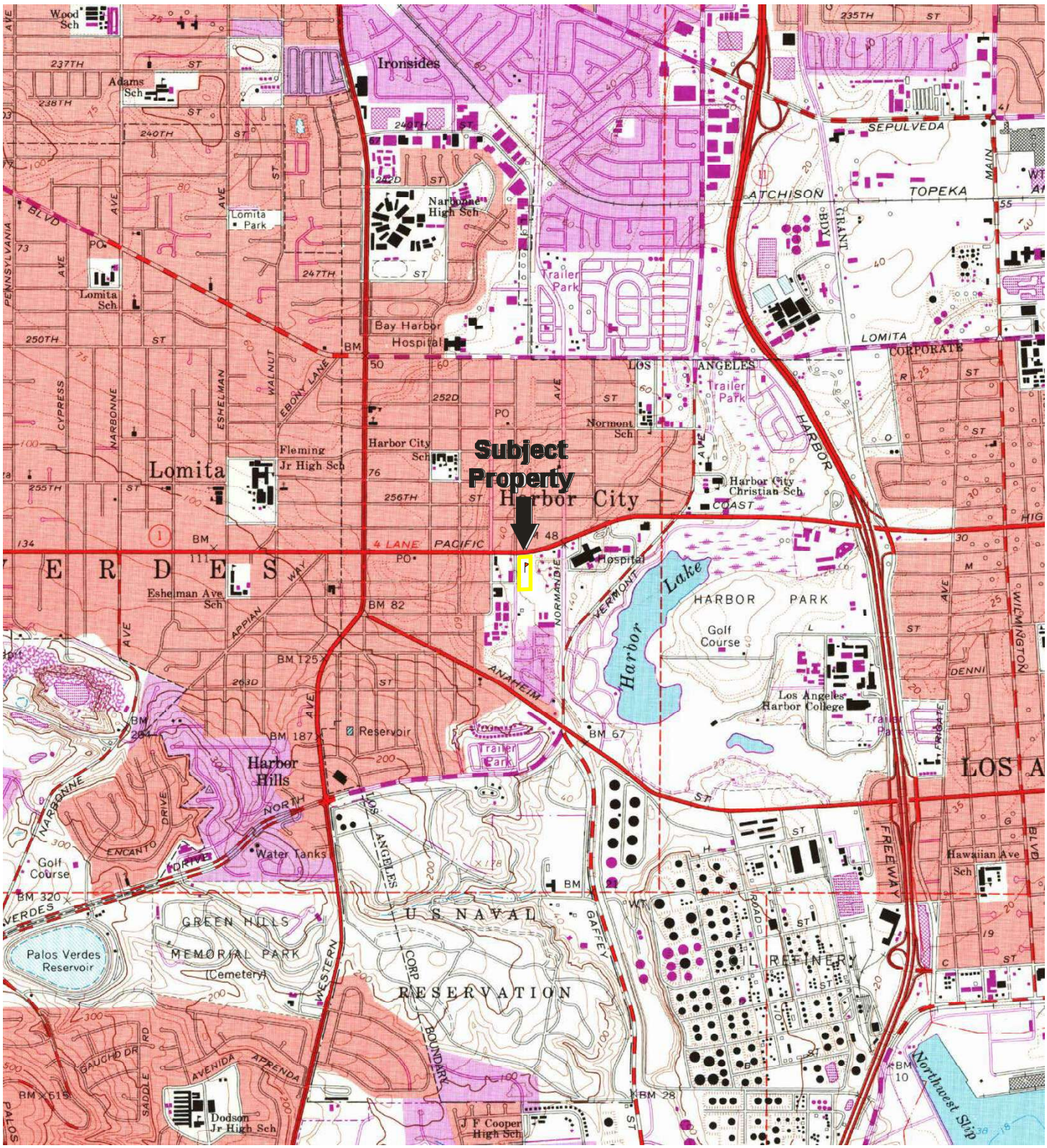
N

GROUNDWATER FLOW

KEY:
Subject Property

FIGURE 2: SITE PLAN
Project No. 18-210321.1

PARTNER



N

USGS 7.5 Minute *Torrance, California* Quadrangle
Year: 1981

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 18-210321.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. View of the north elevation and main subject property entrance from Pacific Coast Highway with the vacant commercial building and the manager's trailer visible.



2. View of the manager's trailer and entrance area.



3. View of the entrance driveway and mobile homes.



4. View of one of many "toilet structures."



5. View of a vacant mobile home pad.



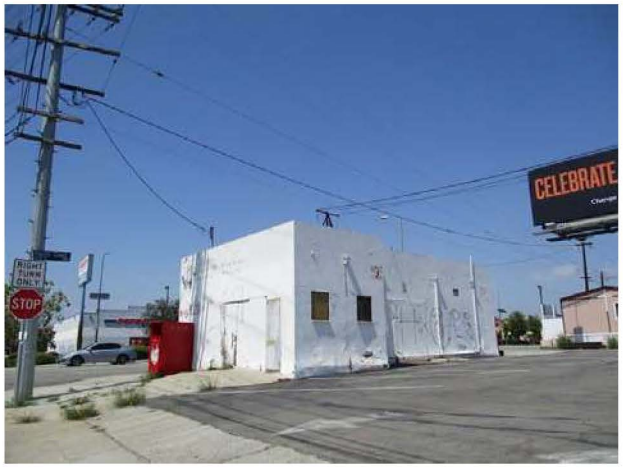
6. View of the subject property.



7. View of the subject property southwestern corner.



8. View of Frampton Avenue facing north with the subject property visible along the right.



9. View of the vacant commercial building.



10. View of the permanent residential structure.



11. View of the permanent laundry/utility building.



12. View of the rear trash dumpsters.



13. View of the south adjacent driveway facing west.



14. View of the south adjacent residences.



15. View of the subject property facing north.



16. View of the west adjacent multi-tenant commercial building.



17. View of the west adjacent power substation.



18. View of the west adjacent commercial building.



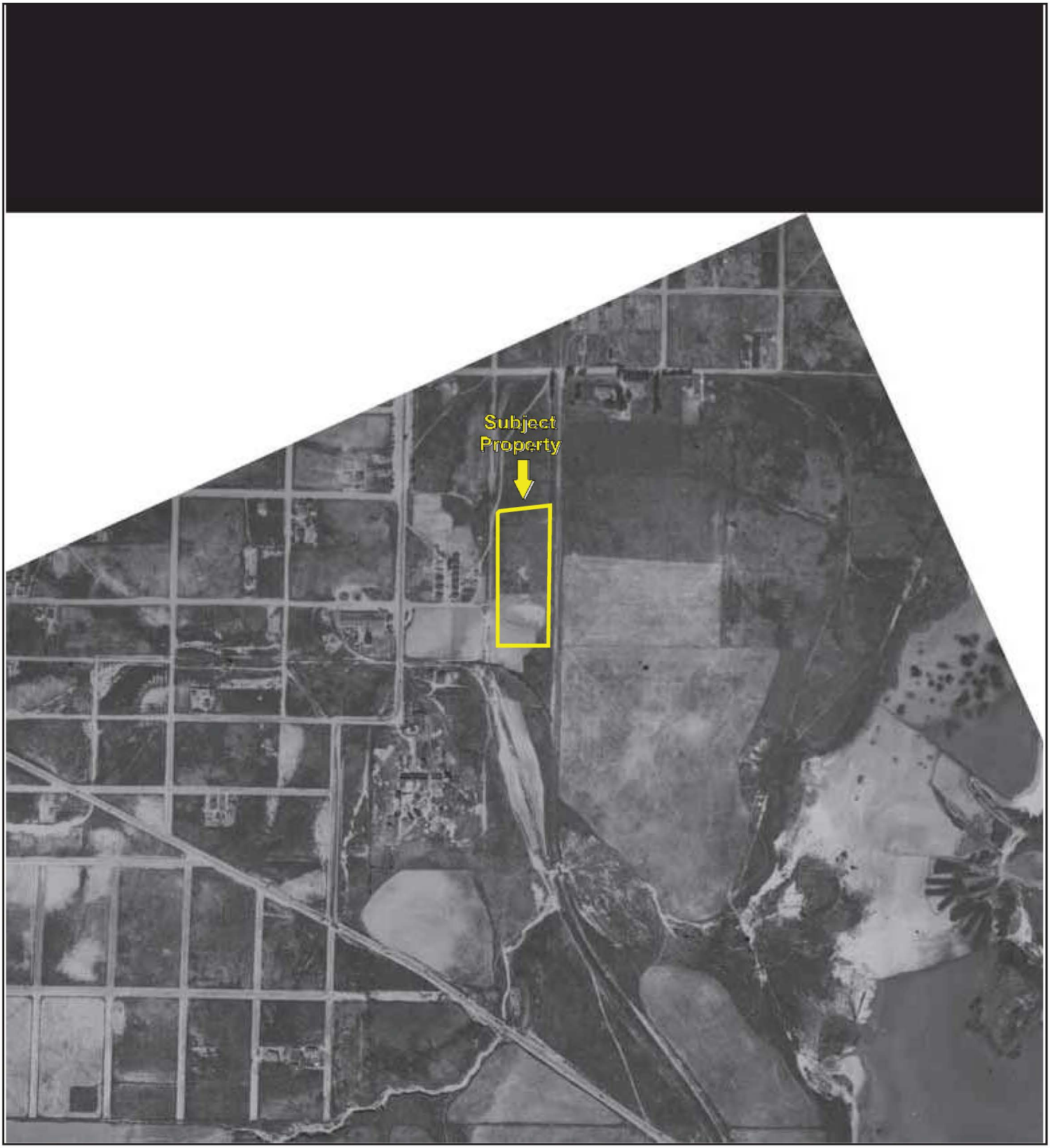
19. View of the north adjacent Pep Boys.



20. View of the north adjacent Pep Boys and ACE.

APPENDIX B: HISTORICAL/SUPPORTING DOCUMENTATION

Aerial Photograph Year: 1923



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1928



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1947



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1953



500 1000 2000

N

Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

Aerial Photograph Year: 1963



500 1000 2000

N

Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

Aerial Photograph Year: 1970



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1983

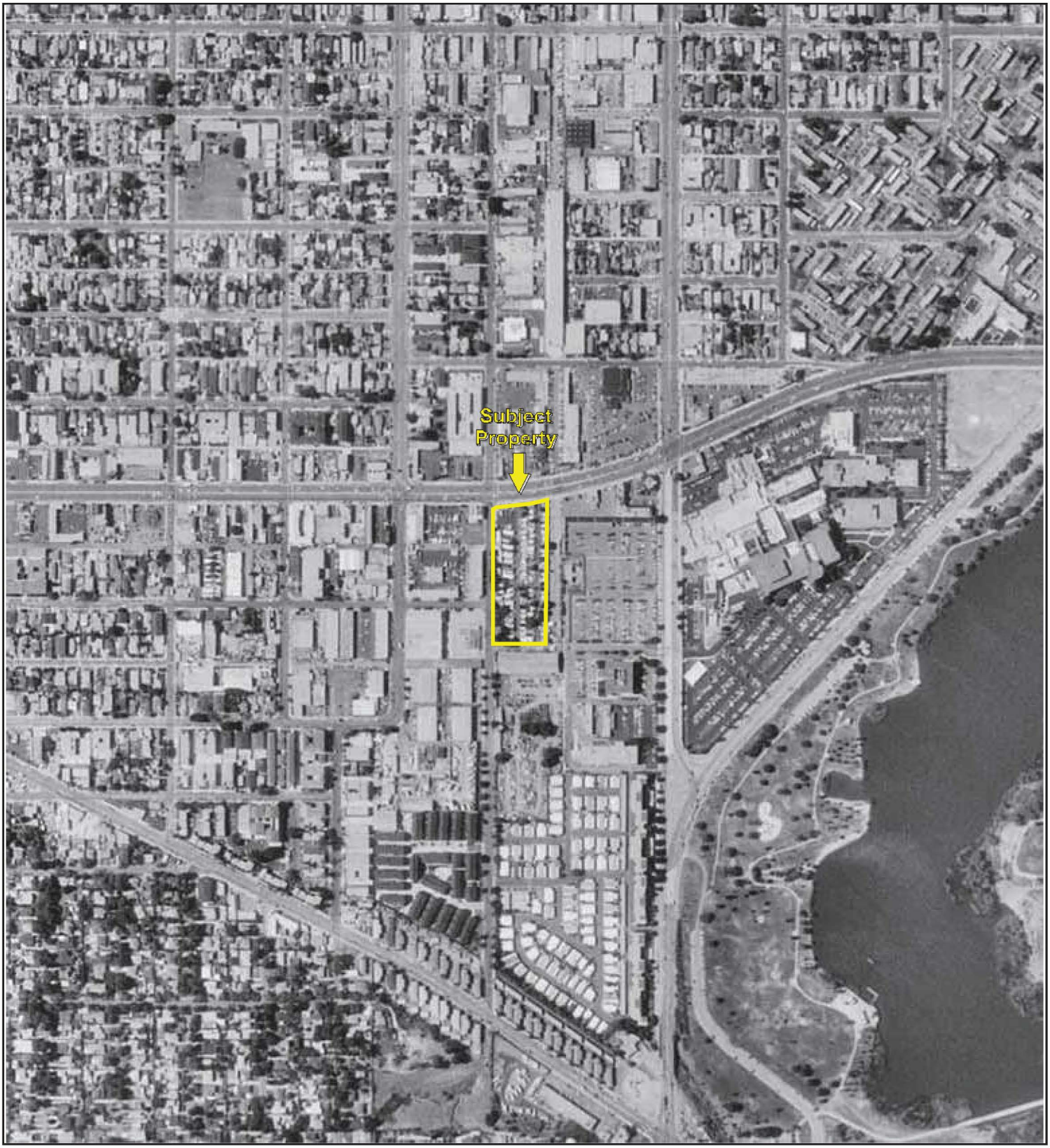


500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1994



500 1000 2000

N

Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

Aerial Photograph Year: 2002



500 1000 2000

N

Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

Aerial Photograph Year: 2005

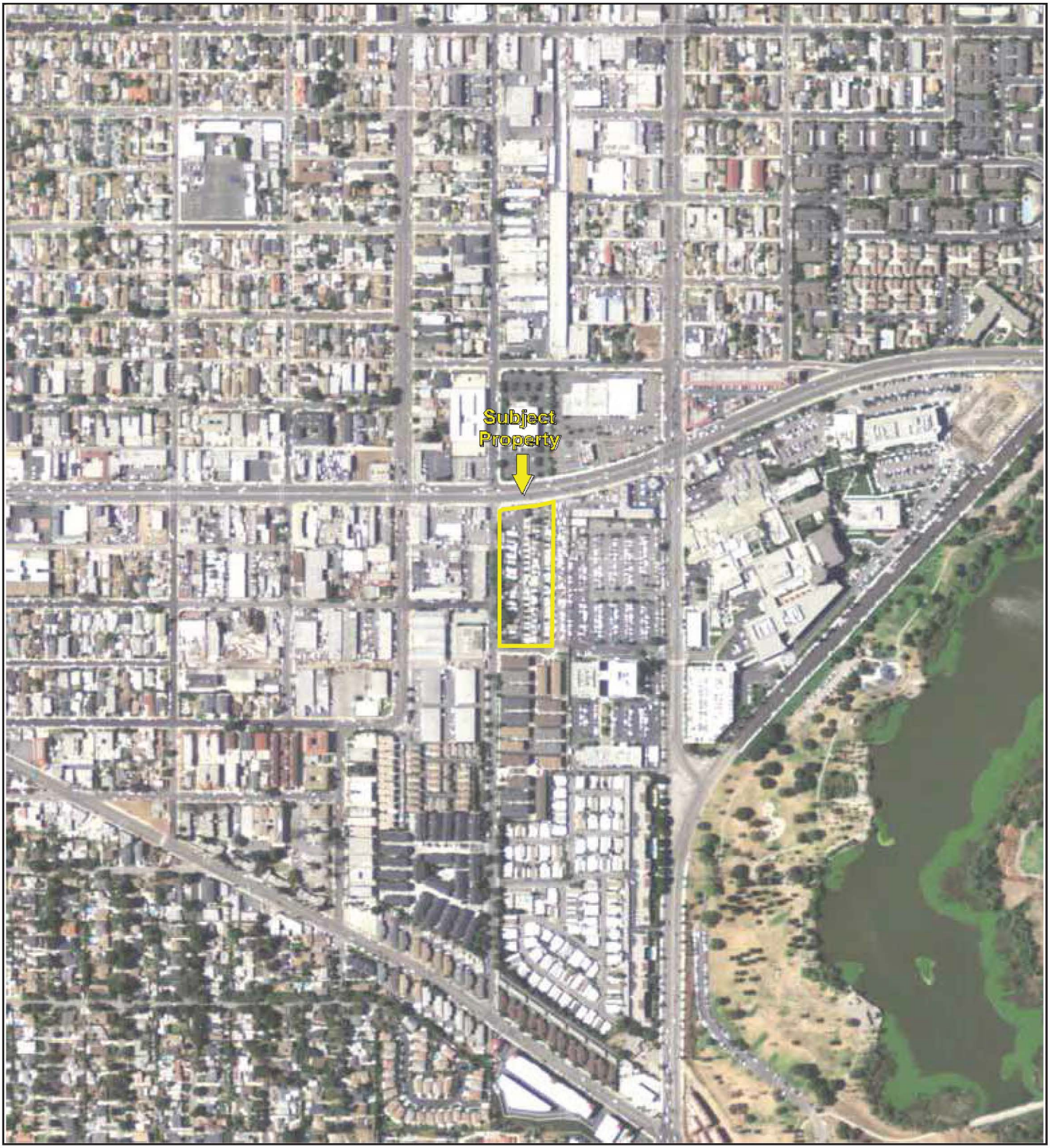


500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 2009



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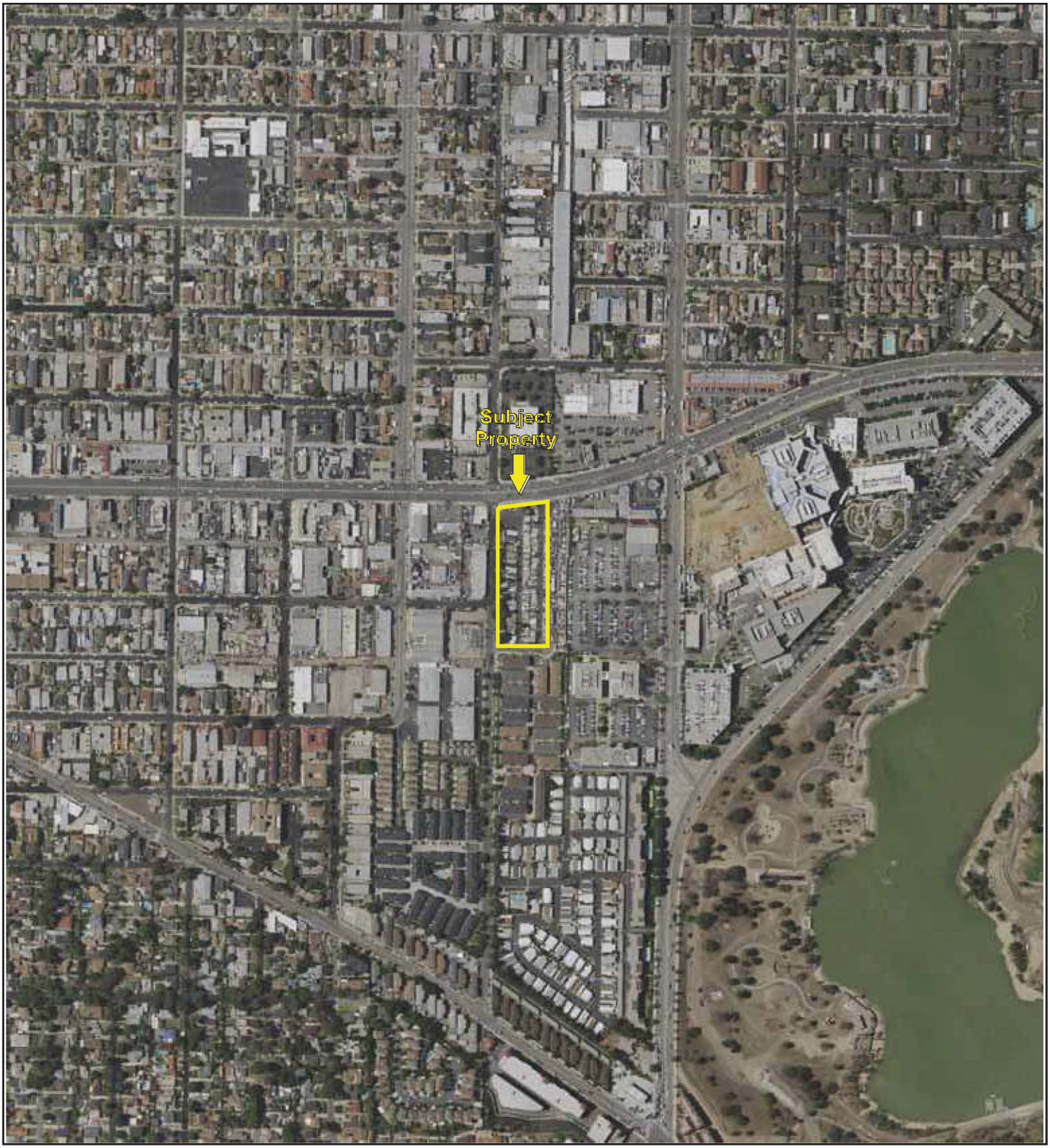
Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

Aerial Photograph Year: 2016



500 1000 2000

N

Key: Subject Property

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 18-210321.1

PARTNER

1280 Pacific Coast Highway

1280 Pacific Coast Highway

Harbor City, CA 90710

Inquiry Number: 5309178.3

May 23, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

05/23/18

Site Name:

1280 Pacific Coast Highway
1280 Pacific Coast Highway
Harbor City, CA 90710
EDR Inquiry # 5309178.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Colleen Tubridy

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Certified Sanborn Results:

Certification # 3178-49F1-ABC4

PO # NA

Project 18-210321.1

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Sanborn® Library search results

Certification #: 3178-49F1-ABC4

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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1280 Pacific Coast Highway
1280 Pacific Coast Highway
Harbor City, CA 90710

Inquiry Number: 5309178.5
May 30, 2018

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

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with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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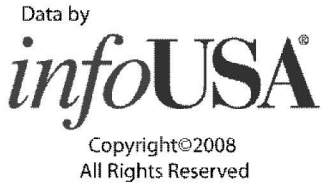

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1280 Pacific Coast Highway
Harbor City, CA 90710

FINDINGS DETAIL

Target Property research detail.

Pacific Coast Hwy

1280 Pacific Coast Hwy

Year	Uses	Source
2014	A1 TRAILER PARK	EDR Digital Archive
	CALIFORNIA VOYAGEURS	EDR Digital Archive
2010	A1 TRAILER PARK	EDR Digital Archive
	AAM MDSE	EDR Digital Archive
	CALIFORNIA VOYAGEURS	EDR Digital Archive

PACIFIC COAST HWY

1280 PACIFIC COAST HWY

Year	Uses	Source
2001	6 A 1 TRLRPK A 1 TRAILER PK	Haines & Company, Inc.
	SANCHEZJoaqum	Haines & Company, Inc.
1995	A15 DORANTES L	Pacific Bell
	A19 CAVANAUGH JIM	Pacific Bell
	A20 CHAVEZ JOEL PULIDO	Pacific Bell
	A3 STOMBS RICHARD T	Pacific Bell
	B10 KINNEY DWIGHT F	Pacific Bell
	B11 LAY RICHARD JEFFERY	Pacific Bell
	B12 HARDWICK RONALD	Pacific Bell
	C19 A-1 TRAILER PARK	Pacific Bell
	C19 SHERMAN CHARLES	Pacific Bell
	D11 MAY SAMUEL M	Pacific Bell
	D17 CEJA DELFINO	Pacific Bell
	D7 MCFARLAND JOHN R	Pacific Bell
	E10 SANCHEZ JOAQUIN	Pacific Bell
	E15 HOLT CHRISTINE	Pacific Bell
1990	A1 MUISE DAVE	Pacific Bell

FINDINGS

Year	Uses	Source
1990	A14 PLILEY D B	Pacific Bell
	A19 VELICKI RADOVAN	Pacific Bell
	A21 JONES WALTER	Pacific Bell
	A3 STOMBS RICHARD T	Pacific Bell
	A4 MCBREARTY MICHAEL	Pacific Bell
	ANDERSON DOMINGA B	Pacific Bell
	B10 KINNEY DWIGHT F	Pacific Bell
	B3 WILEY WILL	Pacific Bell
	B9 GREBB KELLY	Pacific Bell
	BATES RAYMOND	Pacific Bell
	C11 MAY SAMUEL M	Pacific Bell
	C15 MOGENSEN JERRY	Pacific Bell
	C19 GRAFT ERNEST W	Pacific Bell
	CONCRETE & ASPHALT SAWING	Pacific Bell
	D16 FONSECA EUSEDIO	Pacific Bell
	D7 MC FARLAND JOHN R	Pacific Bell
	E10 SANCHEZ JOAQUIN	Pacific Bell
	E12 ROKES DELBERT	Pacific Bell
	E15 HOLT CHRISTINE	Pacific Bell
	E16 GRIFFIN TRAVIS	Pacific Bell
	E17 MALCOLM T	Pacific Bell
	E7 HAWK M I	Pacific Bell
	E9 A-1 TRAILER PARK	Pacific Bell
	SHAFER PAUL H	Pacific Bell
1985	A-1 TRAILER PARK	Pacific Bell
	CONCRETE & ASPHALT SAWING	Pacific Bell
	DE NEEFE JAY	Pacific Bell
	FLETCHER J	Pacific Bell
	FRITZ P	Pacific Bell
	GRAFT ERNEST W	Pacific Bell
	GREBB KELLY	Pacific Bell
	GUMP GEO D	Pacific Bell
	HANSON CLAUDE	Pacific Bell
	HAWK M I	Pacific Bell
	HOLT CHRISTINE	Pacific Bell
	HOOVER JOHN	Pacific Bell
	JACKSON TOIVO J	Pacific Bell
	KINNEY DWIGHT F	Pacific Bell

FINDINGS

Year	Uses	Source
1985	MAY SAMUEL M	Pacific Bell
	MCAULIFF PATRICK	Pacific Bell
	MCBREARTY MICHAEL	Pacific Bell
	MCFARLAND JOHN R	Pacific Bell
	MIGNANO BEN	Pacific Bell
	MOGENSEN JERRY	Pacific Bell
	MOORE WOODROW G	Pacific Bell
	MUISE DAVE	Pacific Bell
	PLILEY D B	Pacific Bell
	POWELL ED JR	Pacific Bell
	REIN LLOYD M	Pacific Bell
	SALVESTON T H	Pacific Bell
	STOMBS RICHARD T	Pacific Bell
	THOMPSON C A	Pacific Bell
	VANN C O	Pacific Bell
	WILCOX MELBA	Pacific Bell
	WILEY WILL	Pacific Bell
1980	A-1 TRAILER PARK	Pacific Telephone
	ANKERSTAR C	Pacific Telephone
	BABIN LAWRENCE C MRS	Pacific Telephone
	DENEEFE JAY & LAURIE	Pacific Telephone
	FLETCHER DAVID A	Pacific Telephone
	FRANKS WM M	Pacific Telephone
	FRITZ P	Pacific Telephone
	GENE L SIDWELL CONCRETE & ASPHALT SAWING	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	GREBB KELLY	Pacific Telephone
	HAWK M I	Pacific Telephone
	HOLT CHRISTINE	Pacific Telephone
	JACKSON TOIVO J	Pacific Telephone
	LUNDIN V LOUIS	Pacific Telephone
	MCBREARTY MICHAEL	Pacific Telephone
	MCFARLAND JOHN R	Pacific Telephone
	MIGNANO BEN	Pacific Telephone
	MITCHELL WAYNE & ANA MARIA	Pacific Telephone
	MOGENSEN JERRY	Pacific Telephone
	MOORE WOODROW G	Pacific Telephone
	MOYER JIM L	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	MUFFLY A L	Pacific Telephone
	NELSON JUDY	Pacific Telephone
	PLILEY D B	Pacific Telephone
1975	A-1 TRAILER PARK	Pacific Telephone
	ATHEY JOHN	Pacific Telephone
	BABIN LAWRENCE C MRS	Pacific Telephone
	BARRETT D B	Pacific Telephone
	BATTAGLIA V M	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLIBURN HANNAH	Pacific Telephone
	CURNUTT J C	Pacific Telephone
	EHLENDT RICHARD M	Pacific Telephone
	FINNEY LEE	Pacific Telephone
	FRITZ P	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	HAWK M I	Pacific Telephone
	HOLT CHRISTINE	Pacific Telephone
	JEWETT C R	Pacific Telephone
	JOHNSON ACE C	Pacific Telephone
	JUETT TRACY G	Pacific Telephone
	KEMP O G	Pacific Telephone
	KESTER STANLEY	Pacific Telephone
	LAYFIELD ROBT	Pacific Telephone
	LEWIS IVEY	Pacific Telephone
	LUNDIN V LOUIS	Pacific Telephone
	MARTIN W D	Pacific Telephone
	MEYER ELMER J	Pacific Telephone
	MOGENSEN MARY	Pacific Telephone
	MOVER JIM L	Pacific Telephone
	MUFFLY A L	Pacific Telephone
	PARKINSON O	Pacific Telephone
	PLILEY W L	Pacific Telephone
1970	A-1 TRAILER PARK	Pacific Telephone
	ALLEN HELEN N	Pacific Telephone
	BUCKALEW ODELL A	Pacific Telephone
	CAYLOR WAYNE	Pacific Telephone
	CLIBURN HANNAH	Pacific Telephone
	COOK RUSSELL B	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	DEWALD JOS	Pacific Telephone
	DURRELL DORDTHY	Pacific Telephone
	FINNEY LEE O	Pacific Telephone
	GAULDING THOS J	Pacific Telephone
	HARTFORD J	Pacific Telephone
	IGNACIO TOMAS L G	Pacific Telephone
	JEWETT C R	Pacific Telephone
	JOHNSON ACE C	Pacific Telephone
	LEWIS IVEY	Pacific Telephone
	LOZANO CONRAD JR	Pacific Telephone
	LYON MARY E MRS	Pacific Telephone
	MCMULLEN PEARL DEAN	Pacific Telephone
	MOGENSEN MARY	Pacific Telephone
	OSBORNE FLOYD	Pacific Telephone
	OWENS IVA N	Pacific Telephone
	PARKINSON HERBERT	Pacific Telephone
	RAINWATER CHAS H	Pacific Telephone
	REED HELENE H	Pacific Telephone
	UDE CARL E	Pacific Telephone
1964	A-1 TRAILER PARK	Pacific Telephone
	BINK CARRIE M	Pacific Telephone
	DAVIS MAGGIE A	Pacific Telephone
	GARRISON BEATRICE E	Pacific Telephone
	HEDIGER ERNEST	Pacific Telephone
	HILL THOS	Pacific Telephone
	HONEYWELL STELLA M	Pacific Telephone
	KILPATRICK JOHNNIE R	Pacific Telephone
	LYON MARY E MRS	Pacific Telephone
	MARKLEY FRANCIS D	Pacific Telephone
	MATTHEWS THAD J	Pacific Telephone
	MCGEE GEO	Pacific Telephone
	OSBORNE FLOYD	Pacific Telephone
	TARBET MAUDE	Pacific Telephone
	VAN HEUVEL WALTER J	Pacific Telephone
	WORKMAN W T	Pacific Telephone
1960	A-1 TRAILER PARK	Pacific Telephone
	BERGER GILBERT J	Pacific Telephone
	BINK CARRIE M	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	CAMARENA MOLLIE	Pacific Telephone
	DAVIS MAGGIE A	Pacific Telephone
	GRITTON ANNA MRS	Pacific Telephone
	METZGER MICHAEL T	Pacific Telephone
	PEREDETTO LOUIS C	Pacific Telephone
	SULLIVAN RUSSELL R SGT	Pacific Telephone
	TARBET MAUDE	Pacific Telephone
	TARNOW EMIL H	Pacific Telephone
	VAN HEUVEL WALTER J	Pacific Telephone
	VERENKOFF PETER	Pacific Telephone
	WALLINGER FIDALUS	Pacific Telephone
1957	COLE JAS	Pacific Telephone
	HONEYWELL STELLA M	Pacific Telephone
	IDOSE SILAS J	Pacific Telephone
1954	A-I TRAILER SALES	R. L. Polk & Co.
1950	OAKES ERNEST PLMBNG CONTR	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

259TH

1408 259TH

Year	Uses	Source
1995	DECORATIVE RIBBON PRODUCTS	Pacific Bell
1990	MARIAS DRAPERIES	Pacific Bell

1410 259TH

Year	Uses	Source
1995	GLOBAL TECH	Pacific Bell
1990	X E M	Pacific Bell

1412 259TH

Year	Uses	Source
1995	NBJ & ASSOCIATES	Pacific Bell
1990	VALENZA SPORTSWEAR	Pacific Bell
1981	F & S SPORTSWEAR NO 2 HARBOR CITY	Pacific Telephone

1414 259TH

Year	Uses	Source
1995	RINCON DEL MAR INC	Pacific Bell

1416 259TH

Year	Uses	Source
1990	F & M STRIPER SERVICE	Pacific Bell

1418 259TH

Year	Uses	Source
1995	SPACETIME MACHINE CO	Pacific Bell
1990	SPACETIME MACHINE CO	Pacific Bell

1422 259TH

Year	Uses	Source
1995	MILLER STEPHEN D	Pacific Bell
1990	MILLER STEPHEN D	Pacific Bell

FINDINGS

1424 259TH

Year	Uses	Source
1981	E P I ENERGY SYSTEMS HARBOR CITY	Pacific Telephone

1426 259TH

Year	Uses	Source
1995	FRANKS INDUSTRIAL	Pacific Bell
	FRANKS INDUSTRIAL SERVICES	Pacific Bell
1990	FRANKS INDUSTRIAL SERVICES	Pacific Bell
	FRANKS INDUSTRIAL	Pacific Bell

1428 259TH

Year	Uses	Source
1995	POTTS USA	Pacific Bell
1990	WEST COAST AIR CONDITIONING CO	Pacific Bell

1429 259TH

Year	Uses	Source
1995	SPACEONICS INDUSTRIES INC	Pacific Bell
1990	SPACEONICS INDUSTRIES INC	Pacific Bell

259TH PL

1333 259TH PL

Year	Uses	Source
1957	HALL S AUTO WRECKING	Pacific Telephone
1954	BARROZO VII R	R. L. Polk & Co.
1950	BARROZO M R R	Pacific Telephone

BELLE PORTE AVE

25731 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	MARQUEZ TRINIDAD	Pacific Telephone

25733 BELLE PORTE AVE

Year	Uses	Source
1964	MUKAIHATA TAMIECHR	Pacific Telephone
1960	MUKAIHATA TAMIECHI	Pacific Telephone
1957	MUKAIHATA TAMIECHI	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	MUKAIHATA TAD	R. L. Polk & Co.
1950	MUKAIBATA TAD R	Pacific Telephone

25737 BELLE PORTE AVE

Year	Uses	Source
2001	ANAYA C	Haines & Company, Inc.
1995	3 FERNANDEZ HECTOR	Pacific Bell
	6 ANAYA CARLOS	Pacific Bell
1990	3 FERNANDEZ HECTOR	Pacific Bell
	4 ROMO HUMBERTO & CHRISTINA	Pacific Bell
	5 MAGALLON JOSE F	Pacific Bell
	6 ANAYA CARLOS	Pacific Bell
	7 NOVOA LUIS	Pacific Bell
	9 PENA BARTOLO	Pacific Bell
	10 OROZCO FRANCISCO	Pacific Bell
1985	ANAYA CARLOS	Pacific Bell
	CARRILLO LUIS	Pacific Bell
	DELGADILLO EDUVIGES	Pacific Bell
	MAGALLON JESUS	Pacific Bell
	NOVOA LUIS	Pacific Bell
1980	ANAYA CARLOS	Pacific Telephone
	CARRILLO LUIS	Pacific Telephone
	DELGADILLO EDUVIGES	Pacific Telephone
	NOVOA LUIS	Pacific Telephone
1975	CARRILLO LUIS	Pacific Telephone
	CHAVEZ RAYMUNDO	Pacific Telephone
	MATSUYAMA ITARU	Pacific Telephone
	NOVOA LUIS	Pacific Telephone
1970	CHAVEZ RAYMOND	Pacific Telephone
	AKIYAMA C	Pacific Telephone
1964	BROWN GEO W	Pacific Telephone
	ALVARADO HENRY JR	Pacific Telephone
1960	BONE KEITH A	Pacific Telephone
1957	BONE KEITH A	Pacific Telephone
1954	BONE KEITH A	R. L. Polk & Co.
1950	NICHOLLS THOS SR R	Pacific Telephone

FINDINGS

25824 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Belle Porte Ave

25840 Belle Porte Ave

Year	Uses	Source
2014	SOUTH COAST AUTO COLLISION	EDR Digital Archive
2010	SOUTH COAST AUTO COLLISION	EDR Digital Archive
	CLEAN-CO SYSTEMS	EDR Digital Archive
	LANDAVAZO BROS INC	EDR Digital Archive

BELLE PORTE AVE

25840 BELLE PORTE AVE

Year	Uses	Source
2001	SOUTHCSTAUTO	Haines & Company, Inc.
1995	D9 SOUTH COAST AUTO BODY & PAINT	Pacific Bell
	Unique Auto Center	Pacific Bell
	Carson Mall Towing	Pacific Bell
1990	PACIFIC AUTO SERVICE CENTER	Pacific Bell
1985	PACIFIC AUTO SERVICE CENTER	Pacific Bell
1960	STRANCO STONE	Pacific Telephone

25841 BELLE PORTE AVE

Year	Uses	Source
2001	WELLSGary	Haines & Company, Inc.
1990	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Bell
	JACK WOOD PLUMBING INC	Pacific Bell
	JACK WOOD PLUMBING & HEATING	Pacific Bell
1986	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Bell
1985	JACK WOOD PLUMBING INC	Pacific Bell
	WOOD JACK PLUMBING INC	Pacific Bell
1981	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Telephone
1980	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	JACK WOOD PLUMBING INC	Pacific Telephone
1976	Jack Wood Plumbing & Heating	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	JACK WOOD PLUMBING INC	Pacific Telephone
1970	JACK WOOD PLUMBING & HEATING	Pacific Telephone
1964	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	WOOD JACK PLUMBLG & HEATING	Pacific Telephone
1960	HARBOR CITY CHAMBER OF COMMERCE	Pacific Telephone
	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	WOOD JACK PLUMBING & HEATING	Pacific Telephone
1957	WOOD JACK PLUMBING & HEATING	Pacific Telephone

Belle Porte Ave

25889 Belle Porte Ave

Year	Uses	Source
2014	GOTHAM LOFTS LLC	EDR Digital Archive
	BENNETT ENTERPRISES A CA	EDR Digital Archive
2010	BENNETT ENTERPRISES A CA	EDR Digital Archive

BELLE PORTE AVE

25889 BELLE PORTE AVE

Year	Uses	Source
1995	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
1990	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
	FERRIN WOODWORKING & SUPPLY CO HARBOR CITY	Pacific Bell
1986	FERRIN WOODWORKING & SUPPLY CO HARBOR CITY	Pacific Bell
1985	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
1980	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1976	Ferrin Woodworking & Supply Co	Pacific Telephone
1975	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1970	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1964	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone

Year	Uses	Source
1960	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone

Belle Porte Ave

25901 Belle Porte Ave

Year	Uses	Source
2014	AMERICAN HERITAGE PERFORMANCE	EDR Digital Archive

BELLE PORTE AVE

25901 BELLE PORTE AVE

Year	Uses	Source
1995	RAFIK ZARGARIAN	Pacific Bell
1986	PACIFIC PROPERTY ASSOCIATES HARBOR CITY	Pacific Bell
1985	TOOMEYS RACING	Pacific Bell
	NAFEL JERRY PROPERTIESREALTOR	Pacific Bell
	TOOMEY STUART	Pacific Bell
1980	NAFEL JERRY PROPERTIES REALTOR	Pacific Telephone

25903 BELLE PORTE AVE

Year	Uses	Source
1995	ATLACAT	Pacific Bell
1990	RINCON DEL MAR INC	Pacific Bell
	DUOSKIN INC	Pacific Bell
1985	GOLDEN STITCH THE	Pacific Bell
	JAMI ENGINEERING	Pacific Bell

25905 BELLE PORTE AVE

Year	Uses	Source
1990	VALENZA SPORTSWEAR	Pacific Bell

25907 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	ALBERICCI PAT GLAZING	Pacific Bell
1980	JACQUI OF CALIF	Pacific Telephone

FINDINGS

25909 BELLE PORTE AVE

Year	Uses	Source
1995	XYTEX COMPANY	Pacific Bell
1990	XYTEX COMPANY	Pacific Bell
1985	XYTEX COMPANY	Pacific Bell

Belle Porte Ave

25911 Belle Porte Ave

Year	Uses	Source
2014	ROPER CONSTRUCTION COMPANY INC	EDR Digital Archive
2010	ACCURITE INC	EDR Digital Archive

BELLE PORTE AVE

25911 BELLE PORTE AVE

Year	Uses	Source
2001	ACCURITE	Haines & Company, Inc.
1995	TOYAMA FRANK K	Pacific Bell
1990	TOYAMA FRANK K	Pacific Bell
1985	TOYAMA FRANK K MACH SHP	Pacific Bell
1950	COMMERCIAL STEEL INC	Pacific Telephone

Belle Porte Ave

25913 Belle Porte Ave

Year	Uses	Source
2010	APPLIED BUSINESS CONCEPTS	EDR Digital Archive

BELLE PORTE AVE

25919 BELLE PORTE AVE

Year	Uses	Source
1995	L A LOOK INC	Pacific Bell
1990	F & S SPORTSWEAR	Pacific Bell
1985	F & S SPORTSWEAR	Pacific Bell
1981	F & S SPORTSWEAR HARBOR CITY	Pacific Telephone
1980	F & S SPORTSWEAR	Pacific Telephone
1976	F & S Sportswear	Pacific Telephone

FINDINGS

Belle Porte Ave

25920 Belle Porte Ave

Year	Uses	Source
2010	MAR INTERNATIONAL TRADING CORP	EDR Digital Archive

BELLE PORTE AVE

25920 BELLE PORTE AVE

Year	Uses	Source
2001	MAR INTERNATL	Haines & Company, Inc.
1990	UNIMASCO INC	Pacific Bell
	UNIMASCO INC HARBOR CITY	Pacific Bell
1986	UNIMASCO INC HARBOR CITY	Pacific Bell
1985	UNIMASCO INC	Pacific Bell
1981	CARRIAGE HOUSE WAREHOUSE HARBOR CITY	Pacific Telephone
1980	CARRIAGE HOUSE WHSE	Pacific Telephone
1976	Kline & Kline Storage & Moving Co Inc	Pacific Telephone
	Allied Van Lines Inc movng Agencies Lomita	Pacific Telephone
1975	KLINE & KLINE STORAGE & MOVING CO INC	Pacific Telephone
	Harbor City	Pacific Telephone
	ALLIED VAN LINES INC MOVNG	Pacific Telephone
1970	ALLIED VAN LINE S INC MOVNG AGENCIES	Pacific Telephone
	KLINE & KLINE STORAGE & MOVING CO	Pacific Telephone
	KLINE & KLINE STORAGE & MOVING CO INC	Pacific Telephone
1964	B & W CHEMICAL CO	Pacific Telephone
	PUREX CORP LTD-INDUSTRIAL DIV	Pacific Telephone
	WASHBURN-PUREX CO	Pacific Telephone
1960	B & W CHEMICAL CO	Pacific Telephone
1957	B & W CHEMICAL CO	Pacific Telephone

Belle Porte Ave

25930 Belle Porte Ave

Year	Uses	Source
2014	CANINE RETREAT	EDR Digital Archive

Year	Uses	Source
2010	AERO PNEUDRAULICS INC	EDR Digital Archive

BELLE PORTE AVE

25930 BELLE PORTE AVE

Year	Uses	Source
2001	EUROPEANHITECH	Haines & Company, Inc.
1995	F M F MOTORCYCLE HIGH PERFORMANCE	Pacific Bell
1990	MICREE CORP	Pacific Bell
1985	MICREE CORP	Pacific Bell
1980	LEGGE N R CONSLTNT	Pacific Telephone
	MICREE CORP	Pacific Telephone

25934 BELLE PORTE AVE

Year	Uses	Source
1970	BINDCO MFG INC	Pacific Telephone

25940 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

25949 BELLE PORTE AVE

Year	Uses	Source
2001	PFCW LOCALL	Haines & Company, Inc.
1995	UFCW LOCAL 770	Pacific Bell
	U F C W UNIONS & FOOD EMPLOYERS JOINT TRUST	Pacific Bell
	U F C W UNIONS & DRUG EMPLOYERS TRUST FUNDS	Pacific Bell
1990	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
1985	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	FONSTEIN HAROLD ATTY	Pacific Bell
	FORSTEIN HAROLD ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Bell

FINDINGS

Year	Uses	Source
1985	MARIAS EUGENE ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	SHAPIRO MARVIN N ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	UFCW UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
1980	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	FORSTEIN HAROLD ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	FONSTEIN HAROLD ATTY	Pacific Telephone
1975	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERKATL ASSN	Pacific Telephone
	MARIAS EUGENE ROSE KLEIN & MARINAS ATTYS	Pacific Telephone
1970	ROSE KLEIN & MARLAS ATTYS	Pacific Telephone
	SO CALIF EMPLOYER-RETAIL CLERKS UNION TRUST FUND	Pacific Telephone
	RETAIL CLERKS UNION & FOOD EMPLOYERS BENEFIT FUND	Pacific Telephone
	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
1964	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERNATL ASSN	Pacific Telephone
1960	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERNATL ASSN	Pacific Telephone
	AUTOMOBILE SALESMEN S UNION LOCAL 1056	Pacific Telephone

FINDINGS

Belle Porte Ave

25950 Belle Porte Ave

Year	Uses	Source
2014	OMNI INSTRMENTATION PNEUMATICS	EDR Digital Archive
2010	OMNI INSTRMENTATION PNEUMATICS	EDR Digital Archive

BELLE PORTE AVE

25950 BELLE PORTE AVE

Year	Uses	Source
1995	4 CUSTOM DESIGN	Pacific Bell
1990	HANASPORT	Pacific Bell
	CUSTOM DESIGN	Pacific Bell
	F M F MOTORCYCLE HIGH PERFORMANCE	Pacific Bell
1976	Browning & Co	Pacific Telephone
1960	HENRY L STANLEY	Pacific Telephone
1957	HENRY L STANLEY	Pacific Telephone
1954	HENRY FLORENE MRS	R. L. Polk & Co.

25952 BELLE PORTE AVE

Year	Uses	Source
1960	GRANDY M L & SON EXCAVTNG	Pacific Telephone
1957	GRANDY M L & SON EXCAVTNG	Pacific Telephone

FRAMPTON AVE

25680 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Frampton Ave

25690 Frampton Ave

Year	Uses	Source
2014	UNITED STATES POSTAL SERVICE	EDR Digital Archive
2010	UNITED STATES POSTAL SERVICE	EDR Digital Archive

FINDINGS

FRAMPTON AVE

25690 FRAMPTON AVE

Year	Uses	Source
1995	UNITED STATES GOVERNMENT	Pacific Bell
1990	UNITED STATES GOVERNMENT	Pacific Bell
1980	NATIONAL ASSN OF LETTER CARRIERS BRANCH 1650	Pacific Telephone
1970	UNITED STATES GOVERNMENT ARMY DEPT	Pacific Telephone
	UNITED STATES GOVERNMENT ARMY DEPT	Pacific Telephone

Frampton Ave

25711 Frampton Ave

Year	Uses	Source
2014	AMERISTAR INTERNATIONAL LLC	EDR Digital Archive
	LA SIEBER CSI	EDR Digital Archive
2010	LA SIEBER CSI	EDR Digital Archive
	CORONA ARTHUR	EDR Digital Archive
	CORONA DEL SOL INC	EDR Digital Archive
	AMERISTAR INTERNATIONAL LLC	EDR Digital Archive

FRAMPTON AVE

25711 FRAMPTON AVE

Year	Uses	Source
2001	APARTMENTS BAYUES	Haines & Company, Inc.
	WILLIAMS Rodney	Haines & Company, Inc.
1995	102 WILKINSON C G	Pacific Bell
	106 CORDES B	Pacific Bell
	108 YAMAGUCHI O	Pacific Bell
	122 KARRATTI ELDON	Pacific Bell
	240 CORONA DEL SOL	Pacific Bell
	252 DE LUCA RAYMOND S	Pacific Bell
1990	CORONA DEL SOL	Pacific Bell
	106 KASARCIK JEFF D	Pacific Bell
	108 MORRIS DAVID	Pacific Bell
	109 ROSS REX R	Pacific Bell
	115 AYUMI NOMA	Pacific Bell

FINDINGS

Year	Uses	Source
1990	117 GUTIERREZ DANIEL J	Pacific Bell
	119 JONES KYLE	Pacific Bell
	120 ZARELE RASOUL	Pacific Bell
	125 CUEVAS RAUL	Pacific Bell
	228 TOKUTAKE YAYOL	Pacific Bell
	230 THOMAS CRYSTAL	Pacific Bell
	234 FULLER CHARLES & ANNA	Pacific Bell
	235 TURNIPSEED STACY	Pacific Bell
	236 LANE CHARLES A	Pacific Bell
	237 TURNER JESSIE	Pacific Bell
	250 MUNOZ JERRY M	Pacific Bell
	252 DE LUCA RAYMOND S	Pacific Bell
	256 GUERRERO GREGORIO & JULIE	Pacific Bell
	260 FORCIER L	Pacific Bell
1985	BOYD L	Pacific Bell
	BRILES STEVE	Pacific Bell
	CLARK ELLEN	Pacific Bell
	CORONA DEL SOL	Pacific Bell
	DRAVES R	Pacific Bell
	ECKARDT MIKE	Pacific Bell
	FINK KARL	Pacific Bell
	GAVELLO DEAN M	Pacific Bell
	HALE F	Pacific Bell
	HARTER JACK L REV	Pacific Bell
	INGENTHRON A T	Pacific Bell
	JOHN KEVIN C	Pacific Bell
	JONES KYLE	Pacific Bell
	LABRY FRANCIS	Pacific Bell
	LISOSKIE LYNNE D	Pacific Bell
	LOWRY E	Pacific Bell
	MANN MARIE F CORONA	Pacific Bell
	MORENO ALBERTO	Pacific Bell
	MUNSIRI TIYANUN	Pacific Bell
	PURVIS JESSE	Pacific Bell
	SHAZAD ARMAN	Pacific Bell
	STACK STEPHEN	Pacific Bell
	SVETINA MICHAEL J	Pacific Bell
	TURNER JOHNNY	Pacific Bell

FINDINGS

Year	Uses	Source
1985	WAGNER RANDY	Pacific Bell
	WATSON DON	Pacific Bell
1980	APODACA ROBT H	Pacific Telephone
	AVALOS MICHAEL	Pacific Telephone
	BALESTRA ALFRED L	Pacific Telephone
	BUNCALAN VEDASTO	Pacific Telephone
	COOPER RANDY	Pacific Telephone
	CORONA DEL SOL	Pacific Telephone
	CROSKREY W A	Pacific Telephone
	FARCI SERGUEI	Pacific Telephone
	GLASS K & K	Pacific Telephone
	JOHNS OWEN C	Pacific Telephone
	JONES KYLE	Pacific Telephone
	KENNEDY RON A	Pacific Telephone
	KOJIMA TOMOSIRO	Pacific Telephone
	LIPARI DAVID	Pacific Telephone
	MANN MARIE F CORONA	Pacific Telephone
	PILFOLD N	Pacific Telephone

25834 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Frampton Ave

25841 Frampton Ave

Year	Uses	Source
2014	A 1 SOUND AUTO REPAIR	EDR Digital Archive
2010	A 1 SOUND AUTO REPAIR	EDR Digital Archive
	MIRANDA MICHAEL	EDR Digital Archive

FRAMPTON AVE

25841 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	RMO BODY SHOP & MECHANIC	Pacific Bell
1990	D J LS AUTO REPAIR A TRANSMISSION	Pacific Bell
1985	LYNN S CUSTOM UPHOLSTERY	Pacific Bell
1975	ELECTRONICA CAL MEXICO INC	Pacific Telephone

FINDINGS

Frampton Ave

25843 Frampton Ave

Year	Uses	Source
2010	HAMMER	EDR Digital Archive

FRAMPTON AVE

25843 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	GLOBAL MACHINE	Pacific Bell
1980	CLASSIC AUTO DETAILERS	Pacific Telephone

25845 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	DAVID KAUFMANN CO	Pacific Bell
1990	S C ENGINEERING	Pacific Bell
1986	XIT GROUNDING SYSTEMS HARBOR CITY	Pacific Bell
1980	KEELING SERVICE CO	Pacific Telephone
1975	KEELING SERVICE CO	Pacific Telephone

25847 FRAMPTON AVE

Year	Uses	Source
1990	US WEST COAST INTERNATIONAL	Pacific Bell
1981	AMERICAN FIREFIGHTING SYSTEMS HARBOR CITY	Pacific Telephone
1980	AMERICAN FIREFIGHTING SYSTEMS	Pacific Telephone
1975	LEWIS & MC AULIFFE SALES CO	Pacific Telephone

25849 FRAMPTON AVE

Year	Uses	Source
1995	GASTON CABINETMAKER	Pacific Bell
1990	GASTON CABINETMAKER	Pacific Bell
1985	COLONIAL SAW	Pacific Bell
	STURM MAX	Pacific Bell

FINDINGS

Frampton Ave

25851 Frampton Ave

Year	Uses	Source
2014	ALL TIME WORK INC	EDR Digital Archive
2010	ALL TIME WORK INC	EDR Digital Archive

FRAMPTON AVE

25851 FRAMPTON AVE

Year	Uses	Source
2001	ALL INTERIOR	Haines & Company, Inc.
1995	ALL INTERIOR REFINISHING	Pacific Bell
1990	ALL INTERIOR REFINISHING	Pacific Bell
1985	JALMAR PRESS	Pacific Bell
	WINCH B L & ASSOCIATES EDUCATIONAL DIVISION	Pacific Bell
1980	AUTOMOBILE CONSULTANTS INTERNATL	Pacific Telephone
1970	NEAL S AUTO WRECKING	Pacific Telephone

Frampton Ave

25853 Frampton Ave

Year	Uses	Source
2014	MOORE OAK CUSTOM CABINETS	EDR Digital Archive
2010	MOORE OAK CUSTOM CABINETS	EDR Digital Archive

FRAMPTON AVE

25853 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	MIKE & MAX BODY & PAINT	Pacific Bell
1980	CONTRACTORS SPA	Pacific Telephone

Frampton Ave

25855 Frampton Ave

Year	Uses	Source
2010	CALIFORNIA PRECISION ENGRG	EDR Digital Archive

FINDINGS

FRAMPTON AVE

25855 FRAMPTON AVE

Year	Uses	Source
1995	CALIFORNIA PRECISION PARTS	Pacific Bell
1990	CALIFORNIA PRECISION PARTS	Pacific Bell
1985	CALIFORNIA PRECISION PARTS	Pacific Bell
1980	CALIFORNIA PRECISION PARTS	Pacific Telephone

Frampton Ave

25927 Frampton Ave

Year	Uses	Source
2014	ENGINE COMPANY	EDR Digital Archive

FRAMPTON AVE

25927 FRAMPTON AVE

Year	Uses	Source
1985	FRAN=MART MFG	Pacific Bell

Frampton Ave

25929 Frampton Ave

Year	Uses	Source
2014	KHAN NAJMA	EDR Digital Archive

FRAMPTON AVE

25929 FRAMPTON AVE

Year	Uses	Source
2001	AERO PNEUORAULICS	Haines & Company, Inc.
1995	JEFFS CABINETS	Pacific Bell
	JEFFS DISCOUNT WINDOW & DOORS	Pacific Bell
	CLASSIC CABINETS	Pacific Bell
1980	F E P PLASTICS	Pacific Telephone

25930 FRAMPTON AVE

Year	Uses	Source
2001	BIGGS AUTO SALVAGE	Haines & Company, Inc.
1995	BIGGS AUTO SALVAGE	Pacific Bell

Year	Uses	Source
1995	BIGGS AUTO SALVAGE	Pacific Bell
1990	BIGGS AUTO SALVAGE	Pacific Bell
	BIGGS AUTO SALVAGE	Pacific Bell
1985	BIGGS AUTO SALVAGE	Pacific Bell
	BIGGS IMPORT AUTO WRECKING	Pacific Bell
	BIGGS AUTO SALVAGE	Pacific Bell
1975	BUD S AUTO SALVAGE	Pacific Telephone
1970	BUD S AUTO SALVAGE	Pacific Telephone

Frampton Ave

25931 Frampton Ave

Year	Uses	Source
2014	SOCAL MOTOR	EDR Digital Archive

FRAMPTON AVE

25931 FRAMPTON AVE

Year	Uses	Source
2001	FARM TEXTILESINC	Haines & Company, Inc.

Frampton Ave

25933 Frampton Ave

Year	Uses	Source
2010	THOMPSON GLASS SPECIALTY CO	EDR Digital Archive

FRAMPTON AVE

25933 FRAMPTON AVE

Year	Uses	Source
2001	THOMPSON GLASS	Haines & Company, Inc.
1990	ANACAPA TRADING CO	Pacific Bell
1985	ANACAPA TRADING CO	Pacific Bell
1980	ANACAPA TRADING CO	Pacific Telephone

25935 FRAMPTON AVE

Year	Uses	Source
2001	CA PACIFIC	Haines & Company, Inc.
1995	CALIFORNIA PACIFIC SANDALS	Pacific Bell
1990	HALLMARK PETROLEUM	Pacific Bell

Year	Uses	Source
1990	CALIFORNIA PACIFIC SANDALS	Pacific Bell
1986	HALLMARK PETROLEUM HARBOR CITY	Pacific Bell
1985	MAXIMAN LIFE SPAN INC	Pacific Bell
	MAXIMAN LIFE SPAN INC	Pacific Bell
	HALLMARK INDUSTRIES INC	Pacific Bell

25937 FRAMPTON AVE

Year	Uses	Source
2001	LTFURNITURE	Haines & Company, Inc.
1985	CALIFORNIA PACIFIC SANDALS	Pacific Bell

Frampton Ave

25939 Frampton Ave

Year	Uses	Source
2014	BIRKENSELD WERNER	EDR Digital Archive
2010	BIRKENSELD WERNER	EDR Digital Archive

FRAMPTON AVE

25939 FRAMPTON AVE

Year	Uses	Source
2001	STAR SERVICES	Haines & Company, Inc.
1985	HANEY NEIL	Pacific Bell
	GAMBLER COMPETITION	Pacific Bell
1980	COASTAL SUPPLY	Pacific Telephone

25941 FRAMPTON AVE

Year	Uses	Source
2001	PPI PACKAGING	Haines & Company, Inc.
1995	SEA LION INTERNATIONAL FORWARDERS	Pacific Bell
1990	SEA LION INTERNATIONAL FORWARDERS	Pacific Bell
1985	CROW BOB & ASSOCIATES CABINET CO	Pacific Bell
1981	CROW BOB & ASSOCIATES CABINET CO HARBOR CITY	Pacific Telephone
1980	CROW BOB & ASSOCIATES CABINET CO	Pacific Telephone

FINDINGS

26003 FRAMPTON AVE

Year	Uses	Source
2001	HINTON Readius	Haines & Company, Inc.

26007 FRAMPTON AVE

Year	Uses	Source
2001	ALUWIHAREKuda B	Haines & Company, Inc.

26009 FRAMPTON AVE

Year	Uses	Source
2001	SHINKyung Yun	Haines & Company, Inc.

PACIFIC COAST HWY

1204 PACIFIC COAST HWY

Year	Uses	Source
2001	PAYDAY EXPRESS 310 S	Haines & Company, Inc.
1995	FOTO EXPRESS LAB	Pacific Bell
1990	FOTO EXPRESS LAB	Pacific Bell
1985	FOTO EXPRESS LAB	Pacific Bell

1206 PACIFIC COAST HWY

Year	Uses	Source
2001	PHILIPOSPIZZALPSTA	Haines & Company, Inc.
1995	10 PHILIPOS PIZZA & PASTA	Pacific Bell
1990	10 GIUSEPPES PIZZA	Pacific Bell
1985	DAMIANOS PIZZA & DELI	Pacific Bell
1980	DAMIANOS PIZZA & DELI	Pacific Telephone
	BEST DONUTS THE	Pacific Telephone

1207 PACIFIC COAST HWY

Year	Uses	Source
1954	ERICKSON HERBERT L	R. L. Polk & Co.

1208 PACIFIC COAST HWY

Year	Uses	Source
2001	FOTOEXPRESSLAB	Haines & Company, Inc.
1985	FRANCES BOUTIQUE	Pacific Bell

1210 PACIFIC COAST HWY

Year	Uses	Source
2001	SSUPERIOR CLEANERS	Haines & Company, Inc.

Year	Uses	Source
1995	SUPERIOR CLEANERS	Pacific Bell
1990	SUPERIOR CLEANERS	Pacific Bell
1985	SUPERIOR CLEANERS	Pacific Bell
1964	HARBOR TRAILER SALES	Pacific Telephone
	HARBOR TRAILER SALES	Pacific Telephone
1954	HILL CREST MOTOR INN	R. L. Polk & Co.

Pacific Coast Hwy

1212 Pacific Coast Hwy

Year	Uses	Source
2014	AGREDANO REYNOSO INSUR SVCS	EDR Digital Archive
2010	AGREDANO REYNOSO INSUR SVCS	EDR Digital Archive

PACIFIC COAST HWY

1212 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	LINGERIE OASIS	Pacific Bell
1990	VIDEO T J	Pacific Bell
1985	CREATIVE TRAVEL	Pacific Bell

Pacific Coast Hwy

1214 Pacific Coast Hwy

Year	Uses	Source
2010	ASTER UNIFORMS	EDR Digital Archive

PACIFIC COAST HWY

1214 PACIFIC COAST HWY

Year	Uses	Source
2001	ROBERTOSSHADES	Haines & Company, Inc.
1990	SUNRISE HAIR & NAIL DESIGN	Pacific Bell
1985	ARTISTIC HAIR & NAIL CENTER	Pacific Bell
1980	J S MAJESTIC BEAUTY SUPPLY	Pacific Telephone

1216 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Year	Uses	Source
1995	PACIFIC MEAT MARKET	Pacific Bell
1990	LA CASA LIQUOR & MKT	Pacific Bell
1985	LA CASA LIQUOR & MARKET	Pacific Bell

Pacific Coast Hwy

1220 Pacific Coast Hwy

Year	Uses	Source
2014	MONARCAS MEXICAN FOOD	EDR Digital Archive
2010	MONARCAS MEXICAN FOOD	EDR Digital Archive

PACIFIC COAST HWY

1220 PACIFIC COAST HWY

Year	Uses	Source
2001	MONARCASMEXICAN	Haines & Company, Inc.
1995	BAJA JOES	Pacific Bell
1985	MOVIE WORLD	Pacific Bell
1980	PCH HOME VIDEO CENTER	Pacific Telephone

Pacific Coast Hwy

1221 Pacific Coast Hwy

Year	Uses	Source
2014	BIO-MDCAL APPLICATIONS CAL INC	EDR Digital Archive
2010	BIO-MDCAL APPLICATIONS CAL INC	EDR Digital Archive

1222 Pacific Coast Hwy

Year	Uses	Source
2014	TIN YUAN CHINESE RESTAURANT	EDR Digital Archive
2010	TIN YUAN CHINESE RESTAURANT	EDR Digital Archive

PACIFIC COAST HWY

1222 PACIFIC COAST HWY

Year	Uses	Source
2001	TINYUANCHNSEREST	Haines & Company, Inc.
1995	TIN YUAN CHINESE RESTAURANT	Pacific Bell
1990	TIN YUAN CHINESE RESTAURANT	Pacific Bell
1985	FOOYUAN CHINESE CUISINE	Pacific Bell
1980	FOOKIEN CUISINE	Pacific Telephone

FINDINGS

Pacific Coast Hwy

1223 Pacific Coast Hwy

Year	Uses	Source
2014	FANN GROUP	EDR Digital Archive
2010	BEIJING ISLAMIC CHINA REST	EDR Digital Archive
	NIAZ RIAZ ULHAQ	EDR Digital Archive
	SONNY HARRIS DBA BEIJINGCHINE	EDR Digital Archive
	LANGHA JAWED AKHTER	EDR Digital Archive
	BIC RESTAURANT	EDR Digital Archive

1224 Pacific Coast Hwy

Year	Uses	Source
2014	JAX DONUTS	EDR Digital Archive
2010	JAX DONUTS	EDR Digital Archive

PACIFIC COAST HWY

1224 PACIFIC COAST HWY

Year	Uses	Source
2001	JAXDONUTSTHE	Haines & Company, Inc.
1995	JAX DONUTS THE	Pacific Bell
1990	JAX DONUTS THE	Pacific Bell
1985	BEST DONUTS	Pacific Bell

Pacific Coast Hwy

1229 Pacific Coast Hwy

Year	Uses	Source
2014	DEL TACO LLC	EDR Digital Archive
2010	DEL TACO LLC	EDR Digital Archive

PACIFIC COAST HWY

1229 PACIFIC COAST HWY

Year	Uses	Source
2001	DELTACO	Haines & Company, Inc.

1231 PACIFIC COAST HWY

Year	Uses	Source
1960	HARBOR TRAILER SALES	Pacific Telephone

FINDINGS

1241 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	FRANK COLETTO FORD INC	Pacific Bell
1990	FRANK COLETTO FORD INC	Pacific Bell
	COLETTO NISSAN BODY SHOP	Pacific Bell
	FRANK COLETTO FORD INC	Pacific Bell
	FRANK COLETTO FORD INC HARBOR CITY	Pacific Bell
	FORD AUTHORIZED SALES & SERVICE HARBOR CITY FRANK COLETTO FORD INC HARBO	Pacific Bell
	COLETTO FORD INC HARBOR CITY	Pacific Bell
1986	COLETTO FORD INC HARBOR CITY	Pacific Bell
	FORD AUTHORIZED SALES & SERVICE	Pacific Bell
	FRANK COLETTO FORD INC HARBOR CITY	Pacific Bell
1985	COLETTO FORD INC	Pacific Bell
	FRANK COLETTA FORD INC	Pacific Bell
	FRANK COLETTO LEASING INC	Pacific Bell
1981	FRANK COLETTE FORD INC HARBOR CITY	Pacific Telephone
1980	COLESCOTT INC	Pacific Telephone
	FRANK COLETTO FORD INC	Pacific Telephone
	FRANK COLETTO LEASING INC	Pacific Telephone
	COLETTO FORD INC	Pacific Telephone
1975	KENDON FIAT	Pacific Telephone
	KENDON SAAB	Pacific Telephone
	KENDON VOLKSWAGEN	Pacific Telephone
1970	KENDON VOLKSWAGEN	Pacific Telephone
1964	KENDON MOTORS	Pacific Telephone
	KENDON MOTORS	Pacific Telephone

Pacific Coast Hwy

1242 Pacific Coast Hwy

Year	Uses	Source
2014	H1 AUTO SMOG	EDR Digital Archive
	H 1 AUTO CENTER TRANSMISS	EDR Digital Archive
	LUBE N GO MAINTENANACE EXPERTS	EDR Digital Archive
2010	H 1 AUTO CENTER TRANSMISS	EDR Digital Archive
	LUBE N GO MAINTENANACE EXPERTS	EDR Digital Archive

Year	Uses	Source
2010	JUNE IL	EDR Digital Archive
	JOHNS TRANSMISSIONS	EDR Digital Archive

PACIFIC COAST HWY

1242 PACIFIC COAST HWY

Year	Uses	Source
2001	HON 6 Kerry	Haines & Company, Inc.
1990	MR CS RENT-A-CAR	Pacific Bell
1985	RYDER TRUCK RENTAL ONE WAY INC RENTAL OFC	Pacific Bell
	MR C S RENT-A-CAR	Pacific Bell
	MR C S LIMOUSINE SERVICE	Pacific Bell
	COLETTO FORD INC	Pacific Bell

1243 PACIFIC COAST HWY

Year	Uses	Source
1981	COLETTO FORD INC HARBOR CITY	Pacific Telephone

1250 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1270 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	ISTRE GENE	Pacific Bell
1980	BARR RUEL G	Pacific Telephone
	OGLE EMILY J	Pacific Telephone
1975	BARR RUEL G	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
1970	BABIN LAWRENCE C MRS	Pacific Telephone
	BARR RUEL G	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE LULA S	Pacific Telephone
	CURNUTT J C	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLITEY W L	Pacific Telephone
1964	BABIN LAWRENCE C MRS	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	BAXTER STELLA E	Pacific Telephone
	BROWN AGNES MRS	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	COTE R W	Pacific Telephone
	FISCHER MARY	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	MULLER LEO	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLILEY W L	Pacific Telephone
	SHANNON BERTHA	Pacific Telephone
1960	BAXTER W D	Pacific Telephone
	BROWN AGNES MRS	Pacific Telephone
	BROWN NELLIE MRS	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	CONNER RICHARD	Pacific Telephone
	COTE R W	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	JELSMA CARL R PHYSOTHI PST	Pacific Telephone
	MCNEER FRANCES E	Pacific Telephone
	MULLER LEO	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLILEY W L	Pacific Telephone
	RALPH EVERETT E	Pacific Telephone
	ROY AUGUSTIN J	Pacific Telephone
	SHANNON BERTHA	Pacific Telephone
	SOMERS FLORENCE P	Pacific Telephone
	TROTTER JEFF	Pacific Telephone
	VAN RHIJN ADRIAN	Pacific Telephone
1957	A-1 TRAILER PARK	Pacific Telephone
	BAXTER W D	Pacific Telephone
	BOWLIN CHHS C	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	CONNER RICHARD	Pacific Telephone
	COOPER TERRAL J	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	JELSMA CARL R PHYSOTHRPST OFC	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	KAYTON LYLE	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	ILM Y W L A	Pacific Telephone
	RALPH EVERETT E	Pacific Telephone
	SMITH HUGH A	Pacific Telephone
	SNYDER JOHN	Pacific Telephone
	THISTLE THOS D	Pacific Telephone
	WIDNER ALBERT SR	Pacific Telephone
1954	BARON PAUL A	R. L. Polk & Co.
	CHURCHILL RUTH	R. L. Polk & Co.
	GRAFT ERNEST W	R. L. Polk & Co.
	OFC	R. L. Polk & Co.
	LILES EDW	R. L. Polk & Co.
	NORRIS CHESTER	R. L. Polk & Co.
	OGIEJ D	R. L. Polk & Co.
	PLILEY W L	R. L. Polk & Co.
	SHIPP L M	R. L. Polk & Co.
	SMITH HUGH A	R. L. Polk & Co.
1950	BARNES C A R	Pacific Telephone
	F ECHR MGA AT E R	Pacific Telephone
	GRAFT ERNEST WR	Pacific Telephone

1290 PACIFIC COAST HWY

Year	Uses	Source
2001	SUNNY SHEEPSKINS	Haines & Company, Inc.
1995	SUNNY SHEEPSKINS	Pacific Bell
1990	SUNNY SHEEPSKINS	Pacific Bell
1985	LEES PRODUCE AND MARKET	Pacific Bell
1980	GOVINDA FINE PRODUCE	Pacific Telephone
1975	CYCLE PARTS & ACCESSORIES	Pacific Telephone
1970	DISCOUNT AUTO PARTS	Pacific Telephone
1964	COLONEL S KENTUCKY FRIED CHICKEN	Pacific Telephone
	KENTUCKY FRIED CHICKEN THE COLONEL S	Pacific Telephone
1954	GREYHOUND BUS LINES BUS DEPOTS	R. L. Polk & Co.
1950	YANKEE DOODLE COLTEE SHOP -	Pacific Telephone

FINDINGS

1300 PACIFIC COAST HWY

Year	Uses	Source
2001	CHUNSoon	Haines & Company, Inc.
1970	LOCAL UNION 1140 CARPENTERS HALL LOCAL	Pacific Telephone
1964	BURKETT EDW G	Pacific Telephone

1302 PACIFIC COAST HWY

Year	Uses	Source
1964	LOCAL UNION 1140 CARPENTERS HALL	Pacific Telephone
	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone
1957	SOUDER PLUMBING & HEATING	Pacific Telephone

1303 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	PALACE AUTO SALES	Pacific Bell
	PALACE AUTO SALES	Pacific Bell
1975	FISHER S	Pacific Telephone
1970	DESERT INN THE	Pacific Telephone
1957	SHAW ROY A RL EST	Pacific Telephone
1954	COX PLUMBING & SUPPLY	R. L. Polk & Co.
1950	COX PLUMBNG & SUPPLY	Pacific Telephone
	COX & WOOD PLUMBNG CONTRS	Pacific Telephone

1305 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	SHAW HELEN BKPR	Pacific Telephone
1960	SHAW HELEN BKKPR	Pacific Telephone
1957	SHAW HOLEN BKKPR	Pacific Telephone
1950	MOORE GEO E GENI CONTR	Pacific Telephone

1306 PACIFIC COAST HWY

Year	Uses	Source
1957	HANDY SEWR WHOLESALE PLUMBING SUPPLIES	Pacific Telephone
1954	A & F SUPPLY	R. L. Polk & Co.

FINDINGS

1307 PACIFIC COAST HWY

Year	Uses	Source
1975	ABBATIELLO TOM G	Pacific Telephone
1970	DISCOUNT GLASS CO	Pacific Telephone
1960	SOUTH BAY PLUMBING & ENGINEERING INC	Pacific Telephone
	SOUDER PLUMBING & HEATING	Pacific Telephone
1957	HARBOR CITY BOATS	Pacific Telephone
1954	SPEEDLUBE SALES CO	R. L. Polk & Co.
	GREASE TUBE SALES CO	R. L. Polk & Co.

1309 PACIFIC COAST HWY

Year	Uses	Source
1970	SUDS BROS ENTERPRISES RACE CAR PREPRTN	Pacific Telephone
1960	ALPER PLASTIC & MFC CO	Pacific Telephone

1311 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	MOLDED FOAM PRODUCTS	Pacific Telephone
1970	ABBATIELLO TOM G	Pacific Telephone
1964	ABBATIELLO TOM G	Pacific Telephone

1313 PACIFIC COAST HWY

Year	Uses	Source
1990	INDEPENDENT DATSUN & TOYOTA REPAIR	Pacific Bell
1985	INDEPENDENT DATSUN & TOYOTA REPAIR	Pacific Bell
1980	KENDON MOTORS JEEP PARTS	Pacific Telephone
	KENDON AMC-JEEP	Pacific Telephone
	KENDON FIST	Pacific Telephone
	KENDON RENAULT	Pacific Telephone
1970	E K ELECTRIC CO WHSE	Pacific Telephone
1964	CUSTOM CABINETS	Pacific Telephone

Pacific Coast Hwy

1315 Pacific Coast Hwy

Year	Uses	Source
2014	PEP BOYS MANNY MOE JACK OF CAL	EDR Digital Archive

Year	Uses	Source
2010	PEP BOYS MANNY MOE JACK OF CAL	EDR Digital Archive

PACIFIC COAST HWY

1315 PACIFIC COAST HWY

Year	Uses	Source
2001	PEPBOYS	Haines & Company, Inc.
1985	CT TRANSMISSION PARTS	Pacific Bell
1970	M & D X-RAY SERVICE CO	Pacific Telephone

1317 PACIFIC COAST HWY

Year	Uses	Source
1970	B & D ENTERPRISES	Pacific Telephone

1321 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	GERON FURNITURE CO	Pacific Telephone
	GERON FURNITURE	Pacific Telephone
1970	GERON FURNITURE CO	Pacific Telephone

1323 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	PFAFF & SOWIN S ENGINE SPECIALISTS	Pacific Telephone
1970	PFAFF & SOWIN S ENGINE SPECIALISTS	Pacific Telephone

1325 PACIFIC COAST HWY

Year	Uses	Source
1980	DELTA AUTOMOTIVE CENTER	Pacific Telephone
1975	DELTA AUTOMOTIVE CENTER	Pacific Telephone
1970	DELTA AUTOMOTIVE CENTER	Pacific Telephone

1327 PACIFIC COAST HWY

Year	Uses	Source
1991	ARESCUEROOTER	Pacific Bell
1985	RESCUE ROOTER	Pacific Bell
	A AABCO DIV OF RESCUE ROOTER	Pacific Bell
	RESCUE ROOTER	Pacific Bell

Year	Uses	Source
1985	RESCUE ROOTER	Pacific Bell
1975	A-1 COAST VACATION LAND	Pacific Telephone
1970	U-HAUL CO DLR	Pacific Telephone
	COAST RENTALS	Pacific Telephone
	COAST EQUIP RENTALS	Pacific Telephone
	A-1 COAST-LOMITA RENTALS	Pacific Telephone
1964	U-HAUL CO DEALER	Pacific Telephone
	COAST EQUIPMENT RENTALS	Pacific Telephone

Pacific Coast Hwy

1330 Pacific Coast Hwy

Year	Uses	Source
2010	ROKSTAR INTERNATIONAL CO INC	EDR Digital Archive

PACIFIC COAST HWY

1330 PACIFIC COAST HWY

Year	Uses	Source
2001	CRAZYCARSTEREO	Haines & Company, Inc.
1995	CRAZY CAR STEREO	Pacific Bell
1990	CRAZY CAR STEREO	Pacific Bell
1985	LOCAL UNION 1140 CARPENTERS HALL	Pacific Bell
	CARPENTERS HALL LOCAL UNION 1140	Pacific Bell
1980	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone
1975	LOCAL UNION 1140 CARPENTERS HALL	Pacific Telephone
	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone

Pacific Coast Hwy

1333 Pacific Coast Hwy

Year	Uses	Source
2010	POPULAR CASH EXPRESS INC	EDR Digital Archive

FINDINGS

PACIFIC COAST HWY

1333 PACIFIC COAST HWY

Year	Uses	Source
2001	POPULARCASH	Haines & Company, Inc.
1995	KENTUCKY FRIED CHICKEN	Pacific Bell
1990	KENTUCKY FRIED CHICKEN	Pacific Bell
1985	KENTUCKY FRIED CHICKEN	Pacific Bell
1980	KENTUCKY FRIED CHICKEN	Pacific Telephone
1975	COLONEL SANDER S KENTUCKY FRIED CHICKEN	Pacific Telephone
1970	COLONEL SANDERS KENTUCKY FRIED CHICKEN	Pacific Telephone

Pacific Coast Hwy

1345 Pacific Coast Hwy

Year	Uses	Source
2014	ROSE MOTEL	EDR Digital Archive
	LAKSH LLC	EDR Digital Archive
2010	ROSE MOTEL	EDR Digital Archive

PACIFIC COAST HWY

1345 PACIFIC COAST HWY

Year	Uses	Source
2001	BHAKTASandeep B	Haines & Company, Inc.
1995	ROSE MOTEL	Pacific Bell
1990	ROSE MOTEL	Pacific Bell
1985	ROSE MOTEL	Pacific Bell

1350 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	HARBOR CITY DISCOUNT AUTO CENTER INC	Pacific Bell

Pacific Coast Hwy

1358 Pacific Coast Hwy

Year	Uses	Source
2014	PACIFIC MOTORSPORTS	EDR Digital Archive

Year	Uses	Source
2010	PACIFIC MOTORSPORTS	EDR Digital Archive
	AQUA SPORTS PERFORMANCE PDTS	EDR Digital Archive

PACIFIC COAST HWY

1358 PACIFIC COAST HWY

Year	Uses	Source
2001	PACYAMAHA	Haines & Company, Inc.
1995	FALCON TOWING	Pacific Bell
1990	TILLACK & CO	Pacific Bell
1986	QUALITY PLUS AUTO BODY SALES & SERVICE HARBOR CITY	Pacific Bell
1985	T Q HOBBIES	Pacific Bell
	QUALITY PLUS AUTO BODY SALES & SERVICE	Pacific Bell
1980	KENDON VOLKSWAGEN	Pacific Telephone
	KENDON MOTORS	Pacific Telephone
1975	KENDON MOTOR HOMES	Pacific Telephone
	KENDON ALFA ROMEO	Pacific Telephone
1970	BEECH DAVE GLASS INC	Pacific Telephone

1360 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	PLAZA DONUT & COFFEE SHOP	Pacific Telephone
1964	BEECH GLASS CO INC	Pacific Telephone

1401 PACIFIC COAST HWY

Year	Uses	Source
2001	CRT INSURANCE SRV	Haines & Company, Inc.
1995	C R T INSURANCE SERVICES	Pacific Bell
1990	C R T INSURANCE SERVICES	Pacific Bell
1985	DAVENPORT CONSTRUCTION CO	Pacific Bell
	AMERICAN RV SATELLITE SYSTEMS	Pacific Bell
1980	DAVENPORT CONSTRUCTION CO	Pacific Telephone
1975	DAVENPORT CONSTRUCTION CO	Pacific Telephone
1970	DAVENPORT CONSTRUCTION CORP	Pacific Telephone
1964	DAVENPORT CONSTRUCTION CORP	Pacific Telephone

FINDINGS

1403 PACIFIC COAST HWY

Year	Uses	Source
2001	TETERYCZCI	Haines & Company, Inc.
1995	TETERYCZ CLAUDID	Pacific Bell
1990	A AMERICAN BUSINESS ADVERTISING	Pacific Bell
1985	BRAZILIAN HANDCRAFTS	Pacific Bell
	BRAZILIAN SOCCER	Pacific Bell
	DEANDRADE ROBERTO	Pacific Bell
1970	FEDEZIGN ENGINEERING SERVICE	Pacific Telephone

1404 PACIFIC COAST HWY

Year	Uses	Source
2001	OLIOUChin	Haines & Company, Inc.
1995	PACIFIC MOTEL	Pacific Bell
1990	PACIFIC MOTEL	Pacific Bell
1985	PACIFIC MOTEL	Pacific Bell

1414 PACIFIC COAST HWY

Year	Uses	Source
2001	A 1 MOTORS	Haines & Company, Inc.
1995	AUTO SHACK	Pacific Bell
	DIRO ALFA ROMEO	Pacific Bell
	EURO TRANS AXLE	Pacific Bell
1990	DIRO ALFA ROMEO	Pacific Bell
1985	DIRO ALFA ROMEO SALES & SERVICE	Pacific Bell
	DIRO PORSCHE SERVICE	Pacific Bell
1980	DIRA ALFA ROMEO SALES & SERVICE	Pacific Telephone

1417 PACIFIC COAST HWY

Year	Uses	Source
2001	ALLEN	Haines & Company, Inc.
1995	HARBOR LIQUOR	Pacific Bell
1990	HARBOR LIQUOR	Pacific Bell
	C BERSON IRA ORIGINALS	Pacific Bell
1985	CALIFORNIA PRODUCTIONS	Pacific Bell
	HARBOR LIQUOR	Pacific Bell
	BERSON IRA ORIGINALS	Pacific Bell
1980	INTERNATL UNION OF OPERATING ENGINEERS WELDERS DIV LOCAL NO 42	Pacific Telephone
	BERSON IRA ORIGINALS	Pacific Telephone

Year	Uses	Source
1980	HARBOR BOTTLE SHOP	Pacific Telephone
1975	HARBOR BOTTLE SHOP	Pacific Telephone
1964	SANCHEZ PETE P	Pacific Telephone
1957	SANCHEZ BEN A	Pacific Telephone
1950	SWAFFAR MAYNARD R	Pacific Telephone

1418 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1424 PACIFIC COAST HWY

Year	Uses	Source
2001	MANHATTANGLASS	Haines & Company, Inc.
1985	TONY S HIDEAWAY	Pacific Bell
1980	EL-LO BEER BAR	Pacific Telephone
1975	EL LO BEER BAR	Pacific Telephone
1964	RACK THE	Pacific Telephone
1960	COOL METAL AWNING & CANVAS CO	Pacific Telephone
	KOOL METAL AWNING & CANVAS CO	Pacific Telephone
1954	JESSE WILLIAMS WALLPAPERS	R. L. Polk & Co.
	WILLIAMS JESSE WALLPAPERS	R. L. Polk & Co.
	WILLIAMS WALLPAPERS	R. L. Polk & Co.

1426 PACIFIC COAST HWY

Year	Uses	Source
2001	BIG DADDYSTATTOO	Haines & Company, Inc.
1990	CAR STEREO CLINIC	Pacific Bell
1985	BERT CONSTRUCTION INC	Pacific Bell
1980	BERT CONSTRUCTION INC	Pacific Telephone
1970	ROLLING HILLS VISTA TOWNHOUSE CO	Pacific Telephone
1964	ASSOCIATED VENDING SALES & INVESTLMEONT	Pacific Telephone

1427 PACIFIC COAST HWY

Year	Uses	Source
2001	CREDIT MOTORS	Haines & Company, Inc.
1995	CREDIT MOTORS	Pacific Bell
	CREDIT MOTORS	Pacific Bell
1990	CREDIT MOTORS	Pacific Bell

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1428 PACIFIC COAST HWY

Year	Uses	Source
2001	ANTIGUE STOVE	Haines & Company, Inc.
1975	LONG BEACH INDEPENDENT-PRESS TELEGRAM DISTRICT OFFICES	Pacific Telephone
1954	CONSHAFTER JOHN N STATE FARM INSURANCE COMPANIES	R. L. Polk & Co.

1430 PACIFIC COAST HWY

Year	Uses	Source
1985	BLACKMAN JEAN	Pacific Bell
1980	BLACKMAN JEAN	Pacific Telephone
1975	BLACKMAN JEAN	Pacific Telephone
1970	BLACKMAN JEAN	Pacific Telephone
1964	BLACKMAN JEAN	Pacific Telephone
1960	BLACKMAN JEAN	Pacific Telephone
1957	BLACKMAN JEAN	Pacific Telephone
1954	BLACKMAN JEAN	R. L. Polk & Co.

1432 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.
1985	HARRYMAN J K	Pacific Bell
1975	GUADAN MARLENE	Pacific Telephone
1970	INGRAM ROBERTA	Pacific Telephone
1957	BONNOT ARTHUR	Pacific Telephone

1433 PACIFIC COAST HWY

Year	Uses	Source
2001	MERCEDESBENZKEYS	Haines & Company, Inc.
1995	SILVER STAR MERCEDES INC	Pacific Bell
1990	SILVER STAR	Pacific Bell
1985	SILVER STAR	Pacific Bell

1280B-6 PACIFIC COAST HWY

Year	Uses	Source
1980	FOAT HARRY G	Pacific Telephone

FINDINGS

Pebble Dr

1254 Pebble Dr

Year	Uses	Source
2014	JOHNS AUTO SUPPLY	EDR Digital Archive
2010	JOHNS AUTO SUPPLY	EDR Digital Archive
	LEGACY ENTERPRISE	EDR Digital Archive

1270 Pebble Dr

Year	Uses	Source
2010	NKH & 2K	EDR Digital Archive
	IN & OUTDOOR INC	EDR Digital Archive

1281 Pebble Dr

Year	Uses	Source
2010	STUDIO 8 DEVELOPMENT CO	EDR Digital Archive

1285 Pebble Dr

Year	Uses	Source
2010	STYLE STOOP	EDR Digital Archive

S NORMANDIE AVE

25856 S NORMANDIE AVE

Year	Uses	Source
1950	PACOIMA COAST MILL & LUMBR CO	Pacific Telephone

25901 S NORMANDIE AVE

Year	Uses	Source
1957	MAYBOW BRICK CO	Pacific Telephone
	MAYBOW BRICK CO	Pacific Telephone
1954	LYNN BRICK CO	R. L. Polk & Co.
	MAYBOW MATERIALS & SUPPLIES INC	R. L. Polk & Co.
1950	LYNN BRICK CO	Pacific Telephone

Sandstone Ln

25919 Sandstone Ln

Year	Uses	Source
2010	SEJONG AMERICA INC	EDR Digital Archive

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1280 Pacific Coast Highway	2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1204 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1214 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1214 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1216 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1220 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1220 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1221 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1222 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1222 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1223 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1224 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1224 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1229 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1229 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1231 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1241 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1243 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1250 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1254 Pebble Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1270 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1270 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1280B-6 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1281 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1285 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1290 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1300 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1302 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1303 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1305 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1306 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1307 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1309 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1311 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1313 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1317 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1321 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1323 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1325 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1327 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1330 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1330 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1333 259TH PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1333 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1333 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1345 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1345 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1350 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1358 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1358 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1360 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1401 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1403 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1404 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1408 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1410 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1412 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1414 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1414 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1416 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1417 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1422 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1424 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1424 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1427 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1428 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1428 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1429 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1430 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1432 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1433 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
25680 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25690 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25690 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25711 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25711 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25731 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25733 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25737 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25824 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25834 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25840 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
25840 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25843 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25843 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25845 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25847 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25849 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25851 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25851 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
25853 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25853 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25855 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25855 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25856 S NORMANDIE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25889 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25889 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 Belle Porte Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 S NORMANDIE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25903 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
25905 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25907 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25909 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25911 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25911 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25913 Belle Porte Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25919 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25919 Sandstone Ln	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25920 Belle Porte Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25920 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25927 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
25927 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25929 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25929 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25931 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25931 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25933 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25933 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25934 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

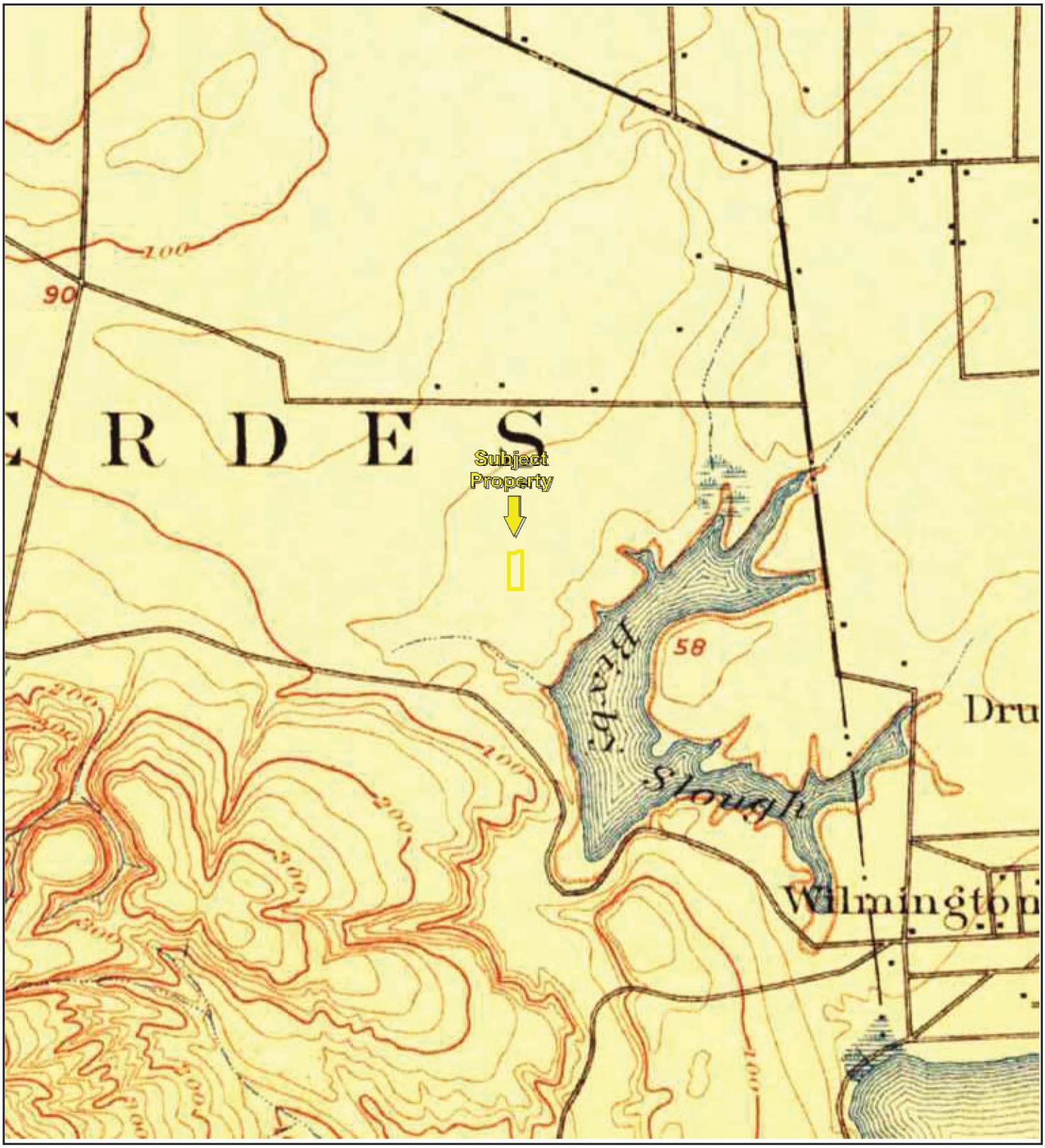
FINDINGS

Address Researched	Address Not Identified in Research Source
25935 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25937 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25939 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25939 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25940 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25941 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25949 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25950 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25950 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25952 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
26003 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
26007 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
26009 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

Topographic Map Year: 1896



TP, Redondo, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

Topographic Map Year: 1925



TP, Wilmington, 1925, 7.5-minute
SW, San Pedro Hills, 1925, 7.5-minute

0 Miles 0.25 0.5 1 1.5

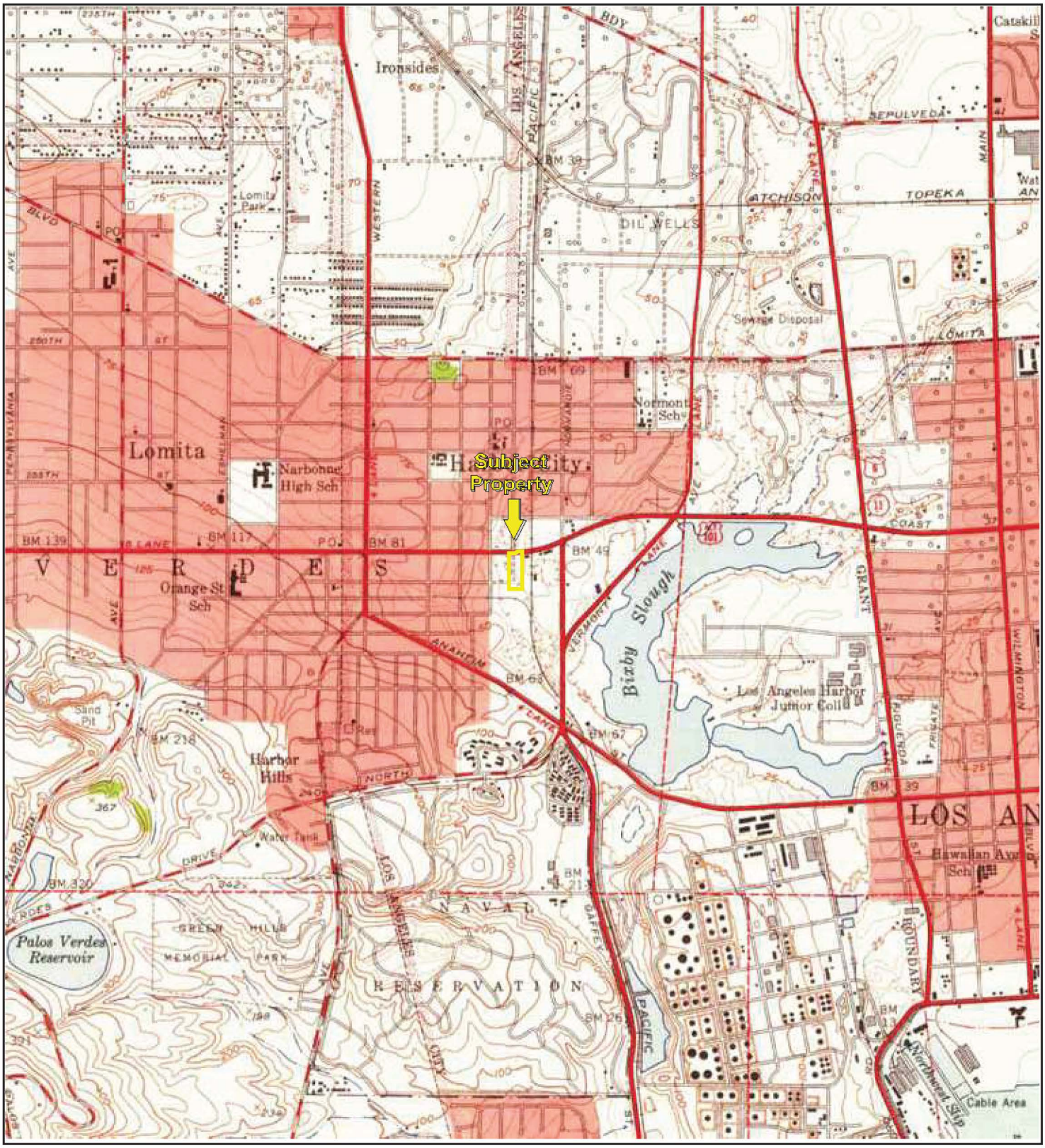
N

Key: Subject Property

APPENDIX B: Topographic Maps
Project No. 18-210321.1

PARTNER

Topographic Map Year: 1951



TP, Torrance, 1951, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

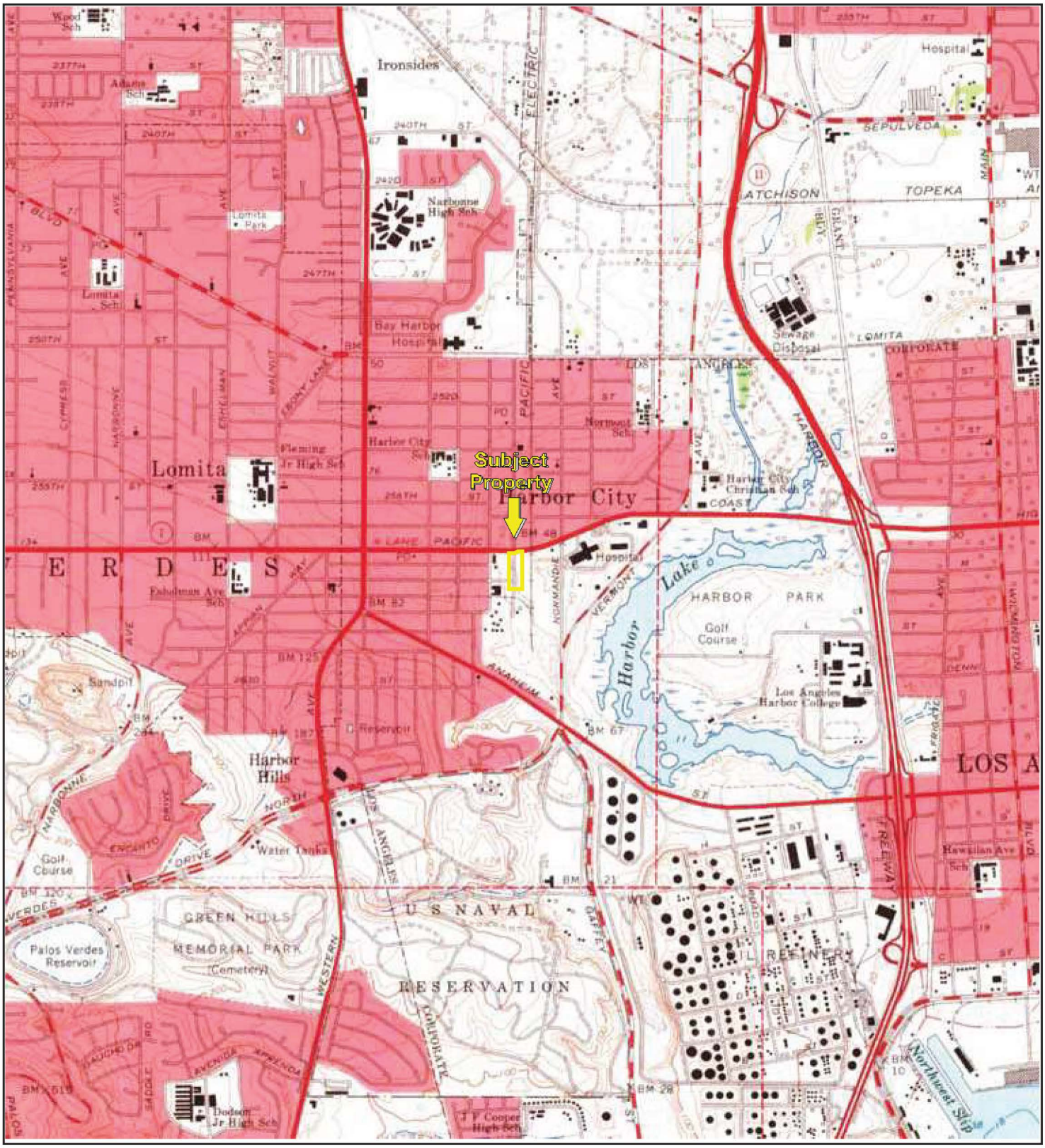
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-210321.1

PARTNER

Topographic Map Year: 1964



TP, Torrance, 1964, 7.5-minute

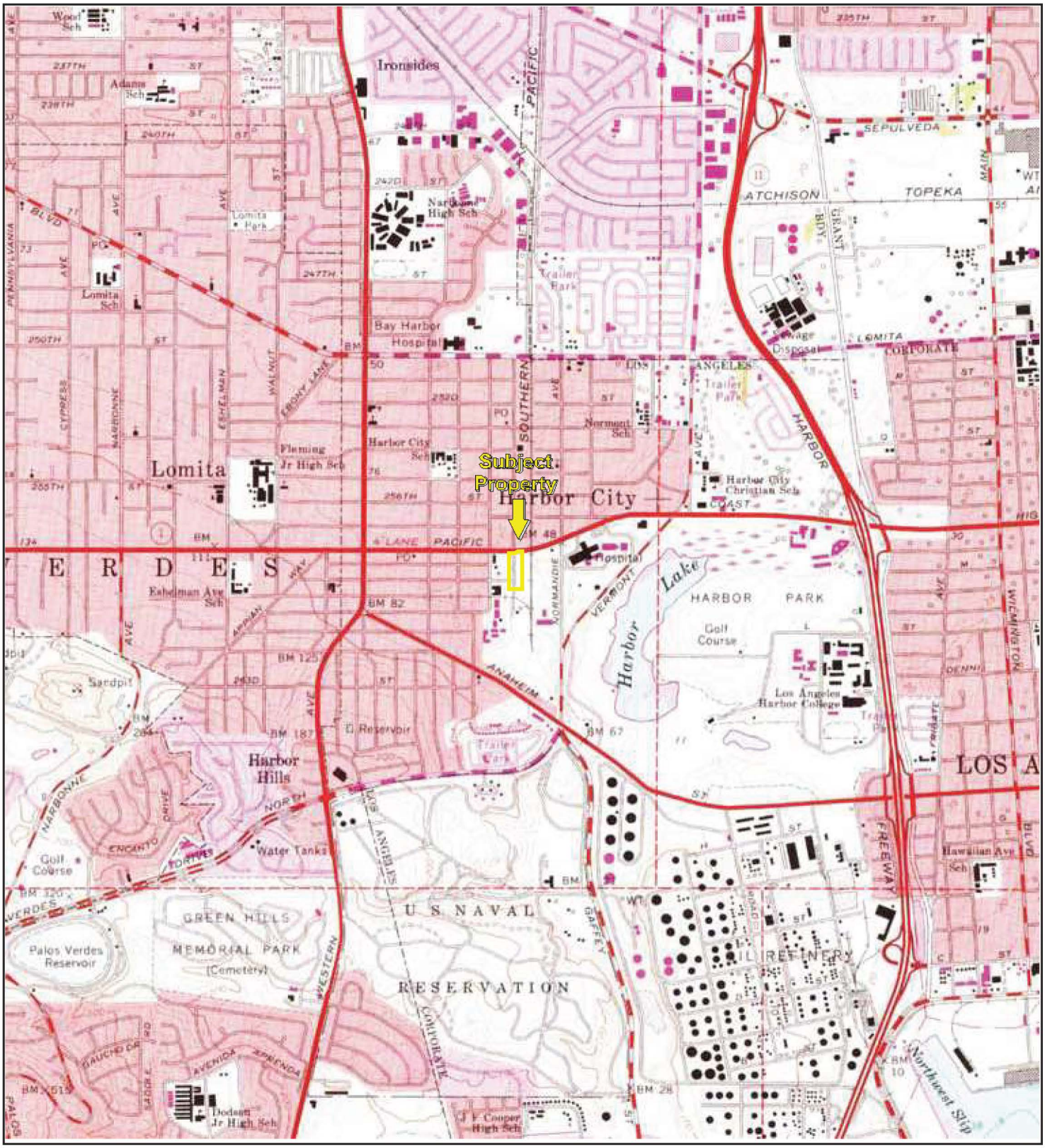
0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

PARTNER

Topographic Map Year: 1972



TP, Torrance, 1972, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

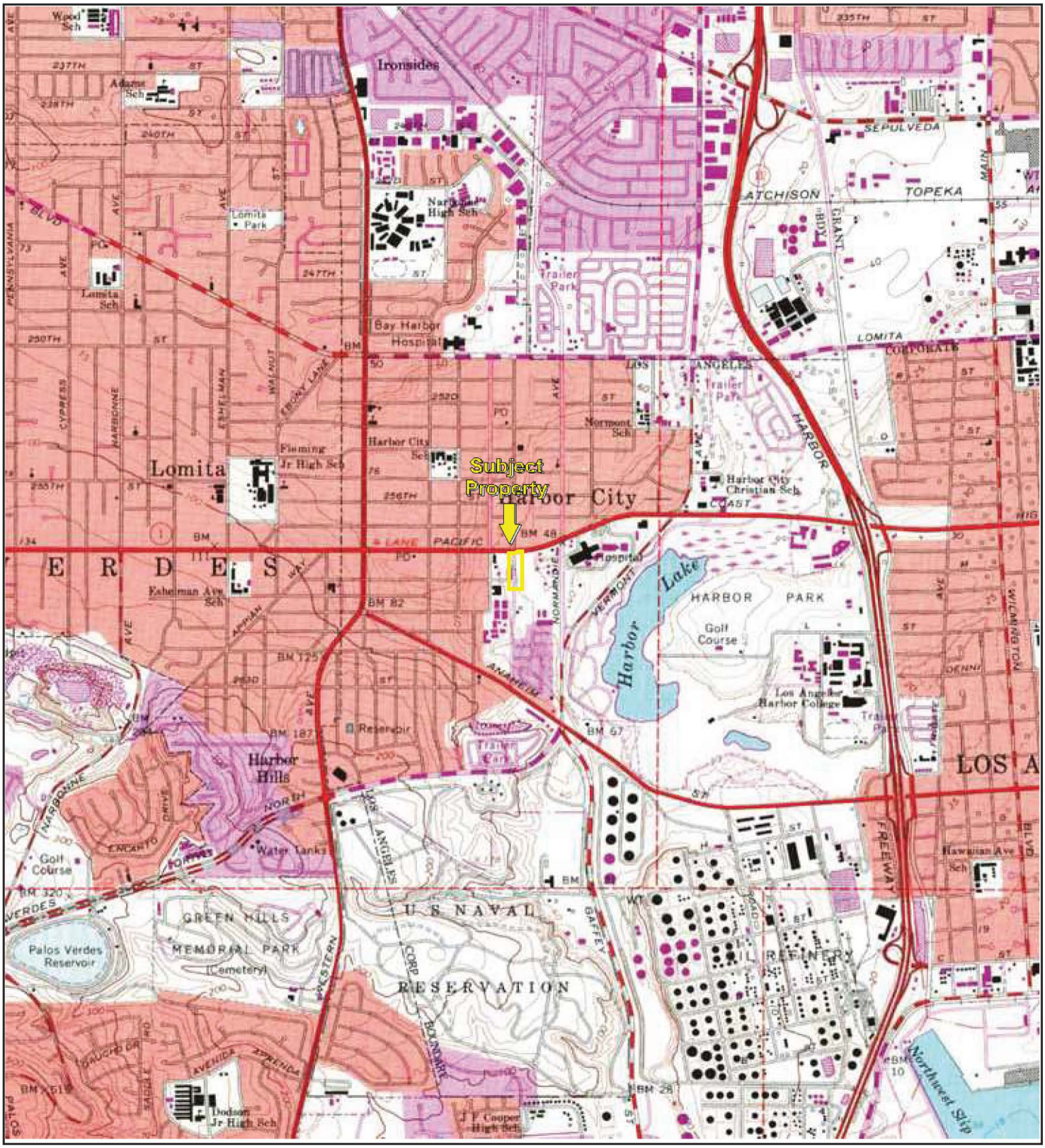
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-210321.1

PARTNER

Topographic Map Year: 1981



TP, Torrance, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-210321.1

PARTNER

Parcel Details

- Property records are kept at the South District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	7411-019-016
Address:	1280 PACIFIC COAST HWY LOS ANGELES CA 90710
Property Type:	Multi-Family Residential
Region / Cluster:	14 / 14403
Tax Rate Area (TRA):	00019

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2017 Roll Values

Recording Date:	01/04/2002
Land:	$533,504
Improvements:	$145,098
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

- 2017 Annual taxes
- Property tax payment FAQs
- Estimate supplemental taxes

Property Boundary Description

*TR=PECK'S SUB OF LOT J AND POR OF LOT H PARTITION OF RO LOS PALOS VERDES*LOT COM AT SW COR OF LOT 10 TH E 220 FT TH



Parcel Details

2017 Roll Values

Recording Date:	01/04/2002
Land:	$533,504
Improvements:	$145,098
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

- 2017 Annual taxes
- Property tax payment FAQs
- Estimate supplemental taxes

Property Boundary Description

*TR=PECK'S SUB OF LOT J AND POR OF LOT H PARTITION OF RO LOS PALOS VERDES*LOT COM AT SW COR OF LOT 10 TH E 220 FT TH N PARALLEL WITH E LINE OF FRANPTON AVE ... SEE MAPBOOK FOR MISSING PORTION ...

LOT 10

Building Description

Building Improvement 1

Square Footage:	0
Year Build / Effective Year Built:	1946 / 1946
Bedrooms / Bathrooms	0 / 0
Units	90

Building Improvement 2

Square Footage:	3,364
Year Build / Effective Year Built:	1947 / 1947
Bedrooms / Bathrooms	2 / 60
Units	60

Building Improvement 3

Square Footage:	869
Year Build / Effective Year Built:	1947 / 1955
Bedrooms / Bathrooms	0 / 1
Units	1



FEMA
(//www.fema.gov/)

FEMA Flood Map Service Center: Search By Address

Navigation

Search

Languages

MSC Home
(//msc.fema.gov/portal/)

MSC Search by Address
(//msc.fema.gov/portal/search)

MSC Search All Products
(//msc.fema.gov/portal/advanceSearch)

MSC Products and Tools
(//msc.fema.gov/portal/resources/productsandtools)

Hazus
(//msc.fema.gov/portal/resources/hazus)

LOMC Batch Files
(//msc.fema.gov/portal/resources/lomc)

Product Availability
(//msc.fema.gov/portal/productAvailability)

MSC Frequently Asked Questions (FAQs)
(//msc.fema.gov/portal/resources/faq)

MSC Email Subscriptions
(//msc.fema.gov/portal/subscriptionHome)

Contact MSC Help
(//msc.fema.gov/portal/resources/contact)

Enter an address, place, or coordinates:

1280 pacific coast highway, ca Search

Whether you are in a high risk zone or not, you may need flood insurance (https://www.fema.gov/national-flood-insurance-program) because most homeowners insurance doesn't cover flood damage. If you live in an area with low or moderate flood risk, you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood Insurance Program's flood insurance policy could cost less than $400 per year. Call your insurance agent today and protect what you've built.

Learn more about steps you can take (https://www.fema.gov/what-mitigation) to reduce the risk flood damage.

Search Results—Products for **LOS ANGELES, CITY OF**

Show ALL Products » (https://msc.fema.gov/portal/availabilitySearch?addcommunity=060137&communityName=LOS

The flood map for the selected area is number **06037C1945F**, effective on **09/26/2008**

DYNAMIC MAP

PRINT MAP/ FIRMette

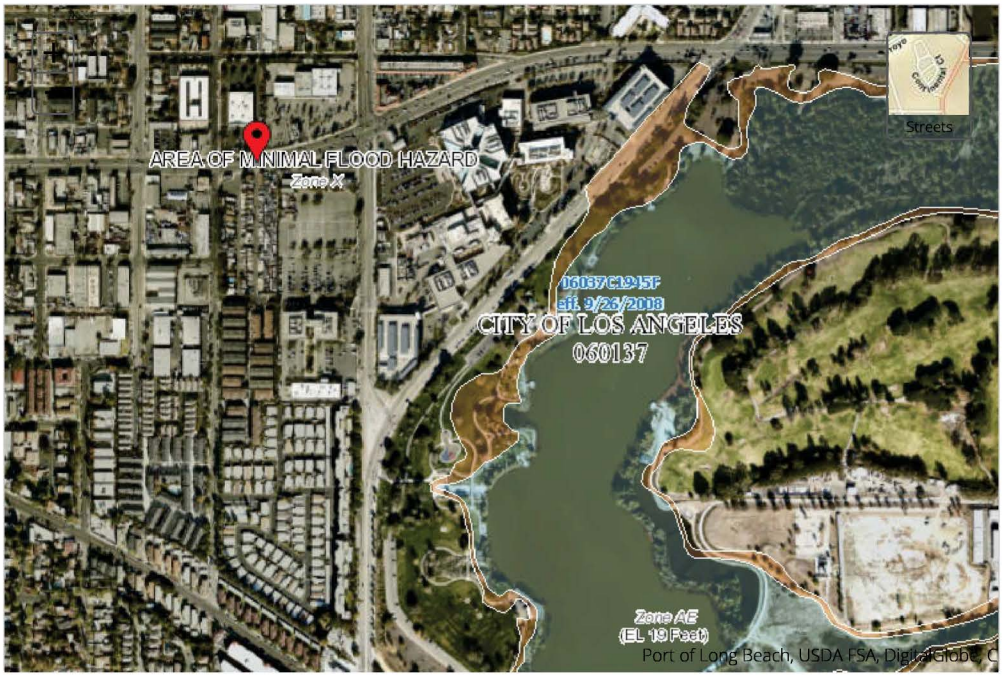
MAP IMAGE

DOWNLOAD FIRM PANEL (https://msc.fema.gov/portal/downloadProduct?filepath=/06/P/Firm/06037C1945F.png&productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL

Changes to this FIRM

Revisions (0)
Amendments (3)
Revalidations (0)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FIRMette. NOTE: Please be sure to enable popups for this site.



615 N. NASH STREET, SUITE 308
EL SEGUNDO, CA 90245
PHONE NO. (800) 794-8094

FIRST AMERICAN TITLE - ESCROW DIVISION (3728)
3858 CARSON STREET #100
TORRANCE, CA 90503

TITLE OFFICER: STEVE POSS/ JULIE SCHAAL

E-MAIL: TITLEUNIT10@PROVIDENTTITLE.COM
ORDER NO.: 10391068

ATTN: JOANN BLACK

YOUR REFERENCE NO: 55990434

PROPERTY ADDRESS: 1280 PACIFIC COAST HIGHWAY, HARBOR CITY, CALIFORNIA

PRELIMINARY REPORT

DATED AS OF APRIL 5, 2018 AT 7:30 A.M. (UPDATE)

PROVIDENT TITLE COMPANY, HEREBY REPORTS THAT IT IS PREPARED TO ISSUE, OR CAUSE TO BE ISSUED AS OF THE DATE HEREOF, A NORTH AMERICAN TITLE INSURANCE COMPANY POLICY OR POLICIES OF TITLE INSURANCE DESCRIBING THE LAND AND THE ESTATE OR INTEREST THEREIN HEREINAFTER SET FORTH, INSURING AGAINST LOSS WHICH MAY BE SUSTAINED BY REASON OF ANY DEFECT, LIEN OR ENCUMBRANCE NOT SHOWN OR REFERRED TO AS AN EXCEPTION IN SCHEDULE B OR NOT EXCLUDED FROM COVERAGE PURSUANT TO THE PRINTED SCHEDULES, CONDITIONS AND STIPULATIONS OF SAID POLICY FORMS.

THE PRINTED EXCEPTIONS AND EXCLUSION FROM THE COVERAGE OF SAID POLICY OR POLICIES ARE SET FORTH IN SCHEDULE B ATTACHED. COPIES OF THE POLICY FORMS SHOULD BE READ. THEY ARE AVAILABLE FROM THE OFFICE WHICH ISSUED THIS REPORT. *PLEASE READ THE EXCEPTIONS SHOWN OR REFERRED TO BELOW AND THE EXCEPTIONS AND EXCLUSIONS SET FORTH IN SCHEDULE B OF THIS REPORT CAREFULLY. THE EXCEPTIONS AND EXCLUSIONS ARE MEANT TO PROVIDE YOU WITH NOTICE OF MATTERS WHICH ARE NOT COVERED UNDER THE TERMS OF THE TITLE INSURANCE POLICY AND SHOULD BE CAREFULLY CONSIDERED.*

IT IS IMPORTANT TO NOTE THAT THIS PRELIMINARY REPORT IS NOT A WRITTEN REPRESENTATION AS TO THE CONDITION OF TITLE AND MAY NOT LIST ALL LIENS, DEFECTS, AND ENCUMBRANCES AFFECTING TITLE TO THE LAND.

THIS REPORT (AND ANY SUPPLEMENTS OR AMENDMENTS HERETO) IS ISSUED SOLELY FOR THE PURPOSE OF FACILITATING THE ISSUANCE OF A POLICY OF TITLE INSURANCE AND NO LIABILITY IS ASSUMED HEREBY. IF IT IS DESIRED THAT LIABILITY BE ASSUMED PRIOR TO THE ISSUANCE OF A POLICY OF TITLE INSURANCE, A BINDER OR COMMITMENT SHOULD BE REQUESTED.

STEVE POSS/ JULIE SCHAAL
TITLE OFFICER

THE FORM OF POLICY OF TITLE INSURANCE CONTEMPLATED BY THIS REPORT IS:

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY (1990)

ISSUED BY PROVIDENT TITLE COMPANY AS AGENT FOR:
NORTH AMERICAN TITLE INSURANCE COMPANY

SCHEDULE A

1. THE ESTATE OR INTEREST IN THE LAND HEREINAFTER DESCRIBED OR REFERRED TO COVERED BY THIS REPORT IS:

   A FEE

2. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:

   1280 PACIFIC COAST HIGHWAY LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

3. THE LAND REFERRED TO HEREIN IS SITUATED IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

THE SOUTH 655 FEET OF THE WEST 244.35 FEET (DISTANCES MEASURED TO STREET CENTERS) OF LOT 10 OF PECKS SUBDIVISION OF LOT "J" AND A PORTION OF LOT "H" OF THE PARTITION OF THE RANCHO LOS PALOS VERDES, IN THE CITY OF LOS ANGELES, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED NO. 141, FILED OCTOBER 30, 1897, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM THAT PORTION THEREOF INCLUDED IN A 50 FOOT ROAD ADJOINING SAID LOT ON THE WEST AND A 40 FOOT ROAD, ADJOINING SAID LOT ON THE SOUTH AS SHOWN ON SAID MAP.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF, IF ANY, INCLUDED WITHIN THE BOUNDARIES OF A PARCEL OF LAND DESCRIBED IN A DEED TO CALIFORNIA PACIFIC RAILWAY COMPANY, RECORDED IN BOOK 1835 PAGE 294 OF DEEDS.

ASSESSOR'S PARCEL NUMBER: 7411-019-016

SCHEDULE B

AT THE DATE HEREOF EXCEPTIONS TO COVERAGE IN ADDITION TO THE PRINTED EXCEPTIONS AND EXCLUSIONS IN THE POLICY FORM DESIGNATED ON THE FACE PAGE OF THIS REPORT WOULD BE AS FOLLOWS:

A. PROPERTY TAXES, INCLUDING ANY ASSESSMENTS COLLECTED WITH TAXES, TO BE LEVIED FOR THE FISCAL YEAR 2018-2019, WHICH ARE A LIEN NOT YET PAYABLE.

B. PROPERTY TAXES, INCLUDING ANY PERSONAL PROPERTY TAXES AND ANY ASSESSMENTS COLLECTED WITH TAXES, FOR THE FISCAL YEAR 2017-2018

1ST INSTALLMENT:	$ 6,286.62 PAID
2ND INSTALLMENT:	$ 6,286.62 PAID
CODE NO.:	00019
TAX PARCEL NO.:	7411-019-016

C. SUPPLEMENTAL ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO THE PROVISIONS OF PART 0.5, CHAPTER 3.5 (COMMENCING WITH SECTION 75) OF THE CALIFORNIA REVENUE AND TAXATION CODE AS A RESULT OF THE TRANSFER OF TITLE TO THE VESTEE NAMED IN SCHEDULE A.

SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO PART 0.5, CHAPTER 3.5 OR PART 2, CHAPTER 3, ARTICLES 3 AND 4, RESPECTIVELY, OF THE CALIFORNIA REVENUE AND TAXATION CODE AS A RESULT OF CHANGES IN OWNERSHIP OR NEW CONSTRUCTION OCCURRING PRIOR TO DATE OF POLICY.

ASSESSMENTS, IF ANY, FOR COMMUNITY FACILITY DISTRICTS AFFECTING SAID LAND WHICH MAY EXIST BY VIRTUE OF ASSESSMENT MAPS OR NOTICES FILED BY SAID DISTRICTS.

NOTE: THE MAP ATTACHED HERETO IS NEITHER A PLAT NOR A SURVEY, IT IS FURNISHED AS A CONVENIENCE TO LOCATE THE LAND INDICATED HEREON WITH REFERENCE TO STREETS AND OTHER LAND. NO LIABILITY IS ASSUMED BY REASON OF RELIANCE HEREIN.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.

2. ANY AND ALL OFFERS OF DEDICATION, CONDITIONS, RESTRICTIONS, EASEMENTS, FENCE LINE/BOUNDARY DISCREPANCIES, NOTES AND/OR PROVISIONS SHOWN OR DISCLOSED BY THE FILED OR RECORDED MAP REFERRED TO IN THE LEGAL DESCRIPTION.

3. AN EASEMENT FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT

PURPOSE:	PIPE LINE
AFFECTS:	A STRIP OF LAND 3 FEET WIDE ALONG THE EAST SIDE
RECORDED:	IN **BOOK 2705, PAGE 379,** OFFICIAL RECORDS

4. AN EASEMENT FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT

PURPOSE:	STREET PURPOSES
AFFECTS:	AS DESCRIBED THEREIN
RECORDED:	IN **BOOK 15782, PAGE 363,** OFFICIAL RECORDS

5. AN EASEMENT FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT

PURPOSE:	ELECTRIC DISTRIBUTION EQUIPMENT AND FACILITIES
AFFECTS:	AS DESCRIBED THEREIN
RECORDED:	**OCTOBER 24, 1980, AS INSTRUMENT NO. 80-1065106,** OFFICIAL RECORDS

6. THE PROVISIONS OF AN INSTRUMENT EXECUTED BY AND BETWEEN THE PARTIES NAMED THEREIN, UPON THE TERMS, PROVISIONS AND CONDITIONS THEREIN PROVIDED.

ENTITLED:	"NOTICE OF TEMPORARY VACANT AND SECURED RENTAL UNITS"
RECORDED:	**FEBRUARY 1, 2016, AS INSTRUMENT NO. 16-114968,** OFFICIAL RECORDS

REFERENCE IS MADE TO SAID DOCUMENT FOR FULL PARTICULARS.

7. MATTERS WHICH MAY BE DISCLOSED BY AN INSPECTION OR BY A SURVEY OF SAID LAND THAT IS SATISFACTORY TO THIS COMPANY, OR BY INQUIRY OF THE PARTIES IN POSSESSION THEREOF.

8. **OUR EXAMINATION OF RECORD TITLE TO THE HEREIN DESCRIBED LAND DOES NOT DISCLOSE ANY EXISTING LOANS. WE THEREFORE REQUEST A COPY OF THE OWNERS DISCLOSURE STATEMENT WITH REFERENCE TO EXISTING ENCUMBRANCES TO RECONFIRM OUR FINDINGS.**

9. THE REQUIREMENT THAT THIS COMPANY BE PROVIDED THE FOLLOWING FOR THE BELOW NAMED LIMITED LIABILITY COMPANY BEFORE ISSUING ANY POLICY OF TITLE INSURANCE,

(1) A COPY OF ITS OPERATING AGREEMENT AND ANY AMENDMENTS THERETO MUST BE SUBMITTED TO THE COMPANY FOR REVIEW.

(2) A CERTIFIED COPY OF ITS ARTICLES OF ORGANIZATION (LLC-1), ANY CERTIFICATE OF CORRECTION (LLC-11), CERTIFICATE OF AMENDMENT (LLC-2), OR RESTATEMENT OF ARTICLES OF ORGANIZATION (LLC-10) MUST BE SUBMITTED TO COMPANY FOR REVIEW.

(3) WITH RESPECT TO ANY DEED, DEED OF TRUST, LEASE SUBORDINATION AGREEMENT OR OTHER DOCUMENT OR INSTRUMENT EXECUTED BY SUCH LIMITED LIABILITY COMPANY AND PRESENTED TO THE COMPANY FOR RECORDING OR UPON WHICH THE COMPANY IS ASKED TO RELY, SUCH DOCUMENT OR INSTRUMENT MUST BE EXECUTED IN ACCORDANCE WITH THE FOLLOWING:

A. IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH OFFICERS APPOINTED OR ELECTED PURSUANT TO THE TERMS OF THE WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT OR INSTRUMENT MUST BE EXECUTED BY AT LEAST TWO DULY ELECTED OR APPOINTED OFFICERS AS FOLLOWS: THE CHAIRMAN OF THE BOARD, THE PRESIDENT, VICE PRESIDENT, AND ANY SECRETARY, ASSISTANT SECRETARY, THE CHIEF FINANCIAL OFFICER OR ANY ASSISTANT TREASURER.

B. IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES THROUGH A MANAGER OR MANAGERS IDENTIFIED IN THE ARTICLES OF ORGANIZATION AND/OR DULY ELECTED PURSUANT TO THE TERMS OF A WRITTEN OPERATING AGREEMENT, SUCH DOCUMENT OR INSTRUMENT MUST BE EXECUTED BY AT LEAST TWO SUCH MANAGERS OR BY ONE MANAGER IF THE LIMITED LIABILITY COMPANY PROPERLY OPERATES WITH THE EXISTENCE OF ONLY ONE MANAGER.

(4) OTHER REQUIREMENTS WHICH THE COMPANY MAY IMPOSE FOLLOWING ITS REVIEW OF THE MATERIAL REQUIRED HEREIN AND OTHER INFORMATION WHICH THE COMPANY MAY REQUIRE.
NAME OF LLC: 1280 PACIFIC COAST HIGHWAY LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

10. ANY RIGHTS OF THE PARTIES IN POSSESSION OF SAID LAND, BASED ON AN UNRECORDED AGREEMENT, CONTRACT OR LEASE, AS DISCLOSED BY INSPECTION AND INVESTIGATION.

    THIS COMPANY WILL REQUIRE THAT A FULL COPY OF ANY UNRECORDED AGREEMENT, CONTRACT OR LEASE BE SUBMITTED TO US, TOGETHER WITH ALL SUPPLEMENTS, ASSIGNMENTS AND AMENDMENTS, BEFORE ISSUING ANY POLICY OF TITLE INSURANCE.

END OF SCHEDULE B

NOTES AND REQUIREMENTS

SPECIAL NOTE: CALIFORNIA REVENUE AND TAXATION CODE SECTION 18662, EFFECTIVE JANUARY 1, 1994 AND BY AMENDMENT EFFECTIVE JANUARY 1, 2003, PROVIDES THAT THE SELLER IN ALL SALES OF CALIFORNIA REAL ESTATE MAY BE REQUIRED TO WITHHOLD 3 AND 1/3RD% OF THE TOTAL SALES PRICE A CALIFORNIA STATE INCOME TAX, SUBJECT TO THE VARIOUS PROVISIONS OF THE LAW AS THEREIN CONTAINED.

SPECIAL NOTE: UNLESS OTHERWISE DIRECTED IN WRITING, PROVIDENT TITLE COMPANY AUTOMATICALLY ISSUES **THE ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (2-03-10)** ON ALL QUALIFIED RESIDENTIAL PROPERTY SALE TRANSACTIONS.

SPECIAL NOTE: THE ALTA HOMEOWNER'S POLICY OF TITLE INSURANCE (1-1-08) CONTAINS EXCEPTIONS AS TO OFF RECORD MATTERS IN ADDITION TO SPECIFIC DEDUCTIBLE AMOUNTS AND SPECIFIC LIABILITY MAXIMUMS FOR COVERED RISKS OF SAID POLICY THAT HAVE BEEN FILED AND APPROVED BY THE VARIOUS DEPARTMENTS OF INSURANCE WHERE THE FORMS HAVE BEEN FILED. PLEASE CONSULT WITH YOUR ESCROW OR TITLE OFFICER IF YOU HAVE QUESTIONS REGARDING THE POLICY.

GOOD FUNDS NOTE:
CALIFORNIA INSURANCE CODE SECTION 12413.1 REGULATES THE DISBURSEMENT OF ESCROW AND SUB-ESCROW FUNDS BY TITLE COMPANIES. THE LAW REQUIRES THAT FUNDS BE DEPOSITED IN THE TITLE COMPANY ESCROW ACCOUNT AND AVAILABLE FOR WITHDRAWAL PRIOR TO DISBURSEMENT. FUNDS DEPOSITED WITH THE COMPANY BY WIRE TRANSFER MAY BE DISBURSED UPON RECEIPT. FUNDS DEPOSITED WITH THE COMPANY VIA CASHIER'S OR TELLER'S CHECK DRAWN ON A CALIFORNIA BASED BANK MAY BE DISBURSED THE NEXT BUSINESS DAY AFTER THE DAY OF DEPOSIT. IF FUNDS ARE DEPOSITED WITH THE COMPANY BY OTHER METHODS, RECORDING AND/OR DISBURSEMENT AY BE DELAYED. ALL ESCROW AND SUB-ESCROW FUNDS RECEIVED BY THE COMPANY WILL BE DEPOSITED WITH OTHER ESCROW FUNDS IN ONE OR MORE NON-INTEREST BEARING ESCROW ACCOUNTS OF THE COMPANY IN A FINANCIAL INSTITUTION SELECTED BY THE COMPANY. THE COMPANY MAY RECEIVE CERTAIN DIRECT OR INDIRECT BENEFITS FROM THE FINANCIAL INSTITUTION BY REASON OF THE DEPOSIT OF SUCH FUNDS OR THE MAINTENANCE OF SUCH ACCOUNTS WITH SUCH FINANCIAL INSTITUTION, AND THE COMPANY SHALL HAVE NO OBLIGATION TO ACCOUNT TO THE DEPOSITION PARTY IN ANY MANNER FOR THE VALUE OF, OR TO PAY SUCH PARTY, ANY BENEFIT RECEIVED BY THE COMPANY. THOSE BENEFITS MAY INCLUDE, WITHOUT LIMITATION, CREDITS ALLOWED BY SUCH FINANCIAL INSTITUTION ON LOANS AND EARNINGS ON INVESTMENTS MADE WITH THE PROCEEDS OF SUCH LOANS, ACCOUNTING, REPORTING AND OTHER SERVICES AND PRODUCTS OF SUCH FINANCIAL INSTITUTION. SUCH BENEFITS SHALL BE DEEMED ADDITIONAL COMPENSATION OF THE COMPANY FOR ITS SERVICES IN CONNECTION WITH THE ESCROW OR SUB-ESCROW.

Note No. 1: YOUR ORDER FOR TITLE WORK CALLS FOR A SEARCH OF PROPERTY THAT IS IDENTIFIED BY A STREET ADDRESS ONLY OR BY SUCH OTHER UNCONFIRMED DATA. BASED ON OUR RECORDS, WE BELIEVE THAT THE LAND DESCRIPTION AND ITS OWNERSHIP IN THIS REPORT REPRESENTS THE PARCEL THAT YOU REQUESTED.

Note No. 2: IN ORDER TO PREVENT COSTLY ERRORS AND TO BE CERTAIN THAT THE CORRECT PARCEL OF LAND IS BEING CONSIDERED, WE REQUIRE THAT WRITTEN APPROVAL OF THE LEGAL DESCRIPTION AND THE VESTING IN THIS REPORT BE SENT TO US. IF WE DO NOT RECEIVE SUCH CONFIRMATION BEFORE CLOSE OF ESCROW, WE WILL CONSIDER THIS DEEMED APPROVAL OF THE DESCRIPTION AND OWNERSHIP OF SAID LAND AS SHOWN IN OUR REPORT.

Note No. 3: WE WILL REQUIRE A STATEMENT OF INFORMATION FROM THE PARTIES NAMED BELOW IN ORDER TO COMPLETE THIS REPORT, BASED ON THE EFFECT OF DOCUMENTS, PROCEEDINGS, LIENS, DECREES, OR OTHER MATTERS WHICH DO NOT SPECIFICALLY DESCRIBE SAID LAND, BUT WHICH, IF ANY DO EXIST, MAY AFFECT THE TITLE OR IMPOSE LIENS OR ENCUMBRANCES THEREON.

PARTIES: ALL PARTIES

PROVIDENT TITLE COMPANY
615 N. NASH STREET, SUITE 308
EL SEGUNDO, CA 90245
PHONE NO. (800) 794-8094

INCOMING WIRE INSTRUCTIONS

Mechanics Bank

100 N. Crescent Dr., Suite 125
Beverly Hills, CA 90210

Routing Number	122244854
Account Name	Provident Title Company
Account Number	3102003667
Reference Number	10391068-PS

EXHIBIT “A”

THE SOUTH 655 FEET OF THE WEST 244.35 FEET (DISTANCES MEASURED TO STREET CENTERS) OF LOT 10 OF PECKS SUBDIVISION OF LOT "J" AND A PORTION OF LOT "H" OF THE PARTITION OF THE RANCHO LOS PALOS VERDES, IN THE CITY OF LOS ANGELES, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED NO. 141, FILED OCTOBER 30, 1897, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPTING THEREFROM THAT PORTION THEREOF INCLUDED IN A 50 FOOT ROAD ADJOINING SAID LOT ON THE WEST AND A 40 FOOT ROAD, ADJOINING SAID LOT ON THE SOUTH AS SHOWN ON SAID MAP.

ALSO EXCEPTING THEREFROM THAT PORTION THEREOF, IF ANY, INCLUDED WITHIN THE BOUNDARIES OF A PARCEL OF LAND DESCRIBED IN A DEED TO CALIFORNIA PACIFIC RAILWAY COMPANY, RECORDED IN BOOK 1835 PAGE 294 OF DEEDS.

ASSESSOR’S PARCEL NUMBER: 7411-019-016

THIS IS NEITHER A PLAT NOR A SURVEY. IT IS FURNISHED AS A CONVENIENCE TO LOCATE THE LAND INDICATED HEREON WITH REFERENCE TO STREETS AND OTHER LAND. NO LIABILITY IS ASSUMED BY REASON OF RELIANCE HEREIN

Non-Order Search
Doc: CALOSA:MAS7411-0019

Requested By: robertramuta, Printed: 10/17/2017 2:40 PM

Page 1 of 1

28 of 28

7411 | 19

SCALE 1" = 100'

1992



PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO LOS PALOS VERDES R.F. 141

PARCEL MAP _ _ _ P.M. 6 – 28

FOR PREV. ASSM'T SEE 7411-40

ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.

PROVIDENT TITLE COMPANY

Privacy Policy Notice

PURPOSE OF THIS NOTICE

Title V of the Gramm-Leach-Bliley Act (GLBA) generally prohibits any financial institution, directly or through its affiliates, from sharing nonpublic personal information about you with a nonaffiliated third party unless the institution provides you with a notice of its privacy policies and practices, such as the type of information that it collects about you and the categories of persons or entities to whom it may be disclosed. In compliance with the GLBA, we are providing you with this document, which notifies you of the privacy policies and practices of **Provident Title Company.**

We may collect nonpublic personal information about you from the following sources:

- Information we receive from you, such as on applications or other forms.
- Information about your transactions we secure from our files, or from our affiliates or others.
- Information we receive from a consumer reporting agency.
- Information that we receive from others involved in your transaction, such as the real estate agent or lender.

Unless it is specifically stated otherwise in an amended Privacy Policy Notice, no additional nonpublic personal information will be collected about you.

We may disclose any of the above information that we collect about our customers or former customers to our affiliates or to nonaffiliated third parties as permitted by law.

We also may disclose this information about our customers or former customers to the following types of nonaffiliated companies that perform marketing services on our behalf or with whom we have joint marketing agreements:

- Financial service providers such as companies engaged in banking, consumer finance, securities and insurance.
- Non-financial companies such as envelope stuffers and other fulfillment service providers.

WE DO NOT DISCLOSE ANY NONPUBLIC PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE THAT IS NOT SPECIFICALLY PERMITTED BY LAW.

We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

CONDITIONS AND STIPULATIONS

CALIFORNIA LAND TITLE ASSOCIATION STANDARD COVERAGE POLICY – 1990

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.

   (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

3. Defects, liens, encumbrances, adverse claims or other matters:
   (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
   (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;
   (c) resulting in no loss or damage to the insured claimant;
   (d) attaching or created subsequent to Date of Policy; or
   (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
   Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession thereof.
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

1280 Pacific Coast Highway
1280 Pacific Coast Highway
Harbor City, CA 90710

Inquiry Number: 5309178.2s
May 23, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1280 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

COORDINATES

Latitude (North):	33.7885470 - 33˚ 47' 18.76''
Longitude (West):	118.2994870 - 118˚ 17' 58.15''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	379692.0
UTM Y (Meters):	3739276.0
Elevation:	44 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633779 TORRANCE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1280 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	MIKES & MAXS	25853 FRAMPTON	RCRA-SQG, FINDS, ECHO	Lower	42, 0.008, West
A2	HARBOR CITY HIGH PER	1313 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO	Higher	69, 0.013, NNE
A3	INDEPENDENT DATSUN A	1313 W PACIFIC COAST	HIST UST	Higher	69, 0.013, NNE
A4	INDEPENDENT DATSUN &	1313 W PCH	RCRA-SQG, HIST UST, FINDS, ECHO, HAZNET	Higher	69, 0.013, NNE
A5	TILLACK & CO LTD	1325 PCH	RCRA-SQG, FINDS, ECHO	Lower	82, 0.016, NNW
B6	DISTRIBUTING STATION	25923 FRAMPTON AVE	AST	Lower	118, 0.022, SSW
B7	F M F RACING INC	25927 FRAMPTON AVE	RCRA NonGen / NLR, FINDS, ECHO, HAZNET	Lower	123, 0.023, SSW
A8	FRANK COLETTO FORD I	1241 W PACIFIC COAST	SWEEPS UST, EMI	Higher	144, 0.027, NNE
A9	FRANK COLETTO FORD I	1241 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	144, 0.027, NNE
A10	JOHNS TRANSMISSIONS	1242 PACIFIC COAST H	EDR Hist Auto	Higher	178, 0.034, NE
A11	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	247, 0.047, NE
A12	SUPERIOR CLEANERS	1210 PACIFIC COAST H	EDR Hist Cleaner	Higher	247, 0.047, NE
A13	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	247, 0.047, NE
A14	J & L CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	247, 0.047, NE
A15	SUPERIEOR CLEANERS	1210 PACIFIC COAST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	247, 0.047, NE
A16	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	247, 0.047, NE
17	101 DISPOSAL COMPANY	25875 SOUTH NORMANDI	WMUDS/SWAT, LDS	Lower	252, 0.048, East
C18	PACIFIC YAMAHA	1358 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	307, 0.058, NW
A19	PEP BOYS #0851	1315 PACIFIC COAST	RCRA-CESQG	Higher	330, 0.062, North
B20	MICREE CORP	25930 BELLE PORTE AV	RCRA-SQG, FINDS, ECHO	Higher	333, 0.063, SSW
D21	PUREX CORP B&W CHEM	25920 BELLE PORTE AV	SEMS-ARCHIVE	Higher	339, 0.064, WSW
D22	UNIMASCO INC	25920 BELLE PORTE AV	ENVIROSTOR, SWEEPS UST, HIST UST, EMI	Higher	339, 0.064, WSW
D23	PACIFIC AUTO CTR	25840 BELLEPORTE	RCRA-SQG, FINDS, ECHO	Higher	355, 0.067, West
E24	JACK WOOD PLUMBING I	25841 BELLE PORTE AV	SWEEPS UST	Higher	467, 0.088, West
F25	WOOD JAMES C TEXACO	1205 W PACIFIC COAST	EDR Hist Auto	Higher	474, 0.090, NE
G26	KAISER HOSPITAL	25875 S NORMANDIE AV	SWEEPS UST, LA Co. Site Mitigation	Higher	484, 0.092, ESE
F27	FRANK COLETTO FORD I	1205 W PACIFIC COAST	SWEEPS UST	Higher	501, 0.095, NE
F28	RITE AID #6413	1207 PACIFIC COAST H	RCRA-CESQG, HAZNET	Higher	501, 0.095, NE
G29	101 DISPOSAL COMPANY	25965 S NORMANDIE AV	SWF/LF	Higher	509, 0.096, SE
C30	TRIWEST DISTRIBUTORS	1401 PACIFIC COAST H	UST	Higher	522, 0.099, NW
C31	GARY ANDERSON	1401 W PACIFIC COAST	SWEEPS UST	Higher	522, 0.099, NW
D32	BACK DOOR PRODUCTION	1416 W 259TH STREET	RCRA-SQG, FINDS, ECHO	Higher	528, 0.100, WSW
D33	SPACEONICS INDUSTRIE	1429 W 259TH ST	RCRA-SQG, FINDS, ECHO	Higher	586, 0.111, West
E34	DIRO KG INC	1414 PACIFIC COAST H	SWEEPS UST	Higher	593, 0.112, WNW
E35	DIRO ALFA ROMEO	1414 W PACIFIC COAST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	593, 0.112, WNW
F36	KIMS UNION	1150 PACIFIC COAST H	EDR Hist Auto	Higher	636, 0.120, ENE
F37	CIRCLE K STORES INC.	1150 PACIFIC COAST H	UST	Higher	636, 0.120, ENE
F38	SERVICE STATION 2446	1150 PACIFIC COAST H	HIST UST	Higher	636, 0.120, ENE
F39	CIRCLE K STORE #5619	1150 W PACIFIC COAST	UST	Higher	636, 0.120, ENE

MAPPED SITES SUMMARY

Target Property Address:
1280 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	K KIM'S UNION STATIO	1150 W PACIFIC COAST	SWEEPS UST	Higher	636, 0.120, ENE
F41	76 PRODUCTS STATION	1150 PACIFIC COAST H	LUST, HIST CORTESE	Higher	636, 0.120, ENE
F42	UNION OIL SERVICE ST	1150 WEST PACIFIC CO	HIST UST	Higher	636, 0.120, ENE
F43	UNOCAL SERVICE STATI	1150 W PACIFIC COAST	HIST UST, HAZNET	Higher	636, 0.120, ENE
44	BAY MARINE	1400 W 260TH ST	SWEEPS UST, CA FID UST	Higher	723, 0.137, SW
45	SILVER STAR MERCEDES	1433 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO	Higher	794, 0.150, WNW
H46	CITY INDUSTRIAL TOOL	25524 FRAMPTON	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	828, 0.157, North
I47	MR DRYCLEAN	1111 W PACIFIC COAST	DRYCLEANERS	Higher	841, 0.159, NE
H48	DE CUIR MACH INC	25520 FRAMPTON AVE	RCRA-SQG, FINDS, ECHO	Lower	869, 0.165, North
J49	H & H CUSTOM BODY	25603 S NORMANDIE	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	903, 0.171, NNE
H50	MOTORSPORT TECHOLOGY	25518 FRAMPTON	RCRA NonGen / NLR, FINDS, ECHO	Lower	927, 0.176, North
I51	MR DRY CLEAN	1111 PCH UNIT 8	RCRA-SQG, FINDS, ECHO	Higher	943, 0.179, NE
J52	HARBOR IMP CAR CARE	25601 NORMANDIE	RCRA-SQG, FINDS, ECHO	Higher	945, 0.179, NNE
53	E C M INC	1515 W 259TH ST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	961, 0.182, West
54	K & S RUBBISH	26300 SOUTH VERMONT	WMUDS/SWAT	Lower	965, 0.183, ESE
J55	FIBRE GLASS FIN CO	1223 W 256TH ST	RCRA-SQG, HAZNET	Higher	1003, 0.190, NNE
K56	KAISER PERMANENTE ME	25825 S VERMONT AVE	ENVIROSTOR, HIST UST, FINDS, EMI, LA Co. Site...	Lower	1034, 0.196, East
K57	KAISER PERMANENTE SO	25825 S VERMONT AVE	RCRA-LQG, PADS	Lower	1034, 0.196, East
J58	JAMES J LIPPEN	25517 S NORMANDIE AV	SWEEPS UST	Higher	1094, 0.207, NNE
59	MTEC	2551 FRAMPTON	RCRA-SQG, FINDS, ECHO	Higher	1108, 0.210, North
L60	AAMCO	1520 PACIFIC COAST H	UST	Higher	1117, 0.212, WNW
L61	AAMCO	1520 W PACIFIC COAST	SWEEPS UST	Higher	1117, 0.212, WNW
62	LA CITY HOUSING AUTH	990 W 256 ST	RCRA-SQG, FINDS, ECHO	Higher	1253, 0.237, NE
63	PORT FLOW	1583 W 259TH ST	RCRA-SQG	Higher	1257, 0.238, West
64	KAISER PERMANENTE	25965 S NORMANDIE AV	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	1271, 0.241, SSE
65	ACCU-COAT PROCESS CO	1233 W 255 ST	RCRA-SQG, FINDS, ECHO	Higher	1292, 0.245, NNE
66	COLLIER CARBON & CHE	1480 ANAHEIM	HIST CORTESE	Higher	1355, 0.257, SSW
67	TRANS WORLD OIL CORP	1532 ANAHEIM	HIST CORTESE	Higher	1428, 0.270, SW
68	MACHADO LAKE	25820 VERMONT AVENUE	ENVIROSTOR, VCP	Lower	1631, 0.309, SSE
M69	TALENT METAL PRODUCT	1234 W 254TH ST	RCRA-SQG, LUST, HIST UST	Higher	1646, 0.312, NNE
M70	BUMPERLINE/SABEMA	1234 W. 254TH STREET	ENVIROSTOR	Higher	1646, 0.312, NNE
71	K&S RUBBISH AKA KEN	ANAHEIM ST. NEAR VER	SWF/LF	Lower	1676, 0.317, SSE
N72	HARBOR CITY MEDICAL	25825 VERMONT AVE.	LUST	Lower	1759, 0.333, ENE
N73	KAISER FONDATION HOS	25825 SOUTH VERMONT	LUST, CPS-SLIC, NPDES, CIWQS	Lower	1759, 0.333, ENE
74	WILMINGTON TOWN LOT	BAYVIEW AVE	CPS-SLIC	Lower	1767, 0.335, ENE
75	ACTA PARCEL PCH-1536	1634-1636 PACIFIC CO	CPS-SLIC	Higher	1779, 0.337, West
O76	TEXACO	1625 ANAHEIM	HIST CORTESE	Higher	1865, 0.353, WSW
77	GVW INVESTMENTS	1030 PACIFIC COAST H	LUST, SWEEPS UST	Lower	1893, 0.359, ENE
78	UNOCAL #2121	26393 VERMONT AVE S	LUST, HIST CORTESE	Higher	1905, 0.361, SSE

MAPPED SITES SUMMARY

Target Property Address:
1280 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
P79	C-BRITE METAL FINISH	1213 W 253RD ST	ENVIROSTOR	Higher	1985, 0.376, North
P80	C-BRITE METAL FINISH	1213 W 25 3RD ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, HIST	Higher	1985, 0.376, North
P81	A-1 MATERIALS	23003 MARIPOSA AVE S	LUST	Higher	2013, 0.381, North
O82	UNION OIL CO (1)	1660 ANAHEIM	HIST CORTESE	Higher	2039, 0.386, WSW
O83	L.A. REFINERY, WILMI	1660 ANAHEIM	HIST CORTESE	Higher	2039, 0.386, WSW
O84	UNOCAL - TOSCO LOS A	1660 ANAHEIM	CPS-SLIC	Higher	2039, 0.386, WSW
85	LOS ANGELES FIRE STA	1331 W 253RD ST	LUST, SWEEPS UST	Higher	2075, 0.393, North
Q86	SHELL SERVICES STATI	1695 PACIFIC COAST H	LUST	Higher	2300, 0.436, West
Q87	SHELL SERVICES STATI	1695 PACIFIC COAST H	LUST, HIST CORTESE	Higher	2300, 0.436, West
Q88	CHEVRON #9-1267	25800 WESTERN AVE	LUST, HIST CORTESE	Higher	2318, 0.439, West
Q89	MOBIL OIL CORP MXB	1701 PACIFIC COAST	RCRA-SQG, LUST, CHMIRS, FINDS, ECHO, HAZNET, HIST...	Higher	2501, 0.474, West
90	GAFFERY AND ANAHEIM	SE OF GAFFEY ST & AN	WMUDS/SWAT	Higher	2534, 0.480, SSE
91	APRO LLC DBA UNITED	909 PACIFIC COAST HW	LUST, HAZNET, HIST CORTESE	Lower	2538, 0.481, ENE
92	PROPOSED ROLLING HIL	300 A PASEO DEL MAR	ENVIROSTOR, SCH	Higher	2908, 0.551, SSW
93	BAY HARBOR HOSPITAL,	1437 W LOMITA BLVD	SWEEPS UST, HWP	Higher	3332, 0.631, NNW
R94	DEFENSE FUEL SUPPORT	3171 N. GAFFEY STREE	RESPONSE, ENVIROSTOR, HIST UST, CHMIRS	Lower	3573, 0.677, SSE
R95	SAN PEDRO DEFENSE FU	3171 GAFFEY STREET	HIST Cal-Sites, CHMIRS, MCS, Cortese, HIST...	Lower	3573, 0.677, SSE
96	ABANDONED OIL WELL S	24509 FRAMPTON AVE	ENVIROSTOR, CPS-SLIC	Higher	4779, 0.905, North
S97	PHILLIPS 66 LOS ANGE	1660 W ANAHEIM ST	CORRACTS, RCRA-TSDF, RCRA-LQG, US FIN ASSUR, 2020..	Higher	5049, 0.956, SE
S98	PHILLIPS 66 CO LOS A	1660 W ANAHEIM ST	ENVIROSTOR, CPS-SLIC, CHMIRS, EMI, ICE, HWP	Higher	5049, 0.956, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ---------- San Gabriel Valley Areas of Concern
US HIST CDL ---------- Delisted National Clandestine Laboratory Register
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register

Local Land Records

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information
DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information
EPA WATCH LIST ---------- EPA WATCH LIST
2020 COR ACTION ---------- 2020 Corrective Action Program List
TSCA ---------- Toxic Substances Control Act
TRIS ---------- Toxic Chemical Release Inventory System
SSTS ---------- Section 7 Tracking Systems

EXECUTIVE SUMMARY

ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)

EXECUTIVE SUMMARY

CIWQS ---------- California Integrated Water Quality System
SAMPLING POINT ---------- SAMPLING POINT (GEOTRACKER)
UIC GEO ---------- UIC GEO (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 01/09/2018 has revealed that there are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREX CORP B&W CHEM	25920 BELLE PORTE AV	WSW 0 - 1/8 (0.064 mi.)	D21	36
C-BRITE METAL FINISH	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.376 mi.)***	***P80***	***139***

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH	*1213 W 25 3RD ST*	*N 1/4 - 1/2 (0.376 mi.)*	*P80*	*139*
PHILLIPS 66 LOS ANGE	*1660 W ANAHEIM ST*	*SE 1/2 - 1 (0.956 mi.)*	*S97*	*227*

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH	*1213 W 25 3RD ST*	*N 1/4 - 1/2 (0.376 mi.)*	*P80*	*139*

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/11/2017 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER PERMANENTE SO	*25825 S VERMONT AVE*	*E 1/8 - 1/4 (0.196 mi.)*	*K57*	*95*

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 25 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR CITY HIGH PER	***1313 PACIFIC COAST H***	***NNE 0 - 1/8 (0.013 mi.)***	***A2***	***9***
INDEPENDENT DATSUN &	***1313 W PCH***	***NNE 0 - 1/8 (0.013 mi.)***	***A4***	***12***
FRANK COLETTO FORD I	***1241 PACIFIC COAST H***	***NNE 0 - 1/8 (0.027 mi.)***	***A9***	***21***
SUPERIEOR CLEANERS	***1210 PACIFIC COAST***	***NE 0 - 1/8 (0.047 mi.)***	***A15***	***27***
MICREE CORP	***25930 BELLE PORTE AV***	***SSW 0 - 1/8 (0.063 mi.)***	***B20***	***35***
PACIFIC AUTO CTR	***25840 BELLEPORTE***	***W 0 - 1/8 (0.067 mi.)***	***D23***	***40***
BACK DOOR PRODUCTION	***1416 W 259TH STREET***	***WSW 0 - 1/8 (0.100 mi.)***	***D32***	***54***
SPACEONICS INDUSTRIE	***1429 W 259TH ST***	***W 0 - 1/8 (0.111 mi.)***	***D33***	***56***
DIRO ALFA ROMEO	***1414 W PACIFIC COAST***	***WNW 0 - 1/8 (0.112 mi.)***	***E35***	***58***
SILVER STAR MERCEDES	***1433 PACIFIC COAST H***	***WNW 1/8 - 1/4 (0.150 mi.)***	***45***	***72***
H & H CUSTOM BODY	***25603 S NORMANDIE***	***NNE 1/8 - 1/4 (0.171 mi.)***	***J49***	***78***
MR DRY CLEAN	***1111 PCH UNIT 8***	***NE 1/8 - 1/4 (0.179 mi.)***	***I51***	***82***
HARBOR IMP CAR CARE	***25601 NORMANDIE***	***NNE 1/8 - 1/4 (0.179 mi.)***	***J52***	***84***
E C M INC	***1515 W 259TH ST***	***W 1/8 - 1/4 (0.182 mi.)***	***53***	***85***
FIBRE GLASS FIN CO	***1223 W 256TH ST***	***NNE 1/8 - 1/4 (0.190 mi.)***	***J55***	***90***
MTEC	***2551 FRAMPTON***	***N 1/8 - 1/4 (0.210 mi.)***	***59***	***101***
LA CITY HOUSING AUTH	***990 W 256 ST***	***NE 1/8 - 1/4 (0.237 mi.)***	***62***	***103***
PORT FLOW	1583 W 259TH ST	W 1/8 - 1/4 (0.238 mi.)	63	105
ACCU-COAT PROCESS CO	***1233 W 255 ST***	***NNE 1/8 - 1/4 (0.245 mi.)***	***65***	***109***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MIKES & MAXS	***25853 FRAMPTON***	***W 0 - 1/8 (0.008 mi.)***	***1***	***8***
TILLACK & CO LTD	***1325 PCH***	***NNW 0 - 1/8 (0.016 mi.)***	***A5***	***15***
PACIFIC YAMAHA	***1358 PACIFIC COAST H***	***NW 0 - 1/8 (0.058 mi.)***	***C18***	***31***
CITY INDUSTRIAL TOOL	***25524 FRAMPTON***	***N 1/8 - 1/4 (0.157 mi.)***	***H46***	***74***
DE CUIR MACH INC	***25520 FRAMPTON AVE***	***N 1/8 - 1/4 (0.165 mi.)***	***H48***	***77***
KAISER PERMANENTE	***25965 S NORMANDIE AV***	***SSE 1/8 - 1/4 (0.241 mi.)***	***64***	***106***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEP BOYS #0851	1315 PACIFIC COAST	N 0 - 1/8 (0.062 mi.)	A19	33
RITE AID #6413	***1207 PACIFIC COAST H***	***NE 0 - 1/8 (0.095 mi.)***	***F28***	***44***

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DEFENSE FUEL SUPPORT	***3171 N. GAFFEY STREE***	***SSE 1/2 - 1 (0.677 mi.)***	***R94***	***191***
Database: RESPONSE, Date of Government Version: 01/30/2018 Status: Active Facility Id: 19970007				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/30/2018 has revealed that there are 9 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNIMASCO INC Facility Id: 19280127 Status: Refer: Other Agency	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.064 mi.)***	***D22***	***37***
BUMPERLINE/SABEMA Facility Id: 71003661 Status: Refer: RWQCB	1234 W. 254TH STREET	NNE 1/4 - 1/2 (0.312 mi.)	M70	121
C-BRITE METAL FINISH Facility Id: 80001391 Status: No Action Required	1213 W 253RD ST	N 1/4 - 1/2 (0.376 mi.)	P79	138
PROPOSED ROLLING HIL Facility Id: 60000143 Status: Inactive - Needs Evaluation	***300 A PASEO DEL MAR***	***SSW 1/2 - 1 (0.551 mi.)***	***92***	***188***
ABANDONED OIL WELL S Facility Id: 19130095 Status: Refer: Other Agency	***24509 FRAMPTON AVE***	***N 1/2 - 1 (0.905 mi.)***	***96***	***226***
PHILLIPS 66 CO LOS A Facility Id: 19280289 Facility Id: 80001531	***1660 W ANAHEIM ST***	***SE 1/2 - 1 (0.956 mi.)***	***S98***	***358***

Facility Id: 71002152
Status: Refer: RCRA
Status: Refer: RWQCB
Status: Refer: Other Agency

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER PERMANENTE ME	***25825 S VERMONT AVE***	***E 1/8 - 1/4 (0.196 mi.)***	***K56***	***93***
Facility Id: 71002808				
Status: Refer: Other Agency				
MACHADO LAKE	***25820 VERMONT AVENUE***	***SSE 1/4 - 1/2 (0.309 mi.)***	***68***	***111***
Facility Id: 60001470				
Status: Active				
DEFENSE FUEL SUPPORT	***3171 N. GAFFEY STREE***	***SSE 1/2 - 1 (0.677 mi.)***	***R94***	***191***
Facility Id: 19970007				
Facility Id: 71003599				
Facility Id: 19970012				
Status: Active				
Status: Refer: Other Agency				
Status: Refer: RWQCB				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
101 DISPOSAL COMPANY	25965 S NORMANDIE AV	SE 0 - 1/8 (0.096 mi.)	G29	53
Database: SWF/LF (SWIS), Date of Government Version: 02/12/2018				
Facility ID: 19-AR-5137				

Lower Elevation	Address	Direction / Distance	Map ID	Page
K&S RUBBISH AKA KEN	ANAHEIM ST. NEAR VER	SSE 1/4 - 1/2 (0.317 mi.)	71	123
Database: SWF/LF (SWIS), Date of Government Version: 02/12/2018				
Facility ID: 19-AR-5154				

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 13 LUST sites within

approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION	***1150 PACIFIC COAST H***	***ENE 0 - 1/8 (0.120 mi.)***	***F41***	***64***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 907100116 Status: Case Closed Global Id: T0603743580 Global Id: T0603701596 Global ID: T0603701596				
TALENT METAL PRODUCT	***1234 W 254TH ST***	***NNE 1/4 - 1/2 (0.312 mi.)***	***M69***	***118***
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T10000003267				
UNOCAL #2121	***26393 VERMONT AVE S***	***SSE 1/4 - 1/2 (0.361 mi.)***	***78***	***135***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 907100061 Status: Case Closed Global Id: T0603701592 Global ID: T0603701592				
A-1 MATERIALS	23003 MARIPOSA AVE S	N 1/4 - 1/2 (0.381 mi.)	P81	153
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: I-21513 Status: Case Closed Global Id: T0603704477 Global ID: T0603704477				
LOS ANGELES FIRE STA	***1331 W 253RD ST***	***N 1/4 - 1/2 (0.393 mi.)***	***85***	***156***
Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Global Id: T0603730647				
SHELL SERVICES STATI	1695 PACIFIC COAST H	W 1/4 - 1/2 (0.436 mi.)	Q86	158
Database: LUST REG 4, Date of Government Version: 09/07/2004 Facility Id: 907100089A Status: Remediation Plan Global ID: T0603787937				
SHELL SERVICES STATI	***1695 PACIFIC COAST H***	***W 1/4 - 1/2 (0.436 mi.)***	***Q87***	***159***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018 Status: Completed - Case Closed Facility Id: 907100089 Status: Case Closed Global Id: T0603701594 Global Id: T0603787937 Global ID: T0603701594				
CHEVRON #9-1267	***25800 WESTERN AVE***	***W 1/4 - 1/2 (0.439 mi.)***	***Q88***	***165***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 03/12/2018				

Status: Completed - Case Closed
Facility Id: 907100070
Status: Case Closed
Global Id: T0603701593
Global ID: T0603701593

MOBIL OIL CORP MXB ***1701 PACIFIC COAST*** ***W 1/4 - 1/2 (0.474 mi.)*** ***Q89*** ***167***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Facility Id: R-09417
Status: Case Closed
Global Id: T0603704811
Global ID: T0603704811

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARBOR CITY MEDICAL	25825 VERMONT AVE.	ENE 1/4 - 1/2 (0.333 mi.)	N72	124

Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 907100161
Status: Leak being confirmed
Global ID: T0603797590

KAISER FONDATION HOS ***25825 SOUTH VERMONT*** ***ENE 1/4 - 1/2 (0.333 mi.)*** ***N73*** ***125***
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Global Id: T0603797590

GVW INVESTMENTS ***1030 PACIFIC COAST H*** ***ENE 1/4 - 1/2 (0.359 mi.)*** ***77*** ***133***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Facility Id: 907440116
Status: Case Closed
Global Id: T0603701657
Global ID: T0603701657

APRO LLC DBA UNITED ***909 PACIFIC COAST HW*** ***ENE 1/4 - 1/2 (0.481 mi.)*** ***91*** ***174***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 03/12/2018
Status: Completed - Case Closed
Facility Id: 907100052
Status: Remediation Plan
Global Id: T0603701591
Global ID: T0603701591

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTA PARCEL PCH-1536	1634-1636 PACIFIC CO	W 1/4 - 1/2 (0.337 mi.)	75	132

Database: CPS-SLIC, Date of Government Version: 03/12/2018

Global Id: SL0603735364
Facility Status: Completed - Case Closed

UNOCAL - TOSCO LOS A | 1660 ANAHEIM | WSW 1/4 - 1/2 (0.386 mi.) | O84 | 156
Database: SLIC REG 4, Date of Government Version: 11/17/2004
Facility Status: Remediation

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER FONDATION HOS	***25825 SOUTH VERMONT***	***ENE 1/4 - 1/2 (0.333 mi.)***	***N73***	***125***

Database: CPS-SLIC, Date of Government Version: 03/12/2018
Global Id: T10000001213
Facility Status: Completed - Case Closed

WILMINGTON TOWN LOT | BAYVIEW AVE | ENE 1/4 - 1/2 (0.335 mi.) | 74 | 130
Database: CPS-SLIC, Date of Government Version: 03/12/2018
Global Id: SLT43443441
Global Id: SLT43418416
Global Id: SLT43399397
Global Id: SLT43405403
Global Id: SLT43417415
**Additional key fields are available in the Map Findings section*
Facility Status: Completed - Case Closed

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRIWEST DISTRIBUTORS	1401 PACIFIC COAST H	NW 0 - 1/8 (0.099 mi.)	C30	54

Database: UST, Date of Government Version: 03/12/2018
Facility Id: 25480

CIRCLE K STORES INC. | 1150 PACIFIC COAST H | ENE 0 - 1/8 (0.120 mi.) | F37 | 62
Database: UST, Date of Government Version: 03/12/2018
Facility Id: 24181
Facility Id: LACt

CIRCLE K STORE #5619 | 1150 W PACIFIC COAST | ENE 0 - 1/8 (0.120 mi.) | F39 | 63
Database: UST, Date of Government Version: 03/12/2018

AAMCO | 1520 PACIFIC COAST H | WNW 1/8 - 1/4 (0.212 mi.) | L60 | 102
Database: UST, Date of Government Version: 03/12/2018
Facility Id: 24964

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DISTRIBUTING STATION	25923 FRAMPTON AVE	SSW 0 - 1/8 (0.022 mi.)	B6	17
Database: AST, Date of Government Version: 07/06/2016				

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 01/30/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MACHADO LAKE	***25820 VERMONT AVENUE***	***SSE 1/4 - 1/2 (0.309 mi.)***	***68***	***111***
Status: Active				
Facility Id: 60001470				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 3 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GAFFERY AND ANAHEIM	SE OF GAFFEY ST & AN	SSE 1/4 - 1/2 (0.480 mi.)	90	173

Lower Elevation	Address	Direction / Distance	Map ID	Page
101 DISPOSAL COMPANY	***25875 SOUTH NORMANDI***	***E 0 - 1/8 (0.048 mi.)***	***17***	***30***
K & S RUBBISH	26300 SOUTH VERMONT	ESE 1/8 - 1/4 (0.183 mi.)	54	89

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there

is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN PEDRO DEFENSE FU	***3171 GAFFEY STREET***	***SSE 1/2 - 1 (0.677 mi.)***	***R95***	***210***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 11 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANK COLETTO FORD I Comp Number: 5475	***1241 W PACIFIC COAST***	***NNE 0 - 1/8 (0.027 mi.)***	***A8***	***20***
UNIMASCO INC Comp Number: 2802	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.064 mi.)***	***D22***	***37***
JACK WOOD PLUMBING I Comp Number: 2346	25841 BELLE PORTE AV	W 0 - 1/8 (0.088 mi.)	E24	42
KAISER HOSPITAL Status: A Comp Number: 6737	***25875 S NORMANDIE AV***	***ESE 0 - 1/8 (0.092 mi.)***	***G26***	***43***
FRANK COLETTO FORD I Comp Number: 4752	1205 W PACIFIC COAST	NE 0 - 1/8 (0.095 mi.)	F27	44
GARY ANDERSON Comp Number: 7256	1401 W PACIFIC COAST	NW 0 - 1/8 (0.099 mi.)	C31	54
DIRO KG INC Comp Number: 7585	1414 PACIFIC COAST H	WNW 0 - 1/8 (0.112 mi.)	E34	58
K KIM'S UNION STATIO Status: A Tank Status: A Comp Number: 1784	1150 W PACIFIC COAST	ENE 0 - 1/8 (0.120 mi.)	F40	63
BAY MARINE Comp Number: 5480	***1400 W 260TH ST***	***SW 1/8 - 1/4 (0.137 mi.)***	***44***	***71***
JAMES J LIPPEN Comp Number: 4751	25517 S NORMANDIE AV	NNE 1/8 - 1/4 (0.207 mi.)	J58	100
AAMCO Status: A Comp Number: 5063	1520 W PACIFIC COAST	WNW 1/8 - 1/4 (0.212 mi.)	L61	103

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDEPENDENT DATSUN A	1313 W PACIFIC COAST	NNE 0 - 1/8 (0.013 mi.)	A3	11
INDEPENDENT DATSUN & Facility Id: 00000047201	***1313 W PCH***	***NNE 0 - 1/8 (0.013 mi.)***	***A4***	***12***
UNIMASCO INC Facility Id: 00000050781	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.064 mi.)***	***D22***	***37***
SERVICE STATION 2446 Facility Id: 00000029438	1150 PACIFIC COAST H	ENE 0 - 1/8 (0.120 mi.)	F38	62
UNION OIL SERVICE ST Facility Id: 00000056080	1150 WEST PACIFIC CO	ENE 0 - 1/8 (0.120 mi.)	F42	69
UNOCAL SERVICE STATI	***1150 W PACIFIC COAST***	***ENE 0 - 1/8 (0.120 mi.)***	***F43***	***70***
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
KAISER PERMANENTE ME	***25825 S VERMONT AVE***	***E 1/8 - 1/4 (0.196 mi.)***	***K56***	***93***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY MARINE Facility Id: 19032024 Status: A	***1400 W 260TH ST***	***SW 1/8 - 1/4 (0.137 mi.)***	***44***	***71***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/11/2017 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
F M F RACING INC	***25927 FRAMPTON AVE***	***SSW 0 - 1/8 (0.023 mi.)***	***B7***	***18***
MOTORSPORT TECHOLOGY	***25518 FRAMPTON***	***N 1/8 - 1/4 (0.176 mi.)***	***H50***	***80***

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 5 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NE 0 - 1/8 (0.047 mi.)	A11	25
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NE 0 - 1/8 (0.047 mi.)	A13	26
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
J & L CLEANERS	1210 PACIFIC COAST H	NE 0 - 1/8 (0.047 mi.)	A14	26
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NE 0 - 1/8 (0.047 mi.)	A16	29
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
MR DRYCLEAN	1111 W PACIFIC COAST	NE 1/8 - 1/4 (0.159 mi.)	I47	76
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 11 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION	***1150 PACIFIC COAST H***	***ENE 0 - 1/8 (0.120 mi.)***	***F41***	***64***
Reg Id: 907100116				
COLLIER CARBON & CHE	1480 ANAHEIM	SSW 1/4 - 1/2 (0.257 mi.)	66	111
Reg Id: 19281005				
TRANS WORLD OIL CORP	1532 ANAHEIM	SW 1/4 - 1/2 (0.270 mi.)	67	111
Reg Id: 908061043				
TEXACO	1625 ANAHEIM	WSW 1/4 - 1/2 (0.353 mi.)	O76	133
Reg Id: 907440198				
UNOCAL #2121	***26393 VERMONT AVE S***	***SSE 1/4 - 1/2 (0.361 mi.)***	***78***	***135***
Reg Id: 907100061				
UNION OIL CO (1)	1660 ANAHEIM	WSW 1/4 - 1/2 (0.386 mi.)	O82	155
Reg Id: 19280289				
L.A. REFINERY, WILMI	1660 ANAHEIM	WSW 1/4 - 1/2 (0.386 mi.)	O83	155
Reg Id: 4B192131002				
SHELL SERVICES STATI	***1695 PACIFIC COAST H***	***W 1/4 - 1/2 (0.436 mi.)***	***Q87***	***159***
Reg Id: 907100089				
CHEVRON #9-1267	***25800 WESTERN AVE***	***W 1/4 - 1/2 (0.439 mi.)***	***Q88***	***165***
Reg Id: 907100070				
MOBIL OIL CORP MXB	***1701 PACIFIC COAST***	***W 1/4 - 1/2 (0.474 mi.)***	***Q89***	***167***
Reg Id: R-09417				

Lower Elevation	Address	Direction / Distance	Map ID	Page
APRO LLC DBA UNITED	***909 PACIFIC COAST HW***	***ENE 1/4 - 1/2 (0.481 mi.)***	***91***	***174***

Reg Id: 907100052

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 02/20/2018 has revealed that there are 3 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.376 mi.)***	***P80***	***139***
EPA Id: CAD045520996				
Cleanup Status: PROTECTIVE FILER				
BAY HARBOR HOSPITAL,	***1437 W LOMITA BLVD***	***NNW 1/2 - 1 (0.631 mi.)***	***93***	***191***
EPA Id: CAD981391535				
Cleanup Status: KNOWN GENERATORS				
PHILLIPS 66 CO LOS A	***1660 W ANAHEIM ST***	***SE 1/2 - 1 (0.956 mi.)***	***S98***	***358***
EPA Id: CAD008237679				
Cleanup Status: POST CLOSURE PERMIT				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JOHNS TRANSMISSIONS	1242 PACIFIC COAST H	NE 0 - 1/8 (0.034 mi.)	A10	24
WOOD JAMES C TEXACO	1205 W PACIFIC COAST	NE 0 - 1/8 (0.090 mi.)	F25	43
KIMS UNION	1150 PACIFIC COAST H	ENE 0 - 1/8 (0.120 mi.)	F36	62

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical

Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

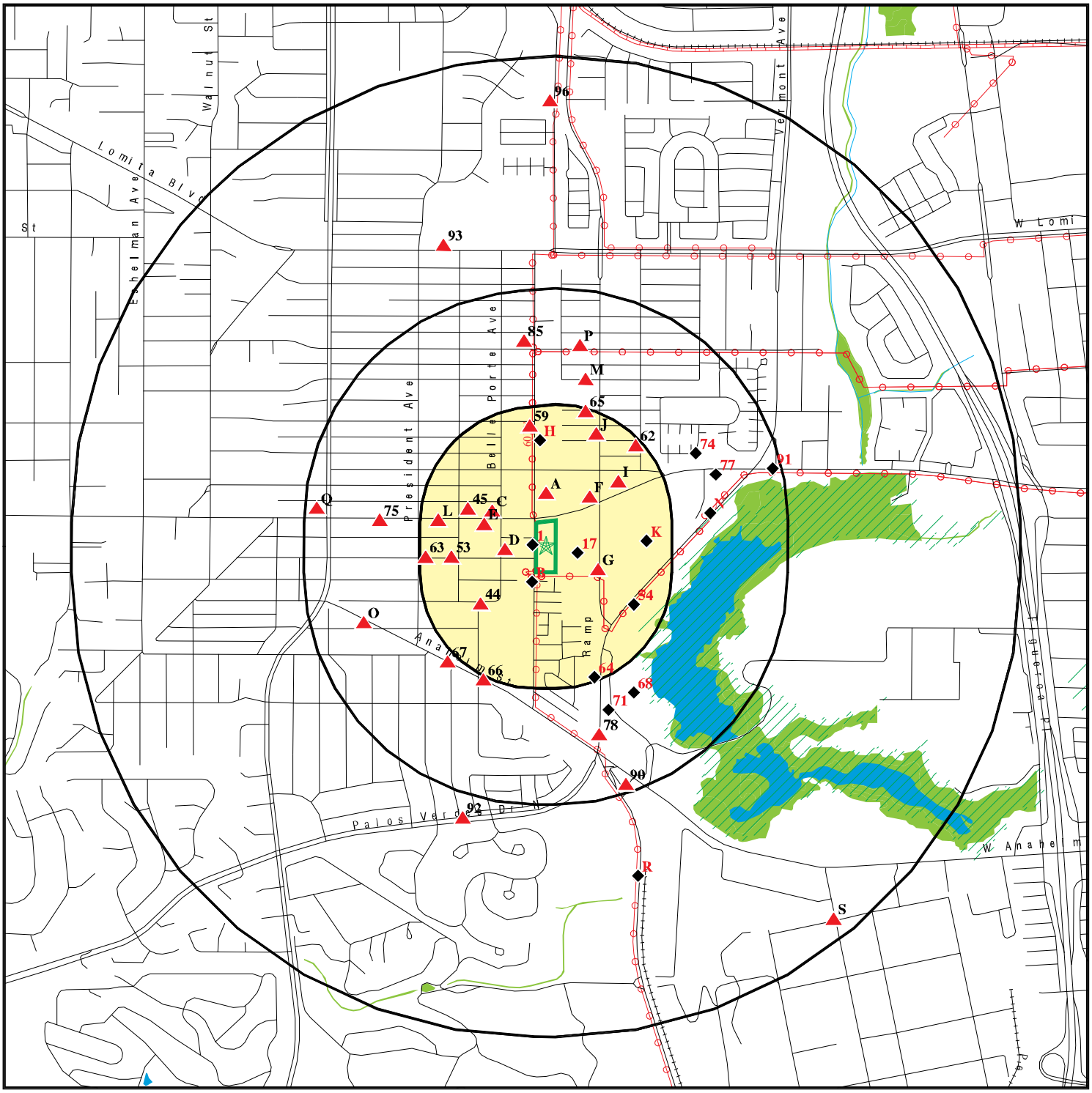
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NE 0 - 1/8 (0.047 mi.)	A12	25

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
UNOCAL #7109	LUST, SWEEPS UST, HIST CORTESE
	CDL
PALOS VERDES LDFL # 2	SEMS-ARCHIVE
LOS ANGELES HARBOR BERTH 115	SEMS-ARCHIVE, ENVIROSTOR
FORT MACARTHUR	SEMS-ARCHIVE
K & S RUBBISH	SWF/LF
GOLDEN COVE SHOPPING CENTER	CPS-SLIC
WILMINGTON TOWN LOT #369, 371, 372	CPS-SLIC
WILMINGTON TOWN LOT #274	CPS-SLIC
WILMINGTON TOWN LOT #156	CPS-SLIC
WILMINGTON TOWN LOT #114	CPS-SLIC
WILMINGTON TOWN LOT #113	CPS-SLIC
WILMINGTON TOWN LOT #040	CPS-SLIC
WILMINGTON TOWN LOT #018	CPS-SLIC
ACTA SOUTH - PCH GRADE SEPARATION	CPS-SLIC
ACTA PARCEL PCH-1542	CPS-SLIC
ACTA SOUTH - MAINTENANCE YARD	CPS-SLIC
GOLDEN EAGLE REFINERY	CA BOND EXP. PLAN
PACIFIC COAST CLEANERS 32T AV	EDR Hist Cleaner
TED HAMMETT (CARSON)	ENVIROSTOR

OVERVIEW MAP - 5309178.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1280 Pacific Coast Highway	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 1280 Pacific Coast Highway Harbor City CA 90710	CONTACT: Colleen Tubridy
LAT/LONG: 33.788547 / 118.299487	INQUIRY #: 5309178.2s DATE: May 23, 2018 5:45 pm

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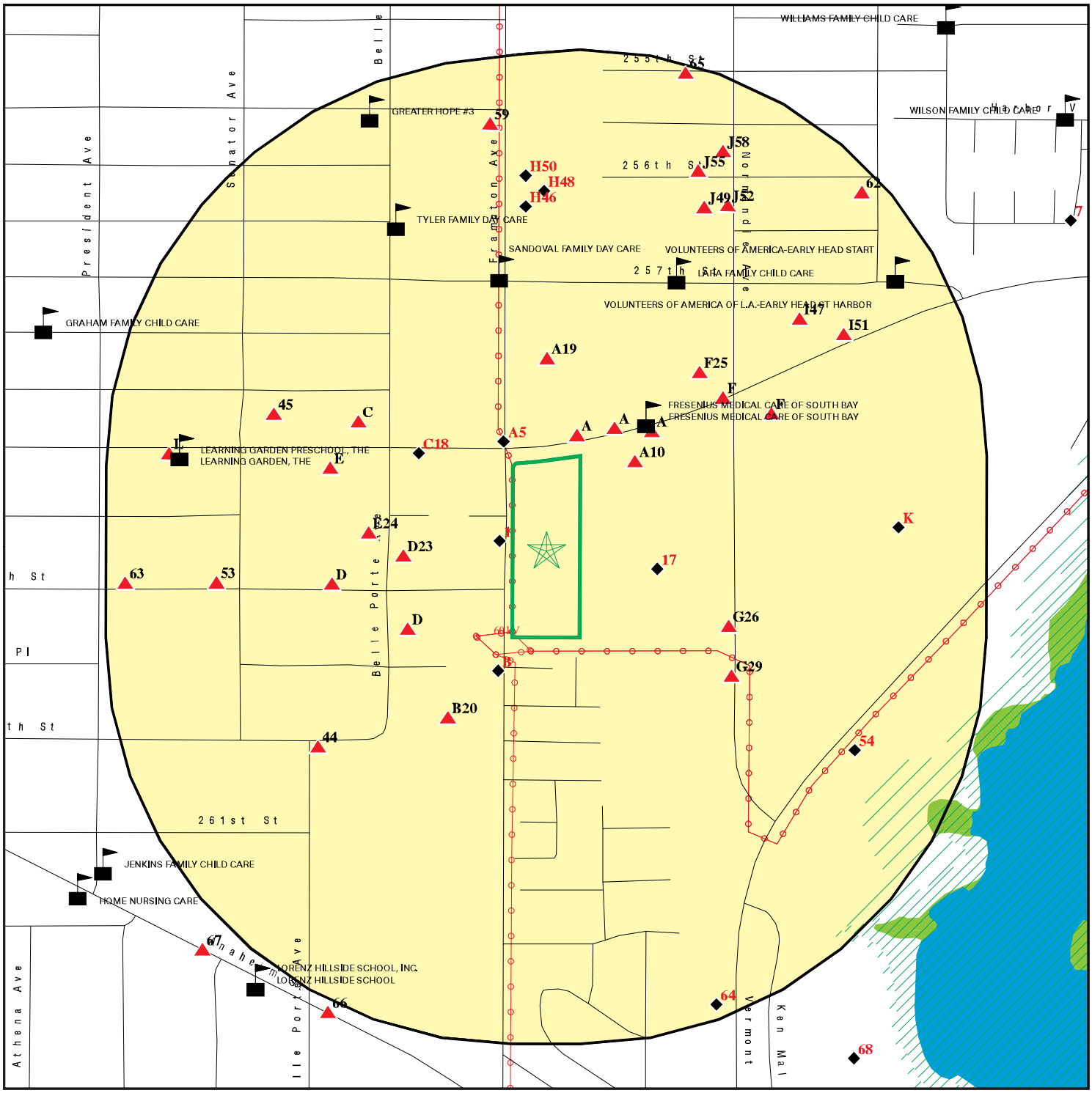
DETAIL MAP - 5309178.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

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ADDRESS: 1280 Pacific Coast Highway Harbor City CA 90710	CONTACT: Colleen Tubridy
LAT/LONG: 33.788547 / 118.299487	INQUIRY #: 5309178.2s DATE: May 23, 2018 5:47 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	0	1	NR	NR	2
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	1	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		12	13	NR	NR	NR	25
RCRA-CESQG	0.250		2	0	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		1	1	3	4	NR	9
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	0	1	NR	NR	2
State and tribal leaking storage tank lists								
LUST	0.500		1	0	12	NR	NR	13

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	4	NR	NR	4
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		3	1	NR	NR	NR	4
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		1	1	1	NR	NR	3
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		8	3	NR	NR	NR	11
HIST UST	0.250		6	1	NR	NR	NR	7
CA FID UST	0.250		0	1	NR	NR	NR	1
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		4	1	NR	NR	NR	5
EMI	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	10	NR	NR	11
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	1	2	NR	3
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	47	24	36	9	0	116

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
West
< 1/8
0.008 mi.
42 ft.

MIKES & MAXS
25853 FRAMPTON
HARBOR CITY, CA 90710

RCRA-SQG
FINDS
ECHO

1000220138
CAD982048134

Relative:
Lower

Actual:
42 ft.

RCRA-SQG:

Date form received by agency:	10/07/1987
Facility name:	MIKES & MAXS
Facility address:	25853 FRAMPTON HARBOR CITY, CA 90710
EPA ID:	CAD982048134
Mailing address:	FRAMPTON HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25853 FRAMPTON HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-0698
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BILL MAXWELL
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

MIKES & MAXS (Continued) **1000220138**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002787636

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000220138
Registry ID:	110002787636
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002787636

A2 **HARBOR CITY HIGH PERFORMANCE** **RCRA-SQG** **1000164303**
NNE **1313 PACIFIC COAST HWY UNIT B** **FINDS** **CAD982050056**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.013 mi.
69 ft. **Site 1 of 14 in cluster A**

Relative:
Higher

Actual:
46 ft.

RCRA-SQG:

Date form received by agency:	10/19/1987
Facility name:	HARBOR CITY HIGH PERFORMANCE
Facility address:	1313 PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
EPA ID:	CAD982050056
Mailing address:	PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1313 PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-3432
Contact email:	Not reported
EPA Region:	09

HARBOR CITY HIGH PERFORMANCE (Continued) **1000164303**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: FRED SNYDER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002788699

HARBOR CITY HIGH PERFORMANCE (Continued) **1000164303**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000164303
Registry ID: 110002788699
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002788699

A3 **INDEPENDENT DATSUN AND TOYOTA RE** **HIST UST** **S118411327**
NNE **1313 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.013 mi.
69 ft. **Site 2 of 14 in cluster A**

Relative: Higher
Actual: 46 ft.

HIST UST:
File Number: 00027313
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027313.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

A4 **INDEPENDENT DATSUN & TOYOTA REP** **RCRA-SQG** **1000209525**
NNE **1313 W PCH** **HIST UST** **CAD982041816**
< 1/8 **HARBOR CITY, CA 90710** **FINDS**
0.013 mi. **ECHO**
69 ft. **Site 3 of 14 in cluster A** **HAZNET**

Relative: Higher

Actual: 46 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	INDEPENDENT DATSUN & TOYOTA REP
Facility address:	1313 W PCH HARBOR CITY, CA 90710
EPA ID:	CAD982041816
Mailing address:	PO BOX 308 HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	KENNETH REUTERSKIOLD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/21/1987
Site name:	INDEPENDENT DATSUN & TOYOTA REP
Classification:	Large Quantity Generator
Violation Status:	No violations found

HIST UST:

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000047201
Facility Type:	Other
Other Type:	AUTO REPAIR
Contact Name:	KENNETH REUTERSKIOLD
Telephone:	2133267660
Owner Name:	KEN DON MOTORS
Owner Address:	25100 S. NORMANDIE UNIT F
Owner City,St,Zip:	HARBOR CITY, CA 90710
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None

FINDS:

Registry ID: 110002786138

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000209525
Registry ID:	110002786138
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002786138

HAZNET:

envid:	1000209525
Year:	2000
GEPAID:	CAD982041816
Contact:	DEACT PER VQ96
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	PO BOX 308
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	0.33
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000209525
Year:	1999
GEPAID:	CAD982041816
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 308
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Recycler
Tons:	.7506
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000209525
Year:	1998
GEPAID:	CAD982041816
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	PO BOX 308
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT080013352

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .6672
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000209525
Year: 1997
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .4170
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000209525
Year: 1996
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

A5 **TILLACK & CO LTD** **RCRA-SQG** **1000275897**
NNW **1325 PCH** **FINDS** **CAD981442114**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.016 mi.
82 ft. **Site 4 of 14 in cluster A**

Relative: RCRA-SQG:
Lower Date form received by agency: 09/04/1986
Actual: Facility name: TILLACK & CO LTD
43 ft. Facility address: 1325 PCH
HARBOR CITY, CA 90710

TILLACK & CO LTD (Continued) **1000275897**

EPA ID:	CAD981442114
Mailing address:	PCH HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1325 PCH HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	415-555-1212
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STEVEN TILLACK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

TILLACK & CO LTD (Continued) **1000275897**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002707161

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000275897
Registry ID: 110002707161
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002707161

B6 **DISTRIBUTING STATION 123** **AST** **A100419443**
SSW **25923 FRAMPTON AVE** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.022 mi.
118 ft. **Site 1 of 3 in cluster B**

Relative:
Lower

Actual:
42 ft.

AST:
Certified Unified Program Agencies: Not reported
Owner: Los Angeles Department of Water and Power
Total Gallons: Not reported
CERSID: 10030240
Facility ID: LACt
Business Name: Los Angeles Department of Water and Power
Phone: 213-367-0403
Fax: Not reported
Mailing Address: 111 N. Hope St. Room 1050
Mailing Address City: Los Angeles
Mailing Address State: CA
Mailing Address Zip Code: 90012
Operator Name: Los Angeles Department of Water and Power
Operator Phone: 213-367-0403
Owner Phone: 213-367-0403
Owner Mail Address: 111 N. Hope St. Room 1050
Owner State: CA
Owner Zip Code: 90012
Owner Country: United States
Property Owner Name: Los Angeles Department of Water and Power
Property Owner Phone: 213-367-0403
Property Owner Mailing Address: 111 North Hope Street, Room 1050
Property Owner City: Los Angeles

DISTRIBUTING STATION 123 (Continued) **A100419443**

Property Owner Stat : CA
Property Owner Zip Code: 90012
Property Owner Country: United States
EPAID: Not reported

B7 **F M F RACING INC** **RCRA NonGen / NLR** **1001115512**
SSW **25927 FRAMPTON AVE** **FINDS** **CAR000014480**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.023 mi. **HAZNET**
123 ft. **Site 2 of 3 in cluster B**

Relative:
Lower

Actual:
42 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/15/2000
Facility name: F M F RACING INC
Facility address: 25927 FRAMPTON AVE
HARBOR CITY, CA 90710
EPA ID: CAR000014480
Mailing address: 25930 BELLE PORTE AVE
HARBOR CITY, CA 90710
Contact: BRION MC HALE
Contact address: 18033 S SANTA FE AVE
RANCHO DOMINGUEZ, CA 90221-5514
Contact country: US
Contact telephone: 310-631-4363
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: F M F RACING INC
Owner/operator address: 25930 BELLE PORTE AVE
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 310-539-6884
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

F M F RACING INC (Continued) **1001115512**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002913526

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001115512
Registry ID: 110002913526
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002913526

HAZNET:
envid: 1001115512
Year: 1998
GEPAID: CAR000014480
Contact: F M F RACING INC
Telephone: 3105396884
Mailing Name: Not reported
Mailing Address: 18033 S SANTA FE AVE
Mailing City,St,Zip: RANCHO DOMINGUEZ, CA 902213317
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .8129
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001115512
Year: 1998
GEPAID: CAR000014480
Contact: F M F RACING INC
Telephone: 3105396884
Mailing Name: Not reported
Mailing Address: 18033 S SANTA FE AVE
Mailing City,St,Zip: RANCHO DOMINGUEZ, CA 902213317
Gen County: Not reported
TSD EPA ID: CAD093459485
TSD County: Not reported
Waste Category: Organic liquids with metals (Alkaline solution (pH >= 12.5) with

F M F RACING INC (Continued) **1001115512**

metals)
Disposal Method: Transfer Station
Tons: .1251
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

A8 **FRANK COLETTO FORD INC** **SWEEPS UST S106831288**
NNE **1241 W PACIFIC COAST HWY** **EMI N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.027 mi.
144 ft. **Site 5 of 14 in cluster A**

Relative:
Higher

Actual:
47 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 5475
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

EMI:
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 12148
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 1
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 12148
Air District Name: SC
SIC Code: 5511
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported

FRANK COLETTO FORD INC (Continued) **S106831288**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A9 **FRANK COLETTO FORD ISUZU INC** **RCRA-SQG** **1000316586**
NNE **1241 PACIFIC COAST HWY** **FINDS** **CAD981691751**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.027 mi. **HAZNET**
144 ft. **Site 6 of 14 in cluster A**

Relative: Higher
Actual: 47 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	FRANK COLETTO FORD ISUZU INC
Facility address:	1241 PACIFIC COAST HWY HARBOR CITY, CA 90710
EPA ID:	CAD981691751
Mailing address:	PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRANK COLETTO FORD ISUZU INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002754760

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000316586
Registry ID: 110002754760
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002754760

HAZNET:
envid: 1000316586
Year: 1997
GEPAID: CAD981691751
Contact: FRANK COLETTO FORD ISUZU INC
Telephone: 2133259225
Mailing Name: Not reported
Mailing Address: 1241 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102931

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 21.0700
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000316586
Year: 1996
GEPAID: CAD981691751
Contact: FRANK COLETTO FORD ISUZU INC
Telephone: 2133259225
Mailing Name: Not reported
Mailing Address: 1241 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102931
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Tons: 1.2510
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000316586
Year: 1996
GEPAID: CAD981691751
Contact: FRANK COLETTO FORD ISUZU INC
Telephone: 2133259225
Mailing Name: Not reported
Mailing Address: 1241 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102931
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Tons: 4.1700
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000316586
Year: 1996
GEPAID: CAD981691751
Contact: FRANK COLETTO FORD ISUZU INC
Telephone: 2133259225
Mailing Name: Not reported
Mailing Address: 1241 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102931
Gen County: Not reported
TSD EPA ID: CAD981696420
TSD County: Not reported

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	15.4290
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000316586
Year:	1995
GEPAID:	CAD981691751
Contact:	FRANK COLETTO FORD ISUZU INC
Telephone:	2133259225
Mailing Name:	Not reported
Mailing Address:	1241 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907102931
Gen County:	Not reported
TSD EPA ID:	CAD093459485
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Transfer Station
Tons:	.0166
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

A10
NE
< 1/8
0.034 mi.
178 ft.

JOHNS TRANSMISSIONS **EDR Hist Auto** **1020970578**
1242 PACIFIC COAST HWY **N/A**
HARBOR CITY, CA 90710

Site 7 of 14 in cluster A

Relative:
Higher

Actual:
48 ft.

EDR Hist Auto

Year:	Name:	Type:
1997	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
1997	HONGS AUTO SERVICE	General Automotive Repair Shops
1998	HONGS AUTO SERVICE	General Automotive Repair Shops
1998	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
1999	HONGS AUTO SERVICE	General Automotive Repair Shops
1999	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2000	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2000	HONGS AUTO SERVICE	General Automotive Repair Shops
2001	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2001	HONGS AUTO SERVICE	General Automotive Repair Shops
2002	HONGS AUTO SERVICE	General Automotive Repair Shops
2002	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2003	HONGS AUTO SERVICE	General Automotive Repair Shops
2003	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2004	HONGS AUTO SERVICE	General Automotive Repair Shops
2004	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2005	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2005	HONGS AUTO SERVICE	General Automotive Repair Shops
2006	HONGS AUTO SERVICE	General Automotive Repair Shops
2006	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2007	HONGS AUTO SERVICE	General Automotive Repair Shops

JOHNS TRANSMISSIONS (Continued) **1020970578**

2007	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2008	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2008	HONGS AUTO SERVICE	General Automotive Repair Shops
2009	HONGS AUTO SERVICE	General Automotive Repair Shops
2009	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2010	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2010	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2011	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2011	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2012	H1 AUTO SMOG	General Automotive Repair Shops
2012	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2013	H1 AUTO SMOG	General Automotive Repair Shops
2013	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2014	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2014	H1 AUTO SMOG	General Automotive Repair Shops

A11 **SUPERIOR CLEANERS** **DRYCLEANERS** **S121698437**
NE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.047 mi.
247 ft. **Site 8 of 14 in cluster A**

Relative: **Higher**
Actual: **48 ft.**

DRYCLEAN SOUTH COAST:

Facility ID:	54837
Application Number:	149340
Permit Number:	M53974
Status:	S
Representative Name:	SERGIO IGDAL
Representative Telephone:	213 3264787
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	379.8999939
UTM North:	3739.3999023

A12 **SUPERIOR CLEANERS** **EDR Hist Cleaner** **1018969530**
NE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.047 mi.
247 ft. **Site 9 of 14 in cluster A**

Relative: **Higher**
Actual: **48 ft.**

EDR Hist Cleaner

Year:	Name:	Type:
1985	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1986	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1987	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1988	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1989	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1990	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1991	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs

A13
NE
< 1/8
0.047 mi.
247 ft.

SUPERIOR CLEANERS — DRYCLEANERS — S121697859
1210 PACIFIC COAST HWY — N/A
HARBOR CITY, CA 90710

Site 10 of 14 in cluster A

Relative:
Higher

Actual:
48 ft.

DRYCLEAN SOUTH COAST:

Facility ID:	44350
Application Number:	123058
Permit Number:	M39468
Status:	O
Representative Name:	MICHAEL M. OHREN
Representative Telephone:	213 6438450
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

A14
NE
< 1/8
0.047 mi.
247 ft.

J & L CLEANERS — DRYCLEANERS — S121697523
1210 PACIFIC COAST HWY — N/A
HARBOR CITY, CA 90710

Site 11 of 14 in cluster A

Relative:
Higher

Actual:
48 ft.

DRYCLEAN SOUTH COAST:

Facility ID:	38409
Application Number:	107866
Permit Number:	Not reported
Status:	O
Representative Name:	JIMMY ANDERSON
Representative Telephone:	213 3264787
Permit Status:	Not reported
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

Facility ID:	38409
Application Number:	110055
Permit Number:	M33665
Status:	O
Representative Name:	JIMMY ANDERSON
Representative Telephone:	213 3264787
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

A15
NE
< 1/8
0.047 mi.
247 ft.

SUPERIEOR CLEANERS
1210 PACIFIC COAST
HARBOR CITY, CA 90710

Site 12 of 14 in cluster A

Database(s): RCRA-SQG, FINDS, ECHO, HAZNET

EDR ID Number: 1000215351
EPA ID Number: CAD981641632

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SUPERIEOR CLEANERS
Facility address:	1210 PACIFIC COAST HARBOR CITY, CA 90710
EPA ID:	CAD981641632
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	GREGORIO IGAL
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

SUPERIEOR CLEANERS (Continued) **1000215351**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/1987
Site name: SUPERIEOR CLEANERS
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/09/1994
Date achieved compliance: 06/09/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/09/1999
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002735933

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

SUPERIEOR CLEANERS (Continued) **1000215351**

ECHO:
Envid: 1000215351
Registry ID: 110002735933
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002735933

HAZNET:
envid: 1000215351
Year: 1997
GEPAID: CAD981641632
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1210 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102932
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .2899
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Ventura

envid: 1000215351
Year: 1995
GEPAID: CAD981641632
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1210 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102932
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .3150
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Ventura

A16 **SUPERIOR CLEANERS** **DRYCLEANERS** **S121700089**
NE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.047 mi.
247 ft. **Site 13 of 14 in cluster A**

Relative:
Higher

Actual:
48 ft.

DRYCLEAN SOUTH COAST:
Facility ID: 88061
Application Number: 255664
Permit Number: D51601
Status: O
Representative Name: YOUNG C SHIN
Representative Telephone: 213 3264787
Permit Status: INACTIVE

SUPERIOR CLEANERS (Continued) **S121700089**

BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

17
East
< 1/8
0.048 mi.
252 ft.

101 DISPOSAL COMPANY **WMUDS/SWAT** **S103441301**
25875 SOUTH NORMANDIE **LDS** **N/A**
WILMINGTON, CA 90744

Relative:
Lower

Actual:
41 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	64-155
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	101 DISPOSAL COMPANY
Agency Department:	Not reported
Agency Address:	201 NORTH MISSION ROAD
Agency City,St,Zip:	LOS ANGELES 90033
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	KAISER PERMANENTE
Land Owner Address:	WALNUT CENTER
Land Owner City,St,Zip:	PASADENA, CA 91188
Land Owner Contact:	ED MULLANEY
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	101 DISPOSAL COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	B_P
Number of WMUDS at Facility:	1
Section Range:	Not reported

101 DISPOSAL COMPANY (Continued) **S103441301**

RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190015NUR
Solid Waste Information ID:	Not reported

LDS:

Global Id:	T10000004517
Latitude:	33.78837
Longitude:	-118.2983
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	05/20/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	WY
Local Agency:	Not reported
RB Case Number:	64-155
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	T10000004517
Potential Contaminants of Concern:	Not reported
Site History:	The landfill closed in November 1965.

Click here to access the California GeoTracker records for this facility:

C18 **PACIFIC YAMAHA** **RCRA-SQG 1004676918**
NW **1358 PACIFIC COAST HWY** **FINDS CAR000091116**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.058 mi. **HAZNET**
307 ft. **Site 1 of 3 in cluster C**

Relative: Lower

Actual: 42 ft.

RCRA-SQG:

Date form received by agency:	02/01/2001
Facility name:	PACIFIC YAMAHA
Facility address:	1358 PACIFIC COAST HWY HARBOR CITY, CA 90710
EPA ID:	CAR000091116
Contact:	KEVIN KNIGHT
Contact address:	1358 PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-891-6990
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	PACIFIC YAMAHA
Owner/operator address:	1358 PACIFIC COAST HWY

PACIFIC YAMAHA (Continued) **1004676918**

HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 310-891-6990
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012209074

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004676918
Registry ID: 110012209074
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012209074

HAZNET:
envid: 1004676918

PACIFIC YAMAHA (Continued) **1004676918**

Year:	2001
GEPAID:	CAR000091116
Contact:	--
Telephone:	3108916990
Mailing Name:	Not reported
Mailing Address:	1358 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.13
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A19 **PEP BOYS #0851** **RCRA-CESQG** **1023966870**
North **1315 PACIFIC COAST** **CAR000275917**
< 1/8 **HARBOR CITY, CA 90710**
0.062 mi.
330 ft. **Site 14 of 14 in cluster A**

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:

Date form received by agency:	09/11/2017
Facility name:	PEP BOYS #0851
Facility address:	1315 PACIFIC COAST HARBOR CITY, CA 90710
EPA ID:	CAR000275917
Mailing address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Contact:	ALANA J PERSAD
Contact address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Contact country:	US
Contact telephone:	215-430-9226
Telephone ext.:	9226
Contact email:	ALANA_PERSAD@PEPBOYS.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE PEP BOYS MANNY MOE & JACK

PEP BOYS #0851 (Continued) **1023966870**

Owner/operator address: W ALLEGHENY AVE
PHILADELPHIA, PA 19132
Owner/operator country: US
Owner/operator telephone: 215-430-9226
Owner/operator email: ALANA_PERSAD@PEPBOYS.COM
Owner/operator fax: 215-430-4639
Owner/operator extension: 9226
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/30/1997
Owner/Op end date: Not reported

Owner/operator name: THE PEP BOYS MANNY MOE & JACK
Owner/operator address: W ALLEGHENY AVE
PHILADELPHIA, PA 19132
Owner/operator country: US
Owner/operator telephone: 215-430-9226
Owner/operator email: ALANA_PERSAD@PEPBOYS.COM
Owner/operator fax: 215-430-4639
Owner/operator extension: 9226
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/30/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 134
. Waste name: Aqueous solution with <10% total organic residues

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

B20
SSW
< 1/8
0.063 mi.
333 ft.

MICREE CORP
25930 BELLE PORTE AVE
HARBOR CITY, CA 90710

Site 3 of 3 in cluster B

RCRA-SQG
FINDS
ECHO

1000355375
CAD079625950

Relative:
Higher

Actual:
46 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	MICREE CORP
Facility address:	25930 BELLE PORTE AVE HARBOR CITY, CA 90710
EPA ID:	CAD079625950
Mailing address:	25930 BELLE PORTE AVENUE HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MICREE CORPORATION
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

MICREE CORP (Continued) **1000355375**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	11/18/1980
Site name:	MICREE CORP
Classification:	Large Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110002659873

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000355375
Registry ID:	110002659873
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002659873

D21 **PUREX CORP B&W CHEM DIV** **SEMS-ARCHIVE** **1003878473**
WSW **25920 BELLE PORTE AVE** **CAD980636419**
< 1/8 **HARBOR CITY, CA 90710**
0.064 mi.
339 ft. **Site 1 of 5 in cluster D**

Relative:
Higher

Actual:
44 ft.

SEMS Archive:

Site ID:	901808
EPA ID:	CAD980636419
Cong District:	32
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

PUREX CORP B&W CHEM DIV (Continued) **1003878473**

SEMS Archive Detail:

Region:	9
Site ID:	901808
EPA ID:	CAD980636419
Site Name:	PUREX CORP B&W CHEM DIV
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1985-10-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	901808
EPA ID:	CAD980636419
Site Name:	PUREX CORP B&W CHEM DIV
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1981-06-01 00:00:00
Finish Date:	1981-06-01 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	9
Site ID:	901808
EPA ID:	CAD980636419
Site Name:	PUREX CORP B&W CHEM DIV
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-06-01 00:00:00
Finish Date:	1985-10-01 00:00:00
Qual:	N
Current Action Lead:	St Perf

D22 **UNIMASCO INC** **ENVIROSTOR** **1000296491**
WSW **25920 BELLE PORTE AVE** **SWEEPS UST** **N/A**
< 1/8 **HARBOR CITY, CA 90710** **HIST UST**
0.064 mi. **EMI**
339 ft. **Site 2 of 5 in cluster D**

Relative:
Higher

Actual:
44 ft.

ENVIROSTOR:

Facility ID:	19280127
Status:	Refer: Other Agency
Status Date:	03/01/1984

UNIMASCO INC (Continued) **1000296491**

Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.78784
Longitude: -118.3007
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * DETERGENT & SOAP * UNSPECIFIED ACID SOLUTION * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: B&W CHEMICAL CO.
Alias Type: Alternate Name
Alias Name: ETHAN ALLEN FURNITURE
Alias Type: Alternate Name
Alias Name: NICK KLINE & JIM PICKETT-FURN STORE
Alias Type: Alternate Name
Alias Name: PUREX CORP B&W CHEM DIV
Alias Type: Alternate Name
Alias Name: UNIMASCO (SINCE 1979)
Alias Type: Alternate Name
Alias Name: CAD980636419
Alias Type: EPA Identification Number
Alias Name: 19280127
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/28/1994
Comments: DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: T/C W/M.ASPER,PUREX CORP,213-634-3000 - 1)SOURCE ACT: MFG CLEANING COMPOUNDS & SOAP LUBRICANTS(PUREX). (UNIMASCO) MFG MACHINES, PAINT LINES. LEASED FROM CHALES 213-630-7585. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery

UNIMASCO INC (Continued) **1000296491**

Completed Date: 09/29/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 11/01/1981
Comments: FACILITY IDENTIFIED LA CITY SANITATION CITY IW PERMIT ORIG TO B & W CHEM CO ON 2/15/57. W 13908 CANCEL 5/66. PUREX OWN, IN 10/66. PERMIT W29472. MOVED OUT 12/68

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Status: Not reported
Comp Number: 2802
Number: Not reported
Board Of Equalization: 44-012544
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002802-000001
Tank Status: Not reported
Capacity: 1
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 1

HIST UST:
File Number: 00026B0E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B0E.pdf
Region: STATE
Facility ID: 00000050781
Facility Type: Other
Other Type: Not reported
Contact Name: Not reported
Telephone: 0000000000
Owner Name: CHARLES A. HALLAIAN
Owner Address: 22722 JUNIPER
Owner City,St,Zip: TORRANCE, CA 90505
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported

UNIMASCO INC (Continued) **1000296491**

Tank Capacity: 00000000
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 57690
Air District Name: SC
SIC Code: 3599
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

D23 **PACIFIC AUTO CTR** **RCRA-SQG 1000250137**
West **25840 BELLEPORTE** **FINDS CAD981445802**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.067 mi.
355 ft. **Site 3 of 5 in cluster D**

Relative:
Higher

Actual:
45 ft.

RCRA-SQG:
Date form received by agency: 09/15/1986
Facility name: PACIFIC AUTO CTR
Facility address: 25840 BELLEPORTE
HARBOR CITY, CA 90710
EPA ID: CAD981445802
Mailing address: BELLEPORTE
HARBOR CITY, CA 90710
Contact: ENVIRONMENTAL MANAGER
Contact address: 25840 BELLEPORTE
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-530-2216
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED

PACIFIC AUTO CTR (Continued) **1000250137**

NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: KIM CHAN JUNG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002709640

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PACIFIC AUTO CTR (Continued) **1000250137**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000250137
Registry ID: 110002709640
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002709640

E24 **JACK WOOD PLUMBING INC** **SWEEPS UST** **S106927653**
West **25841 BELLE PORTE AVE** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.088 mi.
467 ft. **Site 1 of 3 in cluster E**

Relative: **Higher**
Actual: **46 ft.**

SWEEPS UST:
Status: Not reported
Comp Number: 2346
Number: Not reported
Board Of Equalization: 44-012302
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002346-000001
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 3

Status: Not reported
Comp Number: 2346
Number: Not reported
Board Of Equalization: 44-012302
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002346-000002
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 2346
Number: Not reported
Board Of Equalization: 44-012302
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported

JACK WOOD PLUMBING INC (Continued) **S106927653**

Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002346-000003
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

F25 **WOOD JAMES C TEXACO SERVICE** **EDR Hist Auto** **1020764857**
NE **1205 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.090 mi.
474 ft. **Site 1 of 11 in cluster F**

Relative: EDR Hist Auto
Higher

Actual:
49 ft.

Year:	Name:	Type:
1972	JIM & CRIPS TEXACO SERVICE	Gasoline Service Stations
1973	JIM & CRIPS TEXACO SERVICE	Gasoline Service Stations
1974	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1975	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1976	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1977	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1978	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1979	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1980	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1982	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1983	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations

G26 **KAISER HOSPITAL** **SWEEPS UST** **S106928057**
ESE **25875 S NORMANDIE AVE** **LA Co. Site Mitigation** **N/A**
< 1/8 **LOS ANGELES, CA 90710**
0.092 mi.
484 ft. **Site 1 of 2 in cluster G**

Relative: SWEEPS UST:
Higher

Actual:
46 ft.

Status:	Active
Comp Number:	6737
Number:	9
Board Of Equalization:	Not reported
Referral Date:	04-20-93
Action Date:	04-20-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

KAISER HOSPITAL (Continued) **S106928057**

LA Co. Site Mitigation:
- Facility ID: Not reported
- Status: Not reported
- Site ID: SD0010059
- Jurisdiction: Not reported
- Case ID: RO0000450
- Abated: Yes
- Assigned To: TK
- Entered Date: Not reported
- Abated Date: 03/01/1987

F27 **FRANK COLETTO FORD INC** **SWEEPS UST** **S106926397**
NE **1205 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.095 mi.
501 ft. **Site 2 of 11 in cluster F**

Relative: Higher
Actual: 49 ft.

SWEEPS UST:
- Status: Not reported
- Comp Number: 4752
- Number: Not reported
- Board Of Equalization: Not reported
- Referral Date: Not reported
- Action Date: Not reported
- Created Date: Not reported
- Owner Tank Id: Not reported
- SWRCB Tank Id: Not reported
- Tank Status: Not reported
- Capacity: Not reported
- Active Date: Not reported
- Tank Use: Not reported
- STG: Not reported
- Content: Not reported
- Number Of Tanks: 0

F28 **RITE AID #6413** **RCRA-CESQG** **1014387710**
NE **1207 PACIFIC COAST HWY** **HAZNET** **CAR000212811**
< 1/8 **HARBOR CITY, CA 90710**
0.095 mi.
501 ft. **Site 3 of 11 in cluster F**

Relative: Higher
Actual: 49 ft.

RCRA-CESQG:
- Date form received by agency: 04/14/2017
- Facility name: RITE AID #6413
- Facility address: 1207 PACIFIC COAST HWY
  HARBOR CITY, CA 907100000
- EPA ID: CAR000212811
- Mailing address: HUNTER LN
  CAMP HILL, PA 17011
- Contact: DAVID W CROZIER
- Contact address: HUNTER LN
  CAMP HILL, PA 17011
- Contact country: US
- Contact telephone: (717) 975-8643
- Contact email: EHS@RITEAID.COM
- EPA Region: 09

RITE AID #6413 (Continued) **1014387710**

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: THRIFTY PAYLESS INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/21/2001
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP
Owner/operator address: 30 HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: US
Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 09/01/1962
Owner/Op end date: Not reported

Owner/operator name: 1207 PACIFIC COAST HWY PROPERTIES LLC
Owner/operator address: PO BOX
BEVERLY HILLS, CA 90212
Owner/operator country: US
Owner/operator telephone: (717) 761-2633
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/12/1998
Owner/Op end date: Not reported

Owner/operator name: RITE AID CORP

RITE AID #6413 (Continued) **1014387710**

Owner/operator address: 30 HUNTER LN
CAMP HILL, PA 17011
Owner/operator country: US
Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/1962
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

RITE AID #6413 (Continued) **1014387710**

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

RITE AID #6413 (Continued) **1014387710**

Historical Generators:
Date form received by agency: 01/25/2016
Site name: RITE AID NO 6413
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

RITE AID #6413 (Continued) **1014387710**

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Date form received by agency: 09/15/2014
Site name: RITE AID NO 6413
Classification: Large Quantity Generator

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

RITE AID #6413 (Continued) **1014387710**

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

Date form received by agency: 09/06/2010
Site name: RITE AID 6413
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D016
. Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

RITE AID #6413 (Continued) **1014387710**

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)

Violation Status: No violations found

HAZNET:

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0225
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811

RITE AID #6413 (Continued) **1014387710**

Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Cat Decode:	Off-specification, aged or surplus inorganics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Unspecified solvent mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.012
Cat Decode:	Unspecified solvent mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Pharmaceutical waste
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.009
Cat Decode:	Pharmaceutical waste
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

RITE AID #6413 (Continued) **1014387710**

Click this hyperlink while viewing on your computer to access
48 additional CA_HAZNET: record(s) in the EDR Site Report.

G29 **101 DISPOSAL COMPANY T (KAISER)** **SWF/LF** **S109821604**
SE **25965 S NORMANDIE AVE** **N/A**
< 1/8 **HARBOR CITY (IN LOS ANGELES), CA**
0.096 mi.
509 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
45 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AR-5137
Lat/Long:	33.78814 / -118.29831
Owner Name:	Not reported
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	Not reported
Owner City,St,Zip:	Not reported
Operational Status:	Not reported
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Not reported
Regulation Status:	Not reported
Landuse Name:	Urban,Commercial
GIS Source:	GPS
Category:	Not reported
Unit Number:	Not reported
Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AR-5137
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.78814 / -118.29831

C30 **TRIWEST DISTRIBUTORS, LLC** **UST** **U003781704**
NW **1401 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.099 mi.
522 ft. **Site 2 of 3 in cluster C**

Relative: UST:
Higher
Actual: Facility ID: 25480
49 ft. Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.7909612
Longitude: -118.3001392

C31 **GARY ANDERSON** **SWEEPS UST** **S106926556**
NW **1401 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.099 mi.
522 ft. **Site 3 of 3 in cluster C**

Relative: SWEEPS UST:
Higher
Actual: Status: Not reported
49 ft. Comp Number: 7256
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

D32 **BACK DOOR PRODUCTION** **RCRA-SQG** **1000266359**
WSW **1416 W 259TH STREET** **FINDS** **CAD981674625**
< 1/8 **HAWAIIAN GARDENS, CA 90716** **ECHO**
0.100 mi.
528 ft. **Site 4 of 5 in cluster D**

Relative: RCRA-SQG:
Higher
Date form received by agency: 09/01/1996
Actual: Facility name: BACK DOOR PRODUCTION
48 ft. Facility address: 1416 W 259TH STREET
HAWAIIAN GARDENS, CA 90716
EPA ID: CAD981674625
Mailing address: W 259TH STREET
HAWAIIAN GARDENS, CA 90716
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator

BACK DOOR PRODUCTION (Continued) **1000266359**

Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DONALD GARVEY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002746324

Environmental Interest/Information System

BACK DOOR PRODUCTION (Continued) **1000266359**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000266359
Registry ID: 110002746324
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002746324

D33 **SPACEONICS INDUSTRIES INC** **RCRA-SQG** **1000168899**
West **1429 W 259TH ST** **FINDS** **CAD982358244**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.111 mi.
586 ft. **Site 5 of 5 in cluster D**

Relative:
Higher

Actual:
50 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: SPACEONICS INDUSTRIES INC
Facility address: 1429 W 259TH ST
HARBOR CITY, CA 90710
EPA ID: CAD982358244
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: RICHARD SKAFF
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED

SPACEONICS INDUSTRIES INC (Continued) **1000168899**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/28/1987
Site name: SPACEONICS INDUSTRIES INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002801013

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

SPACEONICS INDUSTRIES INC (Continued) **1000168899**

ECHO:
Envid: 1000168899
Registry ID: 110002801013
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002801013

E34 **DIRO KG INC** **SWEEPS UST** **S106925402**
WNW **1414 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.112 mi.
593 ft. **Site 2 of 3 in cluster E**

Relative:
Higher

Actual:
51 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 7585
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

E35 **DIRO ALFA ROMEO** **RCRA-SQG** **1000324038**
WNW **1414 W PACIFIC COAST HWY** **FINDS** **CAD981445745**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.112 mi. **HAZNET**
593 ft. **Site 3 of 3 in cluster E**

Relative:
Higher

Actual:
51 ft.

RCRA-SQG:
Date form received by agency: 09/15/1986
Facility name: DIRO ALFA ROMEO
Facility address: 1414 W PACIFIC COAST HWY
HARBOR CITY, CA 90710
EPA ID: CAD981445745
Contact: ENVIRONMENTAL MANAGER
Contact address: 1414 W PACIFIC COAST HWY
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-539-5582
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

DIRO ALFA ROMEO (Continued) **1000324038**

Owner/Operator Summary:
- Owner/operator name: NOT REQUIRED
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, ME 99999
- Owner/operator country: Not reported
- Owner/operator telephone: 415-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: THALMANN ROBERT
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, ME 99999
- Owner/operator country: Not reported
- Owner/operator telephone: 415-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002709597

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource

DIRO ALFA ROMEO (Continued) **1000324038**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000324038
Registry ID:	110002709597
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002709597

HAZNET:

envid:	1000324038
Year:	2005
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.56
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000324038
Year:	2005
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.25
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000324038
Year:	2004
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN

DIRO ALFA ROMEO (Continued) **1000324038**

Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Not reported
Tons:	2.29
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000324038
Year:	2003
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Tons:	0.45
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000324038
Year:	2003
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.04
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

F36 **KIMS UNION** **EDR Hist Auto** **1020419490**
ENE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 4 of 11 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: **49 ft.**

Year:	Name:	Type:
1989	KIMS UNION	Gasoline Service Stations
1990	KIMS UNION	Gasoline Service Stations
1991	KIMS UNION	Gasoline Service Stations
1992	KIMS UNION	Gasoline Service Stations
1993	KIMS UNION	Gasoline Service Stations

F37 **CIRCLE K STORES INC. #5619** **UST** **U003939288**
ENE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 5 of 11 in cluster F**

Relative: UST:
Higher

Actual: **49 ft.**

Facility ID:	24181
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	33.7903
Longitude:	-118.29649
Facility ID:	LACt
Permitting Agency:	Los Angeles City Fire Department
Latitude:	33.78976
Longitude:	-118.29706

F38 **SERVICE STATION 2446** **HIST UST** **U001565353**
ENE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 6 of 11 in cluster F**

Relative: HIST UST:
Higher

Actual: **49 ft.**

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000029438
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DUK KUN KIM
Telephone:	2135305323
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0003
Tank Num:	001
Container Num:	2446-1
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED

SERVICE STATION 2446 (Continued) **U001565353**

Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 002
Container Num: 2446-2
Year Installed: 1966
Tank Capacity: 00009940
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

Tank Num: 003
Container Num: 2446-4
Year Installed: 1966
Tank Capacity: 00000280
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor, Pressure Test

F39 **CIRCLE K STORE #5619** **UST** **U004263157**
ENE **1150 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 7 of 11 in cluster F**

Relative: **Higher**
Actual: **49 ft.**

UST:
Facility ID: Not reported
Permitting Agency: Los Angeles City Fire Department
Latitude: 33.78976
Longitude: -118.29706

F40 **K KIM'S UNION STATION 2446** **SWEEPS UST** **S103993467**
ENE **1150 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 8 of 11 in cluster F**

Relative: **Higher**
Actual: **49 ft.**

SWEEPS UST:
Status: Active
Comp Number: 1784
Number: 1
Board Of Equalization: 44-000051
Referral Date: 02-24-93
Action Date: 02-24-93
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-001784-000001
Tank Status: A
Capacity: 12000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

K KIM'S UNION STATION 2446 (Continued) **S103993467**

Status:	Active
Comp Number:	1784
Number:	1
Board Of Equalization:	44-000051
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001784-000002
Tank Status:	A
Capacity:	12000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	1784
Number:	1
Board Of Equalization:	44-000051
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001784-000003
Tank Status:	A
Capacity:	500
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

F41 **76 PRODUCTS STATION #2446** **LUST S102439885**
ENE **1150 PACIFIC COAST HWY** **HIST CORTESE N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 9 of 11 in cluster F**

Relative: **Higher**

Actual: **49 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603743580
Global Id:	T0603743580
Latitude:	33.789756
Longitude:	-118.297053
Status:	Completed - Case Closed
Status Date:	07/28/2011
Case Worker:	MB
RB Case Number:	907100116A
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	29482
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

76 PRODUCTS STATION #2446 (Continued) **S102439885**

LUST:
Global Id: T0603743580
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603743580
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603743580
Action Type: RESPONSE
Date: 02/15/2010
Action: Soil and Water Investigation Report

Global Id: T0603743580
Action Type: RESPONSE
Date: 04/15/2010
Action: Well Installation Report

Global Id: T0603743580
Action Type: RESPONSE
Date: 05/15/2010
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 06/23/2011
Action: Notification - Preclosure

Global Id: T0603743580
Action Type: Other
Date: 03/11/2004
Action: Leak Reported

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 07/28/2011
Action: Closure/No Further Action Letter

Global Id: T0603743580
Action Type: RESPONSE
Date: 03/11/2011
Action: Request for Closure

Global Id: T0603743580

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 10/07/2008
Action: Staff Letter

Global Id: T0603743580
Action Type: Other
Date: 02/19/2004
Action: Leak Discovery

Global Id: T0603743580
Action Type: RESPONSE
Date: 11/07/2008
Action: Other Report / Document

Global Id: T0603743580
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

LUST:
Global Id: T0603743580
Status: Open - Case Begin Date
Status Date: 04/30/1993

Global Id: T0603743580
Status: Open - Site Assessment
Status Date: 04/30/1993

Global Id: T0603743580
Status: Completed - Case Closed
Status Date: 02/19/2004

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Global Id: T0603743580
Status: Open - Remediation
Status Date: 02/03/2010

Global Id: T0603743580
Status: Completed - Case Closed
Status Date: 07/28/2011

Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701596
Global Id: T0603701596
Latitude: 33.78978
Longitude: -118.297052
Status: Completed - Case Closed
Status Date: 11/12/1996
Case Worker: EL
RB Case Number: 907100116
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701596
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701596
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701596
Action Type: Other
Date: 04/30/1993
Action: Leak Reported

Global Id: T0603701596
Action Type: Other
Date: 01/27/1993
Action: Leak Discovery

76 PRODUCTS STATION #2446 (Continued) **S102439885**

LUST:

Global Id:	T0603701596
Status:	Open - Case Begin Date
Status Date:	01/27/1993
Global Id:	T0603701596
Status:	Open - Site Assessment
Status Date:	04/30/1993
Global Id:	T0603701596
Status:	Completed - Case Closed
Status Date:	11/12/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100116	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701596	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	NORMANDIE AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/27/1993	
Date Leak First Reported:		4/30/1993
Date Leak Record Entered:	3/16/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/12/1996
Date the Case was Closed:		11/12/1996
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	OLD CASE #031252	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6501.98977917876315845866729 27
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/30/1993
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TOSCO/76 PRODUCTS TEAM
RP Address: 555 ANTON, COSTA MESA, CA 92626
Program: LUST
Lat/Long: 33.7900814 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907100116

F42 **UNION OIL SERVICE STATION 244** **HIST UST** **1000166662**
ENE **1150 WEST PACIFIC COAST HIGHWA** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 10 of 11 in cluster F**

Relative:
Higher

Actual:
49 ft.

HIST UST:
File Number: 0002833E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002833E.pdf
Region: STATE
Facility ID: 00000056080
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DUK KUN KIM
Telephone: 2135305323
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0001

Tank Num: 001
Container Num: 2446-00
Year Installed: Not reported
Tank Capacity: 00000240
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

Click here for Geo Tracker PDF:

F43 **UNOCAL SERVICE STATION #2446** **HIST UST** **S113008829**
ENE **1150 W PACIFIC COAST HWY** **HAZNET** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.120 mi.
636 ft. **Site 11 of 11 in cluster F**

Relative:
Higher

Actual:
49 ft.

HIST UST:

File Number:	000292C3
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000292C3.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

HAZNET:

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Treatment, Tank
Tons:	.2627
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles
envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported

UNOCAL SERVICE STATION #2446 (Continued) **S113008829**

TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	.4170
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	.2502
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD982484933
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Disposal, Other
Tons:	.1750
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

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44 **BAY MARINE** **SWEEPS UST** **S101585874**
SW **1400 W 260TH ST** **CA FID UST** **N/A**
1/8-1/4 **TORRANCE, CA 90710**
0.137 mi.
723 ft.

Relative: **Higher**

Actual: **49 ft.**

SWEEPS UST:

Status:	Not reported
Comp Number:	5480
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported

BAY MARINE (Continued) **S101585874**

Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19032024
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2135340919
Mail To:	Not reported
Mailing Address:	1400 W 228TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TORRANCE 907100000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

---

45 **SILVER STAR MERCEDES** **RCRA-SQG** **1000430736**
WNW **1433 PACIFIC COAST HWY** **FINDS** **CAD981444912**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.150 mi.
794 ft.

Relative:
Higher

Actual:
61 ft.

RCRA-SQG:

Date form received by agency:	09/10/1986
Facility name:	SILVER STAR MERCEDES
Facility address:	1433 PACIFIC COAST HWY HARBOR CITY, CA 90710
EPA ID:	CAD981444912
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1433 PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-0593
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

SILVER STAR MERCEDES (Continued) **1000430736**

Owner/Operator Summary:

Owner/operator name:	SCHWARZ GERHARD
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002709052

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource

SILVER STAR MERCEDES (Continued) **1000430736**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000430736
Registry ID:	110002709052
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002709052

H46 **CITY INDUSTRIAL TOOL AND DIE** **RCRA-SQG** **1004677954**
North **25524 FRAMPTON** **FINDS** **CAR000103374**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.157 mi. **HAZNET**
828 ft. **Site 1 of 3 in cluster H**

Relative: Lower

Actual: 43 ft.

RCRA-SQG:

Date form received by agency:	08/17/2001
Facility name:	CITY INDUSTRIAL TOOL AND DIE
Facility address:	25524 FRAMPTON HARBOR CITY, CA 90710
EPA ID:	CAR000103374
Contact:	GLORIA FAY
Contact address:	25524 FRAMPTON HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-530-1234
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CITY INDUSTRIAL TOOL AND DIE
Owner/operator address:	25524 FRAMPTON HARBOR CITY, CA 90710
Owner/operator country:	Not reported
Owner/operator telephone:	310-530-1234
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

CITY INDUSTRIAL TOOL AND DIE (Continued) **1004677954**

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012240119

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1004677954
Registry ID: 110012240119
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012240119

HAZNET:
envid: 1004677954
Year: 2011
GEPAID: CAR000103374
Contact: STEVE KULJIS / OWNER
Telephone: 3105301234
Mailing Name: Not reported
Mailing Address: 25524 Frampton
Mailing City,St,Zip: Harbor City, CA 907100000
Gen County: Not reported

CITY INDUSTRIAL TOOL AND DIE (Continued) **1004677954**

TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1004677954
Year:	2009
GEPAID:	CAR000103374
Contact:	STEVE KULJIS / OWNER
Telephone:	3105301234
Mailing Name:	Not reported
Mailing Address:	25524 Frampton
Mailing City,St,Zip:	Harbor City, CA 90710
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.722
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1004677954
Year:	2001
GEPAID:	CAR000103374
Contact:	STEVE KULJIS / OWNER
Telephone:	3105301234
Mailing Name:	Not reported
Mailing Address:	25524 Frampton
Mailing City,St,Zip:	Harbor City, CA 90710
Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.83
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

I47 **MR DRYCLEAN** **DRYCLEANERS** **S121699077**
NE **1111 W PACIFIC COAST HWY #18** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.159 mi.
841 ft. **Site 1 of 2 in cluster I**

Relative: DRYCLEAN SOUTH COAST:
Higher

Facility ID:	65405
Application Number:	181428
Permit Number:	D06530
Status:	I

Actual:
51 ft.

MR DRYCLEAN (Continued) **S121699077**

Representative Name:	RAMESH PATEL
Representative Telephone:	213 5392805
Permit Status:	EXPIRED
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

H48 **DE CUIR MACH INC** **RCRA-SQG 1000152910**
North **25520 FRAMPTON AVE** **FINDS CAD982349938**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.165 mi.
869 ft. **Site 2 of 3 in cluster H**

Relative:
Lower

Actual:
42 ft.

RCRA-SQG:

Date form received by agency:	04/10/1997
Facility name:	DE CUIR MACH INC
Facility address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
EPA ID:	CAD982349938
Contact:	FRED WESTLAND
Contact address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-539-4651
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DE CUIR MACH INC
Owner/operator address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
Owner/operator country:	Not reported
Owner/operator telephone:	310-539-4651
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private

DE CUIR MACH INC (Continued) **1000152910**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002799286

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000152910
Registry ID: 110002799286
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002799286

J49 **H & H CUSTOM BODY** **RCRA-SQG** **1000455498**
NNE **25603 S NORMANDIE** **FINDS** **CAD982495517**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.171 mi. **HAZNET**
903 ft. **Site 1 of 4 in cluster J**

Relative: Higher
Actual: 49 ft.

RCRA-SQG:
Date form received by agency: 08/06/1990
Facility name: H & H CUSTOM BODY
Facility address: 25603 S NORMANDIE
HARBOR CITY, CA 90710
EPA ID: CAD982495517
Mailing address: S NORMANDIE

H & H CUSTOM BODY (Continued) **1000455498**

HARBOR CITY, CA 90710
Contact: ENVIRONMENTAL MANAGER
Contact address: 25603 S NORMANDIE
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-926-3002
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SAM HERNANDEZ
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

H & H CUSTOM BODY (Continued) **1000455498**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002831259

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000455498
Registry ID: 110002831259
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002831259

HAZNET:
envid: 1000455498
Year: 1993
GEPAID: CAD982495517
Contact: SAM HERNANDEZ
Telephone: 4155551212
Mailing Name: Not reported
Mailing Address: 25603 S NORMANDIE
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.1459
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

H50 **MOTORSPORT TECHOLOGY** **RCRA NonGen / NLR** **1000341897**
North **25518 FRAMPTON** **FINDS** **CAD982349995**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.176 mi.
927 ft. **Site 3 of 3 in cluster H**

Relative:
Lower

Actual:
43 ft.

RCRA NonGen / NLR:
Date form received by agency: 10/21/1987
Facility name: MOTORSPORT TECHOLOGY
Facility address: 25518 FRAMPTON
HARBOR CITY, CA 90710
EPA ID: CAD982349995

MOTORSPORT TECHOLOGY (Continued) **1000341897**

Mailing address:	FRAMPTON HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25518 FRAMPTON HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-534-0969
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	VELLOZZI MARTIN
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

MOTORSPORT TECHOLOGY (Continued) **1000341897**

Violation Status: No violations found

FINDS:

Registry ID: 110002799339

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000341897
Registry ID: 110002799339
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002799339

I51 **MR DRY CLEAN** **RCRA-SQG** **1000597580**
NE **1111 PCH UNIT 8** **FINDS** **CAD983615956**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.179 mi.
943 ft. **Site 2 of 2 in cluster I**

Relative:
Higher

Actual:
47 ft.

RCRA-SQG:
Date form received by agency: 01/13/1992
Facility name: MR DRY CLEAN
Facility address: 1111 PCH UNIT 8
HARBOR CITY, CA 90710
EPA ID: CAD983615956
Mailing address: PCH UNIT EIGHTH
HARBOR CITY, CA 90710
Contact: HEE PARK
Contact address: 1111 PCH UNIT EIGHTH
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-539-2805
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HEE PARK
Owner/operator address: 1111 PCH UNIT 8
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 213-539-2805

MR DRY CLEAN (Continued) **1000597580**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002866710

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000597580
Registry ID: 110002866710
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002866710

J52 **HARBOR IMP CAR CARE** **RCRA-SQG** **1000164298**
NNE **25601 NORMANDIE** **FINDS** **CAD981684111**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.179 mi.
945 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
51 ft.

RCRA-SQG:

Date form received by agency:	10/17/1986
Facility name:	HARBOR IMP CAR CARE
Facility address:	25601 NORMANDIE HARBOR CITY, CA 90710
EPA ID:	CAD981684111
Mailing address:	NORMANDIE HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25601 NORMANDIE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-9357
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DAVE SMITH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

HARBOR IMP CAR CARE (Continued) **1000164298**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002751451

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000164298
Registry ID:	110002751451
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002751451

53
West
1/8-1/4
0.182 mi.
961 ft.

E C M INC
1515 W 259TH ST
HARBOR CITY, CA 90710

RCRA-SQG **1000122888**
FINDS **CAD982019697**
ECHO
HAZNET

Relative:
Higher

Actual:
64 ft.

RCRA-SQG:

Date form received by agency:	07/31/1987
Facility name:	E C M INC
Facility address:	1515 W 259TH ST HARBOR CITY, CA 90710
EPA ID:	CAD982019697
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1515 W SECOND HUNDRED FIFTY NI HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-3456
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

E C M INC (Continued) **1000122888**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	W KIRCHOFF
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002777987

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART)

E C M INC (Continued) **1000122888**

provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000122888
Registry ID:	110002777987
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002777987

HAZNET:

envid:	1000122888
Year:	2007
GEPAID:	CAD982019697
Contact:	CRAIG CARLSON
Telephone:	3105303456
Mailing Name:	Not reported
Mailing Address:	1515 W 259TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907103328
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.1
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000122888
Year:	2006
GEPAID:	CAD982019697
Contact:	CRAIG CARLSON
Telephone:	3105303456
Mailing Name:	Not reported
Mailing Address:	1515 W 259TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907103328
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	0.17
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

E C M INC (Continued) **1000122888**

envid: 1000122888
Year: 2005
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000122888
Year: 2004
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000122888
Year: 2004
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD003963592
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Recycler
Tons: 0.54
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
12 additional CA_HAZNET: record(s) in the EDR Site Report.

54
ESE
1/8-1/4
0.183 mi.
965 ft.

K & S RUBBISH
26300 SOUTH VERMONT
WILMINGTON, CA

WMUDS/SWAT

S103441495
N/A

Relative:
Lower

Actual:
32 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	K & S RUBBISH
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	K & S RUBBISH
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190250NUR
Solid Waste Information ID:	Not reported

J55 **FIBRE GLASS FIN CO** **RCRA-SQG** **1000355028**
NNE **1223 W 256TH ST** **HAZNET** **CAD981620107**
1/8-1/4 **HARBOR CITY, CA 90710**
0.190 mi.
1003 ft. **Site 3 of 4 in cluster J**

Relative: Higher

Actual: 48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	FIBRE GLASS FIN CO
Facility address:	1223 W 256TH ST HARBOR CITY, CA 90710
EPA ID:	CAD981620107
Mailing address:	W 256TH ST HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	MICHAEL G STAVRUS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

FIBRE GLASS FIN CO (Continued) **1000355028**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

HAZNET:

envid:	1000355028
Year:	2004
GEPAID:	CAD981620107
Contact:	NON-DELIVERABLE 4/94 FEE FORM
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1223 W 256TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.73
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000355028
Year:	2003
GEPAID:	CAD981620107
Contact:	NON-DELIVERABLE 4/94 FEE FORM
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1223 W 256TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	1.5
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000355028
Year:	2002
GEPAID:	CAD981620107
Contact:	NON-DELIVERABLE 4/94 FEE FORM
Telephone:	--

FIBRE GLASS FIN CO (Continued) **1000355028**

Mailing Name:	Not reported
Mailing Address:	1223 W 256TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Not reported
Tons:	0.22
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000355028
Year:	2002
GEPAID:	CAD981620107
Contact:	NON-DELIVERABLE 4/94 FEE FORM
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1223 W 256TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	1.37
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000355028
Year:	2001
GEPAID:	CAD981620107
Contact:	NON-DELIVERABLE 4/94 FEE FORM
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1223 W 256TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.91
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

K56 **KAISER PERMANENTE MEDICAL CENTER** **ENVIROSTOR** **1004442884**
East **25825 S VERMONT AVE** **HIST UST** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710** **FINDS**
0.196 mi. **EMI**
1034 ft. **Site 1 of 2 in cluster K** **LA Co. Site Mitigation**

Relative:
Lower

Actual:
40 ft.

ENVIROSTOR:

Facility ID:	71002808
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.78904
Longitude:	-118.2940
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD981396716
Alias Type:	EPA Identification Number
Alias Name:	71002808
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST UST:

File Number:	0002729C
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002729C.pdf
Region:	Not reported

KAISER PERMANENTE MEDICAL CENTER (Continued) **1004442884**

Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110011653816

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	43522
Air District Name:	SC
SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Year:	2013
County Code:	19

KAISER PERMANENTE MEDICAL CENTER (Continued) **1004442884**

Air Basin:	SC
Facility ID:	43522
Air District Name:	SC
SIC Code:	8060
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.69732896018
Reactive Organic Gases Tons/Yr:	0.40317
Carbon Monoxide Emissions Tons/Yr:	2.86461
NOX - Oxides of Nitrogen Tons/Yr:	1.37489
SOX - Oxides of Sulphur Tons/Yr:	0.02059
Particulate Matter Tons/Yr:	4.05677
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.92862482

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	43522
Air District Name:	SC
SIC Code:	8011
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.118864719
Reactive Organic Gases Tons/Yr:	0.76389
Carbon Monoxide Emissions Tons/Yr:	1.6479
NOX - Oxides of Nitrogen Tons/Yr:	0.86785
SOX - Oxides of Sulphur Tons/Yr:	0.01707
Particulate Matter Tons/Yr:	3.47886
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5066368

LA Co. Site Mitigation:

Facility ID:	FA0028007
Status:	Not reported
Site ID:	SD0010042
Jurisdiction:	Not reported
Case ID:	RO0010042
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	Not reported
Abated Date:	03/11/2003

K57 **KAISER PERMANENTE SOUTH BAY MEDICAL CENTER** **RCRA-LQG 1007199252**
East **25825 S VERMONT AVE** **PADS CAD981396716**
1/8-1/4 **HARBOR CITY, CA 90710**
0.196 mi.
1034 ft. **Site 2 of 2 in cluster K**

Relative: RCRA-LQG:
Lower

Date form received by agency:	06/01/2016
Facility name:	KAISER PERMANENTE SOUTH BAY MEDICAL CENTER
Facility address:	25825 S VERMONT AVE HARBOR CITY, CA 90710
EPA ID:	CAD981396716
Mailing address:	S VERMONT AVE HARBOR CITY, CA 90710

Actual:
40 ft.

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Contact:	ROBERT S MAREK
Contact address:	S VERMONT AVE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-517-2388
Contact email:	ROBERT.S.MAREK@KP.ORG
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	KAISER FOUNDATION HOSPITAL
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1956
Owner/Op end date:	Not reported

Owner/operator name:	KAISER FOUNDATION HOSPITAL INC
Owner/operator address:	KAISER PLAZA OAKLAND, CA 94612
Owner/operator country:	US
Owner/operator telephone:	310-517-6471
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1956
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 511
. Waste name: Empty pesticide containers 30 gallons or more

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, & SALTS

. Waste code: P081
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR) MITOMYCIN C

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

. Waste code: U058
. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-, 2-OXIDE (OR) CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: 5,12-NAPHTHACENEDIONE, 8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-7,8,9,10-TETRAHYDRO-6,8,11-TRIHYDROXY-1-METHOXY-, (8S-CIS)- (OR) DAUNOMYCIN

. Waste code: U150
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Historical Generators:
Date form received by agency: 06/20/1991
Site name: KAISER FOUND HLTH
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 5427

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 161

Waste code: D008
Waste name: LEAD
Amount (Lbs): 200

Waste code: D011
Waste name: SILVER
Amount (Lbs): 43

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 450

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 4286

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 4

Waste code: P075
Waste name: NICOTINE, & SALTS
Amount (Lbs): 4

Waste code: P081
Waste name: NITROGLYCERINE (R)
Amount (Lbs): 4

Waste code: U002
Waste name: ACETONE (I)
Amount (Lbs): 4

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs): 754

Waste code: U035

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs): 750

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE
Amount (Lbs): 750

Waste code: U059
Waste name: DAUNOMYCIN
Amount (Lbs): 750

Waste code: U150
Waste name: MELPHALAN
Amount (Lbs): 750

Violation Status: No violations found

PADS:
EPAID: CAD981396716
Facility name: KAISER PERMANENTE
Facility Address: 25825 SO. VERMONT AVE
HARBOR CITY, CA 90710
Facility country: US
Generator: No
Storer: No
Transporter: No
Disposer: Yes
Research facility: No
Smelter: No
Facility owner name: KAISER PERMANENTE
Contact title: PROJECT SUPERINTENDENT
Contact name: ROY HABLITZ
Contact tel: 9493556216
Contact extension: Not reported
Mailing address: 25805-B SOUTH NORMANDIE AVE
HARBOR CITY, CA 90710
Mailing country: US
Cert. title: SENIOR PROJECT MANAGER
Cert. name: FRANCESCO PORCELLA
Cert. date: 02/23/2016
Date received: 11/17/2015

J58 **JAMES J LIPPEN** **SWEEPS UST** **S106927703**
NNE **25517 S NORMANDIE AVE** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.207 mi.
1094 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
49 ft.

SWEEPS UST:
Status: Not reported
Comp Number: 4751
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

JAMES J LIPPEN (Continued) **S106927703**

SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

---

59 **MTEC** **RCRA-SQG** **1000165601**
North **2551 FRAMPTON** **FINDS** **CAD981676836**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.210 mi.
1108 ft.

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	10/06/1986
Facility name:	MTEC
Facility address:	2551 FRAMPTON HARBOR CITY, CA 90710
EPA ID:	CAD981676836
Mailing address:	25518 FRAMPTON HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	2551 FRAMPTON HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	415-555-1212
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	TERRY S WILLIAMS
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

MTEC (Continued) **1000165601**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002747387

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000165601
Registry ID: 110002747387
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002747387

L60 **AAMCO** **UST** **U003781286**
WNW **1520 PACIFIC COAST HWY** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.212 mi.
1117 ft. **Site 1 of 2 in cluster L**

Relative: UST:
Higher Facility ID: 24964
Permitting Agency: LOS ANGELES, CITY OF
Actual: Latitude: 33.7905565
73 ft.

AAMCO (Continued) **U003781286**

Longitude: -118.3022234

L61 **AAMCO** **SWEEPS UST** **S104577340**
WNW **1520 W PACIFIC COAST HWY** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.212 mi.
1117 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
73 ft.

SWEEPS UST:

Status:	Active
Comp Number:	5063
Number:	3
Board Of Equalization:	Not reported
Referral Date:	03-30-93
Action Date:	03-30-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

---

62 **LA CITY HOUSING AUTHORITY** **RCRA-SQG** **1000172454**
NE **990 W 256 ST** **FINDS** **CAD981690373**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.237 mi.
1253 ft.

Relative:
Higher

Actual:
52 ft.

RCRA-SQG:

Date form received by agency:	11/24/1986
Facility name:	LA CITY HOUSING AUTHORITY
Facility address:	990 W 256 ST HARBOR CITY, CA 90710
EPA ID:	CAD981690373
Mailing address:	W 256 ST HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	990 W 256 ST HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-326-2175
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED

LA CITY HOUSING AUTHORITY (Continued) **1000172454**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LA HOUSING AUTHORITY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002754207

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LA CITY HOUSING AUTHORITY (Continued) **1000172454**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000172454
Registry ID: 110002754207
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002754207

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63 West 1/8-1/4 0.238 mi. 1257 ft.

PORT FLOW **RCRA-SQG** **1000246434**
1583 W 259TH ST **CAD982012908**
HARBOR CITY, CA 90710

Relative: Higher

Actual: 73 ft.

RCRA-SQG:
Date form received by agency: 07/19/2000
Facility name: PORT FLOW
Facility address: 1583 W 259TH ST
HARBOR CITY, CA 90710
EPA ID: CAD982012908
Contact: THOMAS FUJITA
Contact address: 1583 W 259TH ST
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 310-257-0351
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PORT FLOW
Owner/operator address: 1583 W 259TH ST
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 310-257-0351
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported

PORT FLOW (Continued) **1000246434**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

64
SSE
1/8-1/4
0.241 mi.
1271 ft.

KAISER PERMANENTE
25965 S NORMANDIE AVE
HARBOR CITY, CA 90710

RCRA-SQG **1001231411**
FINDS **CAR000044842**
ECHO
HAZNET

Relative:
Lower

Actual:
43 ft.

RCRA-SQG:
Date form received by agency: 09/29/1998
Facility name: KAISER PERMANENTE
Facility address: 25965 S NORMANDIE AVE
HARBOR CITY, CA 90710
EPA ID: CAR000044842
Contact: ROBERT MAREK
Contact address: 25825 VERMONT AVE
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 310-517-2309
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KAISER PERMANENTE

KAISER PERMANENTE (Continued) **1001231411**

Owner/operator address: 25825 VERMONT AVE
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 310-517-2740
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110002924765

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001231411
Registry ID: 110002924765
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002924765

KAISER PERMANENTE (Continued) **1001231411**

HAZNET:

envid:	1001231411
Year:	2013
GEPAID:	CAR000044842
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	25965 S NORMANDIE AVE
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Not reported
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.741
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Not reported

envid:	1001231411
Year:	2003
GEPAID:	CAR000044842
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	25965 S NORMANDIE AVE
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other organic solids
Disposal Method:	Disposal, Land Fill
Tons:	0.42
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1001231411
Year:	2003
GEPAID:	CAR000044842
Contact:	--
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	25965 S NORMANDIE AVE
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAT080033681
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Treatment, Incineration
Tons:	0.03
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid: 1001231411

KAISER PERMANENTE (Continued) **1001231411**

Year:	1999
GEPAID:	CAR000044842
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	25965 S NORMANDIE AVE
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD000013493
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Not reported
Tons:	.0150
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

---

65 **ACCU-COAT PROCESS CO** **RCRA-SQG 1000423937**
NNE **1233 W 255 ST** **FINDS CAT000611012**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.245 mi.
1292 ft.

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	ACCU-COAT PROCESS CO
Facility address:	1233 W 255 ST HARBOR CITY, CA 90710
EPA ID:	CAT000611012
Mailing address:	1233 W. SECOND HUNDRED FIFTY F HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported

ACCU-COAT PROCESS CO (Continued) **1000423937**

Owner/Op end date: Not reported

Owner/operator name: SABEMA CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/06/1980
Site name: ACCU-COAT PROCESS CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002942709

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

ACCU-COAT PROCESS CO (Continued) **1000423937**

Envid: 1000423937
Registry ID: 110002942709
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002942709

66
SSW
1/4-1/2
0.257 mi.
1355 ft.

COLLIER CARBON & CHEMICAL **HIST CORTESE** **S105027429**
1480 ANAHEIM **N/A**
WILMINGTON, CA 90744

Relative:
Higher

Actual:
72 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19281005

67
SW
1/4-1/2
0.270 mi.
1428 ft.

TRANS WORLD OIL CORPORATI **HIST CORTESE** **S102439202**
1532 ANAHEIM **N/A**
LONG BEACH, CA

Relative:
Higher

Actual:
77 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908061043

68
SSE
1/4-1/2
0.309 mi.
1631 ft.

MACHADO LAKE **ENVIROSTOR** **S111022969**
25820 VERMONT AVENUE **VCP** **N/A**
HARBOR CITY, CA 90710

Relative:
Lower

Actual:
17 ft.

ENVIROSTOR:
Facility ID: 60001470
Status: Active
Status Date: 05/15/2014
Site Code: 900247
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 291
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Sue Hakim
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 66
Senate: 35
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 33.79288

MACHADO LAKE (Continued) **S111022969**

Longitude: -118.2907
APN: NONE SPECIFIED
Past Use: LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC: DDD DDE DDT Polynuclear aromatic hydrocarbons (PAHs Silver Aluminum Antimony and compounds Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds Iron PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Selenium Titanium Zinc
Confirmed COC: DDD DDE DDT Titanium Polynuclear aromatic hydrocarbons (PAHs Aluminum Antimony and compounds PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Selenium Cadmium and compounds Chromium III Chromium VI Copper and compounds Zinc Iron Cobalt Silver
Potential Description: OTH, SOIL, SURFW
Alias Name: 401557
Alias Type: Project Code (Site Code)
Alias Name: 900247
Alias Type: Project Code (Site Code)
Alias Name: 60001470
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2012
Comments: the amendment to extend this contract to 06/30/2013 was fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual Cost Estimate letter completed on 10/31//2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/18/2012
Comments: DTSC approved the revised Remedial Investigation Work Plan on 3/27/2012 DTSC will deactivate this project in our database for the time being, until we hear back from the City of LA that the Ken Malloy Harbor Regional Park Former Disposal Site is back on track to resume the proposed work, then we ll re-activate it. Thank you all for your help in updating me on the status of this project. Sue Hakim, M.S. Remedial Project Manager Brownfields and Environmental Restoration Program Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630 Phone:(714) 484-5381 soad.hakim@dtsc.ca.gov From: Julie Allen [mailto:julie.allen@lacity.org] Sent: Thursday, October 18, 2012 11:18 AM To: Hakim, Soad@DTSC Cc: Bache, Stephanie; Senga, Robert@DTSC; Kourda, Dina@DTSC; Thompson, Jennifer K.; Gratwick, Stephen; Katherine Doherty; David Attaway Subject: Re: Ken Malloy Harbor Regional Park Former Disposal Site (Machado Lake) For

MACHADO LAKE (Continued) **S111022969**

clarification, I am the City of Los Angeles project manager for the Machado Lake Rehabilitation Project, which will be in construction beginning in 2013. This project includes improvements to the lake and other areas at the Ken Malloy Harbor Regional Park, but does not include any work related to the former disposal site. The disposal site area will not be impacted by the construction project. From my understanding, a Work Plan related to testing at the disposal site was prepared and reviewed by DTSC, but the implementation of the Work Plan is not part of the scope of this project. The park is under the ownership of the City of Los Angeles Department of Recreation and Parks (RAP). The contact person for RAP is David Attaway, whom I have copied on this email. It is not anticipated that RAP will be performing any work related to the former disposal site while the Lake Rehabilitation construction project is in progress, which is expected to end in 2016. Please let me know if I can be of any further assistance. Thank you, Julie Allen, PE Senior Construction Engineer/PM II Proposition O Clean Water Bond Program Bureau of Engineering 1149 S. Broadway, 6th Floor Los Angeles, CA 90015 213-485-1454 (phone)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/30/2013
Comments: DTSC Submitted Annual Cost Estomate Letter and REW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/12/2013
Comments: Fully Executed Standard Agreement Amendment

Completed Area Name: PROJECT WIDE

MACHADO LAKE (Continued) **S111022969**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 05/15/2014
Comments: 2014-2015 REW and Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2014
Comments: Reimbursement Agreement #10-T1135 Amendment # 3

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 01/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/02/2011
Comments: Reimbursement Agreement fully executed.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2018

MACHADO LAKE (Continued) **S111022969**

Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2018
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

VCP:

Facility ID:	60001470
Site Type:	Voluntary Cleanup
Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	291
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Sue Hakim
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Site Code:	900247
Assembly:	66
Senate:	35
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	05/15/2014
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.79288 / -118.2907
APN:	NONE SPECIFIED
Past Use:	LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC:	30006, 30007, 30008, 30019, 30021, 30047, 30058, 30108, 30152, 30153, 30154, 30156, 30335, 30470, 30515, 30549, 30594
Confirmed COC:	30006,30007,30008,30549,30019,30047,30058,30470,30515,30108,30152, 30153,30156,30594,30335,30154,30021
Potential Description:	OTH, SOIL, SURFW
Alias Name:	401557
Alias Type:	Project Code (Site Code)
Alias Name:	900247
Alias Type:	Project Code (Site Code)
Alias Name:	60001470
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/26/2012
Comments:	the amendment to extend this contract to 06/30/2013 was fully executed.

MACHADO LAKE (Continued) **S111022969**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual Cost Estimate letter completed on 10/31//2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/18/2012
Comments: DTSC approved the revised Remedial Investigation Work Plan on 3/27/2012 DTSC will deactivate this project in our database for the time being, until we hear back from the City of LA that the Ken Malloy Harbor Regional Park Former Disposal Site is back on track to resume the proposed work, then we ll re-activate it. Thank you all for your help in updating me on the status of this project. Sue Hakim, M.S. Remedial Project Manager Brownfields and Environmental Restoration Program Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630 Phone:(714) 484-5381 soad.hakim@dtsc.ca.gov From: Julie Allen [mailto:julie.allen@lacity.org] Sent: Thursday, October 18, 2012 11:18 AM To: Hakim, Soad@DTSC Cc: Bache, Stephanie; Senga, Robert@DTSC; Kourda, Dina@DTSC; Thompson, Jennifer K.; Gratwick, Stephen; Katherine Doherty; David Attaway Subject: Re: Ken Malloy Harbor Regional Park Former Disposal Site (Machado Lake) For clarification, I am the City of Los Angeles project manager for the Machado Lake Rehabilitation Project, which will be in construction beginning in 2013. This project includes improvements to the lake and other areas at the Ken Malloy Harbor Regional Park, but does not include any work related to the former disposal site. The disposal site area will not be impacted by the construction project. From my understanding, a Work Plan related to testing at the disposal site was prepared and reviewed by DTSC, but the implementation of the Work Plan is not part of the scope of this project. The park is under the ownership of the City of Los Angeles Department of Recreation and Parks (RAP). The contact person for RAP is David Attaway, whom I have copied on this email. It is not anticipated that RAP will be performing any work related to the former disposal site while the Lake Rehabilitation construction project is in progress, which is expected to end in 2016. Please let me know if I can be of any further assistance. Thank you, Julie Allen, PE Senior Construction Engineer/PM II Proposition O Clean Water Bond Program Bureau of Engineering 1149 S. Broadway, 6th Floor Los Angeles, CA 90015 213-485-1454 (phone)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/29/2015
Comments: Not reported

MACHADO LAKE (Continued) **S111022969**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/30/2013
Comments: DTSC Submitted Annual Cost Estomate Letter and REW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/12/2013
Comments: Fully Executed Standard Agreement Amendment

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 05/15/2014
Comments: 2014-2015 REW and Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 01/22/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2014
Comments: Reimbursement Agreement #10-T1135 Amendment # 3

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form

MACHADO LAKE (Continued) **S111022969**

Completed Date:	01/07/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Post HARP Form
Completed Date:	02/12/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	11/12/2014
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/18/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/02/2011
Comments:	Reimbursement Agreement fully executed.
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	CEQA - Notice of Exemption
Future Due Date:	2018
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2019
Future Area Name:	PROJECT WIDE
Future Sub Area Name:	Not reported
Future Document Type:	Removal Action Workplan
Future Due Date:	2018
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M69 **TALENT METAL PRODUCTS** **RCRA-SQG** **1000208642**
NNE **1234 W 254TH ST** **LUST** **CAD008480980**
1/4-1/2 **HARBOR CITY, CA 90710** **HIST UST**
0.312 mi.
1646 ft. **Site 1 of 2 in cluster M**

Relative: **Higher**
Actual: **50 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	TALENT METAL PRODUCTS
Facility address:	1234 W 254TH ST HARBOR CITY, CA 90710
EPA ID:	CAD008480980
Contact:	Not reported

TALENT METAL PRODUCTS (Continued) **1000208642**

Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SABEMA CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

TALENT METAL PRODUCTS (Continued) **1000208642**

Historical Generators:
Date form received by agency: 09/01/1996
Site name: TALENT METAL PRODUCTS
Classification: Small Quantity Generator

Date form received by agency: 08/06/1980
Site name: TALENT METAL PRODUCTS
Classification: Large Quantity Generator

Violation Status: No violations found

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000003267
Global Id: T10000003267
Latitude: 33.7934857406144
Longitude: -118.297970294952
Status: Completed - Case Closed
Status Date: 07/11/2016
Case Worker: AT
RB Case Number: 907100189
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:
Global Id: T10000003267
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

LUST:
Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 10/21/2011
Action: Staff Letter

Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 07/11/2016
Action: Closure/No Further Action Letter

Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 09/19/2011
Action: Referral to Regional Board

Global Id: T10000003267
Action Type: ENFORCEMENT

TALENT METAL PRODUCTS (Continued) **1000208642**

Date: 05/04/2016
Action: Notification - Preclosure

LUST:
Global Id: T10000003267
Status: Open - Case Begin Date
Status Date: 09/19/2011

Global Id: T10000003267
Status: Open - Site Assessment
Status Date: 09/19/2011

Global Id: T10000003267
Status: Open - Eligible for Closure
Status Date: 05/04/2016

Global Id: T10000003267
Status: Completed - Case Closed
Status Date: 07/11/2016

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000046990
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: ANDY DETHLEFF
Telephone: 2133256900
Owner Name: TALENT METAL PRODUCTS
Owner Address: 1234 W. 254TH ST.
Owner City,St,Zip: HARBOR CITY, CA 90710
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

M70 **BUMPERLINE/SABEMA** **ENVIROSTOR** **S103626302**
NNE **1234 W. 254TH STREET** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.312 mi.
1646 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
50 ft.

ENVIROSTOR:
Facility ID: 71003661
Status: Refer: RWQCB
Status Date: 09/19/2011
Site Code: 300845
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit

BUMPERLINE/SABEMA (Continued) **S103626302**

Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.79375
Longitude: -118.2979
APN: NONE SPECIFIED
Past Use: METAL PLATING - CHROME
Potential COC: Tetrachloroethylene (PCE TPH-gas Chromium VI
Confirmed COC: Tetrachloroethylene (PCE TPH-gas Chromium VI
Potential Description: SOIL
Alias Name: CAD008480980
Alias Type: EPA Identification Number
Alias Name: 300845
Alias Type: Project Code (Site Code)
Alias Name: 71003661
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other
Completed Date: 09/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/31/2006
Comments: Not reported

BUMPERLINE/SABEMA (Continued) **S103626302**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Workplan
Completed Date:	03/30/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/24/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/22/2002
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

71
SSE
1/4-1/2
0.317 mi.
1676 ft.

K&S RUBBISH AKA KEN MALLOY REGIONAL PARK **SWF/LF** **S109821514**
ANAHEIM ST. NEAR VERMONT AVE. **N/A**
HARBOR CITY (IN LOS ANGELES), CA

Relative:
Lower

Actual:
43 ft.

SWF/LF (SWIS):

Region:	STATE
Facility ID:	19-AR-5154
Lat/Long:	33.78346 / -118.29714
Owner Name:	Not reported
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	Not reported
Owner City,St,Zip:	Not reported
Operational Status:	Not reported
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Not reported
Regulation Status:	Not reported
Landuse Name:	Park,Commercial
GIS Source:	GPS
Category:	Not reported
Unit Number:	Not reported

K&S RUBBISH AKA KEN MALLOY REGIONAL PARK (Continued) **S109821514**

Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AR-5154
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.78346 / -118.29714

N72 **HARBOR CITY MEDICAL CENTER** **LUST** **S106116194**
ENE **25825 VERMONT AVE.** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.333 mi.
1759 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**

Actual: **27 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100161	
Status:	Leak being confirmed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603797590	
W Global ID:	Not reported	
Staff:	CEC	
Local Agency:	19050	
Cross Street:	NORMANDIE AVE.	
Enforcement Type:	SEL	
Date Leak Discovered:	1/1/1996	
Date Leak First Reported:		6/12/2003
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	6/12/2003	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported

HARBOR CITY MEDICAL CENTER (Continued) **S106116194**

Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	4/10/2003
Hist Max MTBE Conc in Groundwater:	0
Hist Max MTBE Conc in Soil:	0
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	ND
Soil Qualifier:	ND
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	RICHARD MURILLO
RP Address:	12200 BELLFLOWER BLVD.
Program:	LUST
Lat/Long:	0 / 0
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

N73 **KAISER FONDATION HOSPITALS** **LUST** **1001614020**
ENE **25825 SOUTH VERMONT AVENUE** **CPS-SLIC** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710** **NPDES**
0.333 mi. **CIWQS**
1759 ft. **Site 2 of 2 in cluster N**

Relative: **Lower**
Actual: **27 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603797590
Global Id:	T0603797590
Latitude:	33.78879
Longitude:	-118.294057
Status:	Completed - Case Closed
Status Date:	08/12/2004
Case Worker:	CET
RB Case Number:	907100161
Local Agency:	LOS ANGELES, CITY OF
File Location:	Local Agency
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603797590
Contact Type:	Regional Board Caseworker
Contact Name:	CHANDRA TYLER
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	cetyler@waterboards.ca.gov
Phone Number:	Not reported

Global Id:	T0603797590

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 08/12/2004
Action: Closure/No Further Action Letter

Global Id: T0603797590
Action Type: Other
Date: 01/01/1996
Action: Leak Discovery

Global Id: T0603797590
Action Type: RESPONSE
Date: 08/15/2003
Action: Other Report / Document

Global Id: T0603797590
Action Type: Other
Date: 06/12/2003
Action: Leak Reported

Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 07/15/2003
Action: Staff Letter

Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 05/24/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603797590
Action Type: REMEDIATION
Date: 06/12/2003
Action: Other (Use Description Field)

LUST:
Global Id: T0603797590
Status: Open - Case Begin Date
Status Date: 01/01/1996

Global Id: T0603797590
Status: Open - Site Assessment
Status Date: 06/12/2003

Global Id: T0603797590
Status: Completed - Case Closed
Status Date: 08/12/2004

KAISER FONDATION HOSPITALS (Continued) **1001614020**

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/03/2009
Global Id:	T10000001213
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.789101
Longitude:	-118.2939319
Case Type:	Cleanup Program Site
Case Worker:	GAC
Local Agency:	Not reported
RB Case Number:	1242
File Location:	Not reported
Potential Media Affected:	Soil
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

NPDES:

Npdes Number:	CAS000002
Facility Status:	Terminated
Agency Id:	0
Region:	4
Regulatory Measure Id:	400197
Order No:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place Id:	Not reported
WDID:	4 19C356486
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/11/2017
Discharge Name:	Kaiser Fondation Hospitals
Discharge Address:	25825 South Vermont Avenue
Discharge City:	Harbor City
Discharge State:	California
Discharge Zip:	90710
RECEIVED DATE:	Not reported
PROCESSED DATE:	Not reported
STATUS CODE NAME:	Not reported
STATUS DATE:	Not reported
PLACE SIZE:	Not reported
PLACE SIZE UNIT:	Not reported
FACILITY CONTACT NAME:	Not reported
FACILITY CONTACT TITLE:	Not reported
FACILITY CONTACT PHONE:	Not reported
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	Not reported
OPERATOR NAME:	Not reported
OPERATOR ADDRESS:	Not reported
OPERATOR CITY:	Not reported
OPERATOR STATE:	Not reported
OPERATOR ZIP:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

OPERATOR CONTACT NAME:	Not reported
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	Not reported
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	Not reported
OPERATOR TYPE:	Not reported
DEVELOPER NAME:	Not reported
DEVELOPER ADDRESS:	Not reported
DEVELOPER CITY:	Not reported
DEVELOPER STATE:	Not reported
DEVELOPER ZIP:	Not reported
DEVELOPER CONTACT NAME:	Not reported
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	Not reported
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	Not reported
CONSTYPE BELOW GROUND IND:	Not reported
CONSTYPE CABLE LINE IND:	Not reported
CONSTYPE COMM LINE IND:	Not reported
CONSTYPE COMMERTIAL IND:	Not reported
CONSTYPE ELECTRICAL LINE IND:	Not reported
CONSTYPE GAS LINE IND:	Not reported
CONSTYPE INDUSTRIAL IND:	Not reported
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	Not reported
CONSTYPE RECONS IND:	Not reported
CONSTYPE RESIDENTIAL IND:	Not reported
CONSTYPE TRANSPORT IND:	Not reported
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	Not reported
CONSTYPE WATER SEWER IND:	Not reported
DIR DISCHARGE USWATER IND:	Not reported
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Not reported
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	Not reported
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported
Npdes Number:	Not reported
Facility Status:	Not reported
Agency Id:	Not reported
Region:	4
Regulatory Measure Id:	400197
Order No:	Not reported
Regulatory Measure Type:	Construction
Place Id:	Not reported
WDID:	4 19C356486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
RECEIVED DATE:	10/05/2009
PROCESSED DATE:	10/07/2009
STATUS CODE NAME:	Active
STATUS DATE:	04/19/2017
PLACE SIZE:	23.6
PLACE SIZE UNIT:	Acres
FACILITY CONTACT NAME:	Francesco Porcella
FACILITY CONTACT TITLE:	Sr. Project Manager
FACILITY CONTACT PHONE:	424-251-7781
FACILITY CONTACT PHONE EXT:	Not reported
FACILITY CONTACT EMAIL:	francesco.r.porcella@kp.org
OPERATOR NAME:	Kaiser Fondation Hospitals
OPERATOR ADDRESS:	25825 South Vermont Avenue
OPERATOR CITY:	Harbor City
OPERATOR STATE:	California
OPERATOR ZIP:	90710
OPERATOR CONTACT NAME:	Francesco Porcella
OPERATOR CONTACT TITLE:	Sr. Project Manager
OPERATOR CONTACT PHONE:	424-251-7781
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	francesco.r.porcella@kp.org
OPERATOR TYPE:	Private Business
DEVELOPER NAME:	Kaiser Fondation Hospitals
DEVELOPER ADDRESS:	25825 South Vermont Avenue
DEVELOPER CITY:	Harbor City
DEVELOPER STATE:	California
DEVELOPER ZIP:	90710
DEVELOPER CONTACT NAME:	Francesco Porcella
DEVELOPER CONTACT TITLE:	Sr. Project Manager
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	999-999-9999
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Lake Muchado
CERTIFIER NAME:	Francesco Porcella
CERTIFIER TITLE:	Sr Proj Mgr
CERTIFICATION DATE:	24-JUN-16
PRIMARY SIC:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

SECONDARY SIC: Not reported
TERTIARY SIC: Not reported

CIWQS:
Agency: Kaiser Fondation Hospitals
Agency Address: 25825 South Vermont Avenue, Harbor City, CA 90710
Place/Project Type: Construction
SIC/NAICS: Not reported
Region: 4
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 4 19C356486
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 10/07/2009
Termination Date: 04/11/2017
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 1
Latitude: 33.4724
Longitude: -118.1752

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74 **WILMINGTON TOWN LOT #274** **CPS-SLIC** **S106485656**
ENE **BAYVIEW AVE** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.335 mi.
1767 ft.

Relative: **Lower**
Actual: **30 ft.**

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/17/1997
Global Id: SLT43443441
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.79148
Longitude: -118.293883
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0655F6
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/15/1997

WILMINGTON TOWN LOT #274 (Continued) **S106485656**

Global Id:	SLT43418416
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655C8
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/19/1997
Global Id:	SLT43399397
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655A7
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/19/1997
Global Id:	SLT43405403
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655B4
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/15/1997

WILMINGTON TOWN LOT #274 (Continued) **S106485656**

Global Id:	SLT43417415
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655C7
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/19/1998
Global Id:	SLT43424422
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655D5
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

75
West
1/4-1/2
0.337 mi.
1779 ft.

ACTA PARCEL PCH-1536 **CPS-SLIC** **S106855357**
1634-1636 PACIFIC COAST HIGHWAY **N/A**
WILMINGTON, CA

Relative:
Higher

Actual:
78 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/05/2005
Global Id:	SL0603735364
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79095
Longitude:	-118.24267
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747N6
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Volatile Organic Compounds (VOC)
Site History:	Not reported

ACTA PARCEL PCH-1536 (Continued) **S106855357**

Click here to access the California GeoTracker records for this facility:

O76 **TEXACO** **HIST CORTESE** **S110060892**
WSW **1625 ANAHEIM** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.353 mi.
1865 ft. **Site 1 of 4 in cluster O**

Relative: **Higher**
Actual: **79 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907440198

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77 **GVW INVESTMENTS** **LUST** **S102339903**
ENE **1030 PACIFIC COAST HWY W** **SWEEPS UST** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.359 mi.
1893 ft.

Relative: **Lower**
Actual: **27 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701657
Global Id:	T0603701657
Latitude:	33.7906924
Longitude:	-118.2948491
Status:	Completed - Case Closed
Status Date:	09/24/1997
Case Worker:	DK
RB Case Number:	907440116
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Other Solvent or Non-Petroleum Hydrocarbon
Site History:	Not reported

LUST:

Global Id:	T0603701657
Contact Type:	Regional Board Caseworker
Contact Name:	DAVID KOO
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	Not reported
City:	R4 UNKNOWN
Email:	david.koo@waterboards.ca.gov
Phone Number:	2136206155

Global Id:	T0603701657
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

GVW INVESTMENTS (Continued) **S102339903**

LUST:
Global Id: T0603701657
Action Type: Other
Date: 11/25/1991
Action: Leak Reported

LUST:
Global Id: T0603701657
Status: Open - Case Begin Date
Status Date: 09/12/1991

Global Id: T0603701657
Status: Open - Site Assessment
Status Date: 09/12/1991

Global Id: T0603701657
Status: Open - Remediation
Status Date: 01/11/1996

Global Id: T0603701657
Status: Completed - Case Closed
Status Date: 09/24/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907440116
Status: Case Closed
Substance: Hydrocarbons
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: EDVE
Global ID: T0603701657
W Global ID: Not reported
Staff: DK
Local Agency: 19050
Cross Street: VERMONT AVE
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 11/25/1991
Date Leak Record Entered: 11/10/1991
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 9/4/1997
Date the Case was Closed: 9/24/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 7132.466495896101944813362067 2

GVW INVESTMENTS (Continued) **S102339903**

Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	9/12/1991
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	1/11/1996
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	GVW INVESTMENTS
RP Address:	ONE WILSHIRE BLVD., STE. #2000, LOS ANGELES, CA 90017
Program:	LUST
Lat/Long:	33.7906924 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	07/21/97 - REQUEST FOR CLOSURE

SWEEPS UST:

Status:	Not reported
Comp Number:	4758
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

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78 **UNOCAL #2121** **LUST** **S102439880**
SSE **26393 VERMONT AVE S** **HIST CORTESE** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.361 mi.
1905 ft.

Relative: **Higher**

Actual: **66 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701592
Global Id:	T0603701592

UNOCAL #2121 (Continued) **S102439880**

Latitude:	33.7830185
Longitude:	-118.297581
Status:	Completed - Case Closed
Status Date:	03/19/1999
Case Worker:	Not reported
RB Case Number:	907100061
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701592
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603701592
Action Type:	Other
Date:	07/24/1993
Action:	Leak Reported
Global Id:	T0603701592
Action Type:	Other
Date:	07/24/1993
Action:	Leak Discovery

LUST:

Global Id:	T0603701592
Status:	Open - Case Begin Date
Status Date:	07/24/1993
Global Id:	T0603701592
Status:	Open - Site Assessment
Status Date:	07/01/1994
Global Id:	T0603701592
Status:	Open - Site Assessment
Status Date:	09/30/1996
Global Id:	T0603701592
Status:	Open - Site Assessment
Status Date:	07/16/1997
Global Id:	T0603701592
Status:	Open - Remediation
Status Date:	05/07/1998
Global Id:	T0603701592
Status:	Open - Remediation

UNOCAL #2121 (Continued) **S102439880**

Status Date: 05/27/1998

Global Id: T0603701592
Status: Completed - Case Closed
Status Date: 03/19/1999

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100061
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Treat
Global ID: T0603701592
W Global ID: Not reported
Staff: JT
Local Agency: 19050
Cross Street: ANAHEIM
Enforcement Type: Not reported
Date Leak Discovered: 7/24/1993
Date Leak First Reported: 7/24/1993
Date Leak Record Entered: 5/30/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/5/1999
Date the Case was Closed: 3/19/1999
How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: OLD CASE #053095-27
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 5782.786617113279400379256165 4
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 7/1/1994
Preliminary Site Assessment Began: 9/30/1996
Pollution Characterization Began: 7/16/1997
Remediation Plan Submitted: 5/7/1998
Remedial Action Underway: 5/27/1998
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 16
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL
RP Address: 376 S VALENCIA AVE BREA CA 92621

UNOCAL #2121 (Continued) **S102439880**

Program: LUST
Lat/Long: 33.7830185 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: 2C
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: VET, INC. TOOK OVER TO PROCEED OFF SITE WORK ; 01/18/99 - 1ST QTR GW MON RPT 1999 ;2/08/99 - SITE REMEDIATION AND CLOSURE REPORT; 5/5/99 WELL DESTRUCTION REPORT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907100061

P79 **C-BRITE METAL FINISHING INC** **ENVIROSTOR** **S118757518**
North **1213 W 253RD ST** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.376 mi.
1985 ft. **Site 1 of 3 in cluster P**

Relative:
Higher

Actual:
62 ft.

ENVIROSTOR:
Facility ID: 80001391
Status: No Action Required
Status Date: 05/25/2012
Site Code: 400351
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.79471
Longitude: -118.2976
APN: 7413006010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7413006010
Alias Type: APN
Alias Name: CAD045520996
Alias Type: EPA Identification Number
Alias Name: 110000609556
Alias Type: EPA (FRS #)

C-BRITE METAL FINISHING INC (Continued) **S118757518**

Alias Name: 400351
Alias Type: Project Code (Site Code)
Alias Name: 80001391
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/19/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/21/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

P80 **C-BRITE METAL FINISHING INC** **SEMS-ARCHIVE** **1000363029**
North **1213 W 25 3RD ST** **CORRACTS** **CAD045520996**
1/4-1/2 **HARBOR CITY, CA 90710** **RCRA-TSDF**
0.376 mi. **RCRA-SQG**
1985 ft. **Site 2 of 3 in cluster P** **HIST UST**
EMI
Relative: **HWP**
Higher **WDS**

Actual:
62 ft.

SEMS Archive:
Site ID: 900357
EPA ID: CAD045520996
Cong District: 32
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: Deferred to RCRA (Subtitle C)

SEMS Archive Detail:
Region: 9
Site ID: 900357
EPA ID: CAD045520996
Site Name: C-BRITE METAL FINISHING INC
NPL: N
FF: N

C-BRITE METAL FINISHING INC (Continued) **1000363029**

OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1996-01-23 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 900357
EPA ID: CAD045520996
Site Name: C-BRITE METAL FINISHING INC
NPL: N
FF: N
OU: 0
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1991-09-24 00:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 9
Site ID: 900357
EPA ID: CAD045520996
Site Name: C-BRITE METAL FINISHING INC
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-03-01 00:00:00
Finish Date: 1991-03-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD045520996
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19910919
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045520996
EPA Region: 09
Area Name: ENTIRE FACILITY

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Actual Date: 19920121
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 19920121
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/03/2006
Facility name: C-BRITE METAL FINISHING, INC.
Facility address: 1213 WEST 253RD STREET
HARBOR CITY, CA 90710
EPA ID: CAD045520996
Contact: JOHN F LAFFEY
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 310-326-5095
Contact email: OFCBRITE@AOL.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: C-BRITE METAL FINISHING INC
Owner/operator address: 1213 W 253RD ST
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 213-326-5095
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING, INC.
Owner/operator address: 1213 WEST 253RD STREET
HARBOR CITY, CA 90710
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/01/1966
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING INC
Owner/operator address: 1213 W 253RD ST
HARBOR CITY, CA 90710

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Owner/operator country: Not reported
Owner/operator telephone: 213-326-5095
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/1966
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Historical Generators:
Date form received by agency: 09/01/1996
Site name: C-BRITE METAL FINISHING INC
Classification: Small Quantity Generator

Date form received by agency: 10/05/1981
Site name: C-BRITE METAL FINISHING INC

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 09/19/1991
Event: LEAD AGENCY DETERMINATION

Event date: 09/19/1991
Event: PA OR CERCLA INSPECTION

Event date: 09/19/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/21/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/21/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/22/2010
Date achieved compliance: 08/27/2010
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/13/2010
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/22/1994
Date achieved compliance: 06/22/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/18/1991
Date achieved compliance: 06/12/1991
Violation lead agency: State

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/18/1991
Date achieved compliance: 06/12/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1100
Final penalty amount: 600
Paid penalty amount: 600

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 06/12/1990
Date achieved compliance: 06/12/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1100
Final penalty amount: 600
Paid penalty amount: 600

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 06/12/1990
Date achieved compliance: 06/12/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 01/23/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Enforcement action date: 03/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/23/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 01/09/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 08/28/1987
Date achieved compliance: 01/23/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 08/19/1987
Date achieved compliance: 01/23/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/22/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/27/2010
Evaluation lead agency: EPA

Evaluation date: 06/22/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/22/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/12/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/12/1990
Evaluation lead agency: State

Evaluation date: 01/23/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 01/23/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 01/09/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 08/28/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/23/1989
Evaluation lead agency: State

Evaluation date: 08/19/1987

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/23/1989
Evaluation lead agency: State

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000033821
Facility Type: Other
Other Type: PLATING SHOP
Contact Name: JOHN F. LAFFEY, PRESIDENT
Telephone: 2133265095
Owner Name: C-BRITE METAL FINISHING, INC.
Owner Address: 1213 WEST 253RD STREET
Owner City,St,Zip: HARBOR CITY, CA 90710
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000400
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000070
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

EMI:
Year: 1993

C-BRITE METAL FINISHING INC (Continued) **1000363029**

County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0

C-BRITE METAL FINISHING INC (Continued) **1000363029**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2001
County Code: 19
Air Basin: SC
Facility ID: 725
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 4
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2002
County Code: 19
Air Basin: SC
Facility ID: 725
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2003
County Code: 19
Air Basin: SC
Facility ID: 725
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 2004
County Code: 19

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00108
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.00228
NOX - Oxides of Nitrogen Tons/Yr:	0.00845
SOX - Oxides of Sulphur Tons/Yr:	0.0000539
Particulate Matter Tons/Yr:	0.000488
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.000245
Reactive Organic Gases Tons/Yr:	.000103439
Carbon Monoxide Emissions Tons/Yr:	.00378
NOX - Oxides of Nitrogen Tons/Yr:	.0045
SOX - Oxides of Sulphur Tons/Yr:	.000025
Particulate Matter Tons/Yr:	.00034
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000323

HWP:

EPA Id:	CAD045520996
Cleanup Status:	PROTECTIVE FILER
Latitude:	33.79471
Longitude:	-118.2976
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	N/A
Assembly District:	66
Senate District:	35
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	09/17/1987

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 09/17/1987

Alias:
EPA Id: CAD045520996
Facility Type: Historical - Non-Operating
Alias Type: FRS
Alias: 110000609556

EPA Id: CAD045520996
Facility Type: Historical - Non-Operating
Alias Type: Project Code (Site Code)
Alias: N/A

WDS:
Facility ID: 4 19I001069
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: 3103265095
Facility Contact: JOHN F LAFFEY
Agency Name: JOHN FLAFFEY
Agency Address: 1213 253rd St
Agency City,St,Zip: Harbor City 907102413
Agency Contact: Not reported
Agency Telephone: 3103265095
Agency Type: County
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: Not reported
POTW: Not reported
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as

C-BRITE METAL FINISHING INC (Continued) **1000363029**

cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

P81 **A-1 MATERIALS** **LUST** **S102423607**
North **23003 MARIPOSA AVE S** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.381 mi.
2013 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
62 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704477
Global Id:	T0603704477
Latitude:	33.7948553
Longitude:	-118.2982082
Status:	Completed - Case Closed
Status Date:	05/08/1996
Case Worker:	YR
RB Case Number:	I-21513
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704477
Contact Type:	Local Agency Caseworker
Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507

Global Id:	T0603704477
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704477
Action Type:	Other
Date:	07/21/1994
Action:	Leak Reported

Global Id:	T0603704477
Action Type:	Other
Date:	04/18/1994

A-1 MATERIALS (Continued) **S102423607**

Action: Leak Stopped

Global Id: T0603704477
Action Type: Other
Date: 04/18/1994
Action: Leak Discovery

LUST:
Global Id: T0603704477
Status: Open - Case Begin Date
Status Date: 04/18/1994

Global Id: T0603704477
Status: Completed - Case Closed
Status Date: 05/08/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-21513	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704477	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/18/1994	
Date Leak First Reported:		7/21/1994
Date Leak Record Entered:	11/3/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	4/18/1994	
Date Case Last Changed on Database:		5/8/1996
Date the Case was Closed:		5/8/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Other Cause	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5896.79266216664296491765789 29
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported

A-1 MATERIALS (Continued) **S102423607**

Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	BLANK RP
RP Address:	9216 SUNDIAL DR, LAS VEGAS NV 89134
Program:	LUST
Lat/Long:	33.7948553 / -1
Local Agency Staff:	Not reported
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

O82 **UNION OIL CO (1)** **HIST CORTESE** **S105024017**
WSW **1660 ANAHEIM** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.386 mi.
2039 ft. **Site 2 of 4 in cluster O**

Relative: **Higher**
Actual: **80 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19280289

O83 **L.A. REFINERY, WILMINGTON** **HIST CORTESE** **S105024018**
WSW **1660 ANAHEIM** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.386 mi.
2039 ft. **Site 3 of 4 in cluster O**

Relative: **Higher**
Actual: **80 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	WBC&D
Reg Id:	4B192131002

O84
WSW
1/4-1/2
0.386 mi.
2039 ft.

UNOCAL - TOSCO LOS ANGELES REFINERY
1660 ANAHEIM
WILMINGTON, CA 90744

Site 4 of 4 in cluster O

CPS-SLIC **S106386961**
N/A

Relative:
Higher

Actual:
80 ft.

SLIC REG 4:

Region:	4
Facility Status:	Remediation
SLIC:	0231
Substance:	TPH
Staff:	PC

85
North
1/4-1/2
0.393 mi.
2075 ft.

LOS ANGELES FIRE STATION 85
1331 W 253RD ST
HARBOR CITY, CA 90710

LUST **S103628514**
SWEEPS UST **N/A**

Relative:
Higher

Actual:
73 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603730647
Global Id:	T0603730647
Latitude:	33.79473
Longitude:	-118.299996
Status:	Completed - Case Closed
Status Date:	03/05/2013
Case Worker:	EL
RB Case Number:	Not reported
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603730647
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603730647
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603730647
Action Type:	ENFORCEMENT
Date:	03/05/2013

LOS ANGELES FIRE STATION 85 (Continued) **S103628514**

Action: Closure/No Further Action Letter

Global Id: T0603730647
Action Type: Other
Date: 09/01/2001
Action: Leak Reported

Global Id: T0603730647
Action Type: Other
Date: 05/25/2001
Action: Leak Discovery

LUST:
Global Id: T0603730647
Status: Open - Case Begin Date
Status Date: 05/25/2001

Global Id: T0603730647
Status: Open - Site Assessment
Status Date: 07/29/2002

Global Id: T0603730647
Status: Completed - Case Closed
Status Date: 03/05/2013

SWEEPS UST:
Status: Active
Comp Number: 2709
Number: 4
Board Of Equalization: 44-012042
Referral Date: 02-05-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002709-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 2709
Number: 4
Board Of Equalization: 44-012042
Referral Date: 02-05-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002709-000002
Tank Status: A
Capacity: 10000
Active Date: 04-20-88

LOS ANGELES FIRE STATION 85 (Continued) **S103628514**

Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported
Status:	Active
Comp Number:	2709
Number:	4
Board Of Equalization:	44-012042
Referral Date:	02-05-93
Action Date:	04-05-94
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002709-000002
Tank Status:	A
Capacity:	Not reported
Active Date:	04-20-88
Tank Use:	CHEMICAL
STG:	P
Content:	UNKNOWN
Number Of Tanks:	Not reported

Q86 **SHELL SERVICES STATION (FORMER)** **LUST** **S106116193**
West **1695 PACIFIC COAST HIGHWAY** **N/A**
1/4-1/2 **LOS ANGELES, CA 90710**
0.436 mi.
2300 ft. **Site 1 of 4 in cluster Q**

Relative:
Higher

Actual:
83 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100089A	
Status:	Remediation Plan	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603787937	
W Global ID:	Not reported	
Staff:	AT	
Local Agency:	19050	
Cross Street:	WESTERN AVE.	
Enforcement Type:	DLSEL	
Date Leak Discovered:	6/20/2001	
Date Leak First Reported:		8/2/2001
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Close Tank	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	

SHELL SERVICES STATION (FORMER) (Continued) **S106116193**

Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/26/2003
Remediation Plan Submitted:		11/4/2003
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		8/29/2003
Hist Max MTBE Conc in Groundwater:		8.9
Hist Max MTBE Conc in Soil:		9600
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	STVE BOSS	
RP Address:	911 S. PRIMROSE AVE., #K	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

Q87 **SHELL SERVICES STATION (FORMER)** **LUST** **S102436839**
West **1695 PACIFIC COAST HIGHWAY** **HIST CORTESE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90710**
0.436 mi.
2300 ft. **Site 2 of 4 in cluster Q**

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701594
Global Id:	T0603701594
Latitude:	33.7894913
Longitude:	-118.3074314
Status:	Completed - Case Closed
Status Date:	05/15/1997
Case Worker:	WR
RB Case Number:	907100089
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701594
Contact Type:	Local Agency Caseworker
Contact Name:	TBD

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Organization Name: LOS ANGELES, CITY OF
Address: 200 N. MAIN ST. RM. 970
City: LOS ANGELES
Email: Not reported
Phone Number: 2134826528

Global Id: T0603701594
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701594
Action Type: Other
Date: 11/13/1989
Action: Leak Discovery

Global Id: T0603701594
Action Type: Other
Date: 02/26/1990
Action: Leak Reported

LUST:
Global Id: T0603701594
Status: Open - Case Begin Date
Status Date: 03/01/1988

Global Id: T0603701594
Status: Open - Site Assessment
Status Date: 03/01/1988

Global Id: T0603701594
Status: Open - Site Assessment
Status Date: 07/01/1989

Global Id: T0603701594
Status: Completed - Case Closed
Status Date: 05/15/1997

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603787937
Global Id: T0603787937
Latitude: 33.9966958
Longitude: -118.4582537
Status: Completed - Case Closed
Status Date: 05/30/2006
Case Worker: AT
RB Case Number: 907100089A
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603787937
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603787937
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603787937
Action Type: RESPONSE
Date: 01/30/2006
Action: Soil and Water Investigation Report

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: Well Installation Report

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2003
Action: Other Report / Document

Global Id: T0603787937
Action Type: RESPONSE

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Date: 06/09/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603787937
Action Type: Other
Date: 08/02/2001
Action: Leak Reported

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 06/04/2003
Action: Staff Letter

Global Id: T0603787937
Action Type: Other
Date: 06/20/2001
Action: Leak Discovery

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 05/30/2006
Action: Closure/No Further Action Letter

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 06/10/2003
Action: Meeting

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 07/11/2003
Action: Staff Letter

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603787937
Action Type: REMEDIATION
Date: 07/18/2001
Action: Excavation

Global Id: T0603787937
Action Type: REMEDIATION
Date: 05/27/2003
Action: Excavation

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: REMEDIATION
Date: 04/28/2004
Action: Soil Vapor Extraction (SVE)

LUST:
Global Id: T0603787937
Status: Open - Case Begin Date
Status Date: 06/20/2001

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 08/02/2001

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 06/09/2003

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 06/26/2003

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Global Id: T0603787937
Status: Open - Remediation
Status Date: 10/15/2003

Global Id: T0603787937
Status: Open - Remediation
Status Date: 11/04/2003

Global Id: T0603787937
Status: Completed - Case Closed
Status Date: 05/30/2006

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100089
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701594
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: WESTERN AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 11/13/1989
Date Leak First Reported: 2/26/1990
Date Leak Record Entered: 4/19/1990
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/15/1997
Date the Case was Closed: 5/15/1997
How Leak Discovered: Subsurface Monitoring
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Operator: LADOE, GREGORY
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3714.351088323450801568919382 3
Source of Cleanup Funding: UNK
Preliminary Site Assessment Workplan Submitted: 3/1/1988
Preliminary Site Assessment Began: 7/1/1989
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: 1/1/1965
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	SHELL OIL CO.
RP Address:	P.O. BOX 4848, ANAHEIM, 92803
Program:	LUST
Lat/Long:	33.7893742 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907100089

Q88 **CHEVRON #9-1267** **LUST S102427123**
West **25800 WESTERN AVE** **HIST CORTESE N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.439 mi.
2318 ft. **Site 3 of 4 in cluster Q**

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701593
Global Id:	T0603701593
Latitude:	33.7894661
Longitude:	-118.3075145
Status:	Completed - Case Closed
Status Date:	07/24/1997
Case Worker:	EL
RB Case Number:	907100070
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701593
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

Global Id:	T0603701593
Contact Type:	Regional Board Caseworker

CHEVRON #9-1267 (Continued) **S102427123**

Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701593
Action Type: Other
Date: 07/17/1995
Action: Leak Reported

LUST:
Global Id: T0603701593
Status: Open - Case Begin Date
Status Date: 07/17/1995

Global Id: T0603701593
Status: Open - Remediation
Status Date: 04/09/1996

Global Id: T0603701593
Status: Completed - Case Closed
Status Date: 07/24/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100070
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701593
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: PACIFIC COAST HWY
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 7/17/1995
Date Leak Record Entered: 9/16/1996
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/24/1997
Date the Case was Closed: 7/24/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported

CHEVRON #9-1267 (Continued) **S102427123**

Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3539.806180155847438786152 5819
Source of Cleanup Funding:		Not reported
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		4/9/1996
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	CHEVRON U.S.A.	
RP Address:	1300 BEACH BLVD S., LA HABRA CA 90632	
Program:	LUST	
Lat/Long:	33.7894372 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907100070

Q89 **MOBIL OIL CORP MXB** **RCRA-SQG** **1000905470**
West **1701 PACIFIC COAST** **LUST** **CA0000744144**
1/4-1/2 **LOMITA, CA 90717** **CHMIRS**
0.474 mi. **FINDS**
2501 ft. **Site 4 of 4 in cluster Q** **ECHO**
HAZNET
Relative: **HIST CORTESE**
Higher

Actual: **84 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	MOBIL OIL CORP MXB
Facility address:	1701 PACIFIC COAST LOMITA, CA 90717
EPA ID:	CA0000744144
Mailing address:	GALLOWS RD FAIRFAX, VA 22037-0001
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US

MOBIL OIL CORP MXB (Continued) **1000905470**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MOBIL OIL CORP
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: Not reported
Owner/operator telephone: 703-846-5712
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704811
Global Id: T0603704811
Latitude: 33.789777
Longitude: -118.308058
Status: Completed - Case Closed
Status Date: 07/19/1996
Case Worker: YR
RB Case Number: R-09417
Local Agency: LOS ANGELES COUNTY
File Location: Not reported
Local Case Number: Not reported

MOBIL OIL CORP MXB (Continued) **1000905470**

Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T0603704811
Contact Type: Local Agency Caseworker
Contact Name: JOHN AWUJO
Organization Name: LOS ANGELES COUNTY
Address: 900 S FREMONT AVE
City: ALHAMBRA
Email: jawujo@dpw.lacounty.gov
Phone Number: 6264583507

Global Id: T0603704811
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603704811
Action Type: Other
Date: 09/01/1987
Action: Leak Reported

Global Id: T0603704811
Action Type: Other
Date: 08/03/1987
Action: Leak Stopped

Global Id: T0603704811
Action Type: Other
Date: 08/03/1987
Action: Leak Discovery

LUST:
Global Id: T0603704811
Status: Open - Case Begin Date
Status Date: 08/03/1987

Global Id: T0603704811
Status: Open - Site Assessment
Status Date: 03/20/1992

Global Id: T0603704811
Status: Open - Remediation
Status Date: 09/09/1992

Global Id: T0603704811
Status: Open - Remediation
Status Date: 08/09/1995

Global Id: T0603704811

MOBIL OIL CORP MXB (Continued) **1000905470**

Status: Completed - Case Closed
Status Date: 07/19/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	R-09417	
Status:	Case Closed	
Substance:	Waste Oil	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		EDVE
Global ID:	T0603704811	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19000	
Cross Street:	WESTERN	
Enforcement Type:	Not reported	
Date Leak Discovered:	8/3/1987	
Date Leak First Reported:		9/1/1987
Date Leak Record Entered:	11/2/1987	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	8/3/1987	
Date Case Last Changed on Database:		11/20/1996
Date the Case was Closed:		7/19/1996
How Leak Discovered:	Tank Test	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Tank	
Operator:	SHEIBANI, REZA OLD#907170025	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3714.908073996097405489884 3321
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/20/1992
Remediation Plan Submitted:		9/9/1992
Remedial Action Underway:		8/9/1995
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	MOBIL OIL CORP	
RP Address:	3700 W 190TH ST, TORRANCE CA 90509-2929	
Program:	LUST	
Lat/Long:	33.7895952 / -1	
Local Agency Staff:	Not reported	

MOBIL OIL CORP MXB (Continued) **1000905470**

Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CHMIRS:

OES Incident Number:	1-4019
OES notification:	07/12/2001
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Veeder Root
Incident Date:	7/12/200112:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Service Station
E Date:	Not reported
Substance:	Gasoline
Unknown:	Unknown

MOBIL OIL CORP MXB (Continued) **1000905470**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Discovered while an underground tank and lines were being removed.

FINDS:

Registry ID: 110002619756

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000905470
Registry ID:	110002619756
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002619756

HAZNET:

envid:	1000905470
Year:	2016
GEPAID:	CAL000370642
Contact:	JOSE HERRERA
Telephone:	9494741300
Mailing Name:	Not reported
Mailing Address:	54 JACONNET ST STE 100
Mailing City,St,Zip:	NEWTON HIGHLANDS, MA 024611956
Gen County:	Los Angeles
TSD EPA ID:	AZR000515924
TSD County:	99
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2
Cat Decode:	Other organic solids

MOBIL OIL CORP MXB (Continued) **1000905470**

Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: R-09417

90
SSE
1/4-1/2
0.480 mi.
2534 ft.

GAFFERY AND ANAHEIM **WMUDS/SWAT** **S103441327**
SE OF GAFFEY ST & ANAHEIM **N/A**
SAN PEDRO, CA

Relative:
Higher

Actual:
59 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Not reported
Agency Name: Not reported
Agency Department: Not reported
Agency Address: Not reported
Agency City,St,Zip: Not reported
Agency Contact: Not reported
Agency Telephone: Not reported
Land Owner Name: Not reported
Land Owner Address: Not reported
Land Owner City,St,Zip: CA
Land Owner Contact: Not reported
Land Owner Phone: Not reported
Region: 4
Facility Type: Not reported
Facility Description: Not reported
Facility Telephone: Not reported
SWAT Facility Name: Not reported
Primary SIC: Not reported
Secondary SIC: Not reported
Comments: Not reported
Last Facility Editors: Not reported
Waste Discharge System: False
Solid Waste Assessment Test Program: True
Toxic Pits Cleanup Act Program: False
Resource Conservation Recovery Act: False
Department of Defence: False

GAFFERY AND ANAHEIM (Continued) **S103441327**

Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190047NUR
Solid Waste Information ID:	Not reported

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91 **APRO LLC DBA UNITED OIL 151** **LUST** **S102439632**
ENE **909 PACIFIC COAST HWY** **HAZNET** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710** **HIST CORTESE**
0.481 mi.
2538 ft.

Relative: **Lower**

Actual: **22 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701591
Global Id:	T0603701591
Latitude:	33.7910944
Longitude:	-118.291354
Status:	Completed - Case Closed
Status Date:	07/07/2016
Case Worker:	AT
RB Case Number:	907100052
Local Agency:	LOS ANGELES, CITY OF
File Location:	Regional Board
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701591
Contact Type:	Regional Board Caseworker
Contact Name:	ARMAN TOUMARI
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 WEST 4TH STREET, SUITE 200
City:	LOS ANGELES
Email:	atoumari@waterboards.ca.gov
Phone Number:	2135766708

Global Id:	T0603701591
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603701591
Action Type:	RESPONSE

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 07/15/2008
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/30/2013
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/21/2013
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2013
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 01/11/2016
Action: Notification - Preclosure

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2013
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2013
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 02/26/2013
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2007
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/13/2009
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2013
Action: Remedial Progress Report

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2011
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2006
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: REMEDIATION
Date: 09/01/2007
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 07/07/2016
Action: Closure/No Further Action Letter

Global Id: T0603701591
Action Type: RESPONSE

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2006
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: Other
Date: 02/11/1994
Action: Leak Reported

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2010
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 07/15/2011
Action: Staff Letter

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 09/23/2008
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2006
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/17/2010
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/12/2015
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/12/2015
Action: Request for Closure - Regulator Responded

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2007
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/15/2016
Action: Well Destruction Report

Global Id: T0603701591
Action Type: REMEDIATION
Date: 10/26/1993
Action: Free Product Removal

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 06/20/2002
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/05/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/05/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 11/12/2002
Action: Staff Letter

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 09/25/2003
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 03/10/2011
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2010
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: REMEDIATION

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Date: 09/01/1993
Action: Excavation

Global Id: T0603701591
Action Type: Other
Date: 11/29/1993
Action: Leak Discovery

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 04/29/2005
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2012
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

LUST:
Global Id: T0603701591
Status: Open - Case Begin Date
Status Date: 11/29/1993

Global Id: T0603701591
Status: Open - Site Assessment
Status Date: 11/29/1993

Global Id: T0603701591
Status: Open - Site Assessment
Status Date: 03/14/2001

Global Id: T0603701591
Status: Open - Remediation
Status Date: 04/27/2005

Global Id: T0603701591
Status: Open - Eligible for Closure
Status Date: 01/11/2016

Global Id: T0603701591
Status: Completed - Case Closed
Status Date: 07/07/2016

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100052	
Status:	Remediation Plan	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701591	
W Global ID:	Not reported	
Staff:	AT	
Local Agency:	19050	
Cross Street:	VERMONT	
Enforcement Type:	DLSEL	
Date Leak Discovered:	11/29/1993	
Date Leak First Reported:		2/11/1994
Date Leak Record Entered:	3/18/1994	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		7/18/2002
Date the Case was Closed:		Not reported
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6643.21224181892192761878245 29
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		11/29/1993
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		3/14/2001
Remediation Plan Submitted:		1/17/2003
Remedial Action Underway:		1/15/2003
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		3/14/2001
Historical Max MTBE Date:		9/24/1996
Hist Max MTBE Conc in Groundwater:		57000
Hist Max MTBE Conc in Soil:		.018
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	JOHN PAYNE	
RP Address:	2817 A LAFAYETTE AVE.	
Program:	LUST	
Lat/Long:	33.7910944 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Assigned Name: Not reported
Summary: FP RECOVERY BEGAN JULY 97 ; 7/12/00 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000; 12/29/00 4TH QTR GW MON RPT 2000; 4/5/01 1ST QTR GW MON RPT 2001

HAZNET:

envid:	S102439632
Year:	2016
GEPAID:	CAL000398713
Contact:	TOM ROBINS
Telephone:	3103233992
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S102439632
Year:	2016
GEPAID:	CAL000398713
Contact:	TOM ROBINS
Telephone:	3103233992
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.1668
Cat Decode:	Tank bottom waste
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	Los Angeles

envid:	S102439632
Year:	2016
GEPAID:	CAL000398713
Contact:	TOM ROBINS
Telephone:	3103233992
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles

APRO LLC DBA UNITED OIL 151 (Continued) **S102439632**

Waste Category:	Tank bottom waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.10425
Cat Decode:	Tank bottom waste
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County:	Los Angeles
envid:	S102439632
Year:	2015
GEPAID:	CAL000398713
Contact:	ALLEN FAASS
Telephone:	9492895286
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Tank bottom waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.4587
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907100052

92
SSW
1/2-1
0.551 mi.
2908 ft.

PROPOSED ROLLING HILLS PREPARATORY SCHOOL **ENVIROSTOR** **S107737096**
300 A PASEO DEL MAR **SCH** **N/A**
PALOS VERDES ESTATES, CA 90274

Relative:
Higher

Actual:
146 ft.

ENVIROSTOR:

Facility ID:	60000143
Status:	Inactive - Needs Evaluation
Status Date:	04/20/2006
Site Code:	404678
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	20
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Ivy Osornio
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	66
Senate:	35
Special Program:	Not reported

PROPOSED ROLLING HILLS PREPARATORY SCHOOL (Continued) **S107737096**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.7801
Longitude: -118.3026
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Arsenic DDE DDT Methane
Confirmed COC: 30001-NO 30007-NO 30008-NO 30015-NO
Potential Description: NONE SPECIFIED
Alias Name: 404678
Alias Type: Project Code (Site Code)
Alias Name: 60000143
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/20/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000143
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Ivy Osornio
Supervisor: Shahir Haddad

PROPOSED ROLLING HILLS PREPARATORY SCHOOL (Continued) **S107737096**

Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404678
Assembly:	66
Senate:	35
Special Program Status:	Not reported
Status:	Inactive - Needs Evaluation
Status Date:	04/20/2006
Restricted Use:	NO
Funding:	Not Applicable
Latitude:	33.7801
Longitude:	-118.3026
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Arsenic, DDE, DDT, Methane
Confirmed COC:	30001-NO, 30007-NO, 30008-NO, 30015-NO
Potential Description:	NONE SPECIFIED
Alias Name:	404678
Alias Type:	Project Code (Site Code)
Alias Name:	60000143
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	04/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	01/26/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/20/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

93
NNW
1/2-1
0.631 mi.
3332 ft.

BAY HARBOR HOSPITAL, INC
1437 W LOMITA BLVD
HARBOR CITY, CA 90710

SWEEPS UST
HWP

EDR ID Number: S103630637
EPA ID Number: N/A

Relative:
Higher

Actual:
60 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	5147
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

HWP:

EPA Id:	CAD981391535
Cleanup Status:	KNOWN GENERATORS
Latitude:	33.79787
Longitude:	-118.3016
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Assembly District:	66
Senate District:	35
Public Information Officer:	Not reported
Public Information Officer:	Not reported

R94
SSE
1/2-1
0.677 mi.
3573 ft.

DEFENSE FUEL SUPPORT POINT SAN PEDRO
3171 N. GAFFEY STREET
SAN PEDRO, CA 90731
Site 1 of 2 in cluster R

RESPONSE
ENVIROSTOR
HIST UST
CHMIRS

EDR ID Number: U001565523
EPA ID Number: N/A

Relative:
Lower

Actual:
22 ft.

RESPONSE:

Facility ID:	19970007
Site Type:	State Response
Site Type Detail:	Open Base
Acres:	345
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, RWQCB 4 - Los Angeles
Lead Agency Description:	Not reported
Project Manager:	H. Alan Hsu
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Site Code:	400770
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	70

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Senate:	35
Special Program Status:	Navy
Status:	Active
Status Date:	03/04/2009
Restricted Use:	NO
Funding:	DERA
Latitude:	33.77805
Longitude:	-118.2958
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC :	Benzene Trichloroethylene (TCE
Confirmed COC:	30003-NO 30027-NO
Potential Description:	OTH, SOIL, SURFW
Alias Name:	DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	DEFENSE LOGISTICS AGENCY
Alias Type:	Alternate Name
Alias Name:	DFSP, SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	PATRICK, O.
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY POINT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL FUEL DEPOT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL RESERVATION
Alias Type:	Alternate Name
Alias Name:	110000781486
Alias Type:	EPA (FRS #)
Alias Name:	DOD100088400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091900
Alias Type:	GeoTracker Global ID
Alias Name:	SLT43183181

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Alias Type: GeoTracker Global ID
Alias Name: SLT43184182
Alias Type: GeoTracker Global ID
Alias Name: T0603701609
Alias Type: GeoTracker Global ID
Alias Name: T0603732941
Alias Type: GeoTracker Global ID
Alias Name: T0603762738
Alias Type: GeoTracker Global ID
Alias Name: CA3971590028
Alias Type: HWTS Identification Code
Alias Name: P43075
Alias Type: PCode
Alias Name: 400046
Alias Type: Project Code (Site Code)
Alias Name: 400770
Alias Type: Project Code (Site Code)
Alias Name: 19970007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: 1A, 1B, 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1998
Comments: RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping by covering exposed impacted soil areas with a total of 8,310 tons of imported clean soil, grading, and landscaping to prevent and minimize surface water and wind erosion. The soil cover comprises of three layers with a total thickness ranging from 2.5 to 7.5 feet: a bottom granular fill layer to establish sub-grade elevation; an infiltration layer consisting of lower permeability silt and clay to reduce infiltration; and a vegetative layer to support plant cover growth. The removal action also includes the installation and quarterly monitoring of three groundwater monitoring wells and drainage channel installation.

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/03/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/14/1997
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Completed Date: 12/04/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/07/1995
Comments: PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVITY: MEDIUM The Navy submitted an SI Report in July 1993 documenting the soil investigation conducted at OUs 1 and 2. Due to the presence of a variety of chemical constituents includ- ing volatile organics, semivolatile organics, metals, and petroleum hydrocarbons, the Navy decided to further investi- gate these areas for a threat to both human health and the environment, documented as part of a Removal Site Evalua- tion Report. The results of RSE investigation showed at OUs 1 and 2 that (1) The volatile organic compounds were below the soil risk-based concentrations (RBCs); (2) The semivolatiles exceeded their respective RBCs; and (3) The metals exceeded their background and RBCs, including the dioxin concentrations at OU2. Additionally, the concentra- tions of the total petroleum hydrocarbons as gas and diesel, respectively were greater than 1000 parts per million. The RSE report recommended a removal action for these sites. We concur with the removal action per our letter of September 14, 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/31/1994
Comments: PPP - DTSC approved the Public Participation Plan on May 31, 1994. Approximate cost not available; funding = DSMOA.

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/30/2009
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/17/2011
Comments: DTSC has concurred the Final addendum.

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/24/2013
Comments: DTSC provided the comments on Phase II RI to the Navy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Completed Document Type: Site Characterization Workplan
Completed Date: 01/31/2014
Comments: DTSC PM and RWQCB PM jointly concurred the workplan and the Navy's responses through a conference call.

Completed Area Name: S.P.DFSP
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/27/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 6
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/13/1998
Comments: CERT - Landfill: The removal action at OU2 involves excavation and transportion of soil contaminated with benzo(a) pyrene, dibenzo(a, h) anthracene, and/or a total recoverable petroleum hyrocarbon for off-site disposal. Confirmatory sampling was also conducted to verify that the impacted soil has been removed. An estimated 1,175 tons of soil was excavated and disposed of at a permitted and licensed off-site landfill. Additionally, an underground storage tank was removed in accordance with California Leaking Underground Fuel Tank (CALUFT) requirements.

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 12/30/1996
Comments: Not reported

Future Area Name: S.P.DFSP
Future Sub Area Name: Not reported
Future Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date: 2020
Future Area Name: Sites With No Operable Unit
Future Sub Area Name: 6
Future Document Type: Remedial Investigation Report
Future Due Date: 2019
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Record of Decision
Future Due Date: 2022
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2022
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Site Characterization Report
Future Due Date: 2018

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2020
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 19970007
Status: Active
Status Date: 03/04/2009
Site Code: 400770
Site Type: State Response
Site Type Detailed: Open Base
Acres: 345
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles,SMBRP
Program Manager: H. Alan Hsu
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: Navy
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 33.77805
Longitude: -118.2958
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC: Benzene Trichloroethylene (TCE
Confirmed COC: 30003-NO 30027-NO
Potential Description: OTH, SOIL, SURFW
Alias Name: DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alias Type: Alternate Name
Alias Name: DEFENSE LOGISTICS AGENCY
Alias Type: Alternate Name
Alias Name: DFSP, SAN PEDRO
Alias Type: Alternate Name
Alias Name: PATRICK, O.
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY POINT
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL FUEL DEPOT
Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL RESERVATION
Alias Type: Alternate Name
Alias Name: 110000781486
Alias Type: EPA (FRS #)
Alias Name: DOD100088400

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091900
Alias Type:	GeoTracker Global ID
Alias Name:	SLT43183181
Alias Type:	GeoTracker Global ID
Alias Name:	SLT43184182
Alias Type:	GeoTracker Global ID
Alias Name:	T0603701609
Alias Type:	GeoTracker Global ID
Alias Name:	T0603732941
Alias Type:	GeoTracker Global ID
Alias Name:	T0603762738
Alias Type:	GeoTracker Global ID
Alias Name:	CA3971590028
Alias Type:	HWTS Identification Code
Alias Name:	P43075
Alias Type:	PCode
Alias Name:	400046
Alias Type:	Project Code (Site Code)
Alias Name:	400770
Alias Type:	Project Code (Site Code)
Alias Name:	19970007
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	1A, 1B, 2
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	06/30/1998
Comments:	RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping by covering exposed impacted soil areas with a total of 8,310 tons of imported clean soil, grading, and landscaping to prevent and minimize surface water and wind erosion. The soil cover comprises of three layers with a total thickness ranging from 2.5 to 7.5 feet: a bottom granular fill layer to establish sub-grade elevation; an infiltration layer consisting of lower permeability silt and clay to reduce infiltration; and a vegetative layer to support plant cover growth. The removal action also includes the installation and quarterly

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

monitoring of three groundwater monitoring wells and drainage channel installation.

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/03/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/14/1997
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/04/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/07/1995
Comments: PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVITY: MEDIUM The Navy submitted an SI Report in July 1993 documenting the soil investigation conducted at OUs 1 and 2. Due to the presence of a variety of chemical constituents includ- ing volatile organics, semivolatile organics, metals, and petroleum hydrocarbons, the Navy decided to further investi- gate these areas for a threat to both human health and the environment, documented as part of a Removal Site Evalua- tion Report. The results of RSE investigation showed at OUs 1 and 2 that (1) The volatile organic compounds were below the soil risk-based concentrations (RBCs); (2) The semivolatiles exceeded their respective RBCs; and (3) The metals exceeded their background and RBCs, including the dioxin concentrations at OU2. Additionally, the concentra- tions of the total petroleum hydrocarbons as gas and diesel, respectively were greater than 1000 parts per million. The RSE report recommended a removal action for these sites. We concur with the removal action per our letter of September 14, 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Completed Date:	05/31/1994
Comments:	PPP - DTSC approved the Public Participation Plan on May 31, 1994. Approximate cost not available; funding = DSMOA.
Completed Area Name:	Navy - Site 32
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	09/30/2009
Comments:	Not reported
Completed Area Name:	Navy - Site 32
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	02/17/2011
Comments:	DTSC has concurred the Final addendum.
Completed Area Name:	Navy - Site 32
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	07/24/2013
Comments:	DTSC provided the comments on Phase II RI to the Navy.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	01/31/2014
Comments:	DTSC PM and RWQCB PM jointly concurred the workplan and the Navy's responses through a conference call.
Completed Area Name:	S.P.DFSP
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	08/27/2015
Comments:	Not reported
Completed Area Name:	Sites With No Operable Unit
Completed Sub Area Name:	6
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/02/2017
Comments:	Not reported
Completed Area Name:	OU2
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	03/13/1998
Comments:	CERT - Landfill: The removal action at OU2 involves excavation and transportion of soil contaminated with benzo(a) pyrene, dibenzo(a, h) anthracene, and/or a total recoverable petroleum hyrocarbon for off-site disposal. Confirmatory sampling was also conducted to verify that the impacted soil has been removed. An estimated 1,175 tons of soil was excavated and disposed of at a permitted and licensed off-site landfill. Additionally, an underground storage tank was removed in accordance with California Leaking Underground Fuel Tank (CALUFT) requirements.
Completed Area Name:	OU1 AND OU2
Completed Sub Area Name:	Not reported

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Completed Document Type:	* CEQA
Completed Date:	12/30/1996
Comments:	Not reported
Future Area Name:	S.P.DFSP
Future Sub Area Name:	Not reported
Future Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date:	2020
Future Area Name:	Sites With No Operable Unit
Future Sub Area Name:	6
Future Document Type:	Remedial Investigation Report
Future Due Date:	2019
Future Area Name:	Navy - Site 32
Future Sub Area Name:	Not reported
Future Document Type:	Record of Decision
Future Due Date:	2022
Future Area Name:	Navy - Site 32
Future Sub Area Name:	Not reported
Future Document Type:	Feasibility Study Report
Future Due Date:	2022
Future Area Name:	Navy - Site 32
Future Sub Area Name:	Not reported
Future Document Type:	Site Characterization Report
Future Due Date:	2018
Future Area Name:	Navy - Site 32
Future Sub Area Name:	Not reported
Future Document Type:	Design/Implementation Workplan
Future Due Date:	2020
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Facility ID:	71003599
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	70
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.77495
Longitude:	-118.2959
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA3971590028
Alias Type: EPA Identification Number
Alias Name: 71003599
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1 Non-Submittal
Completed Date: 10/03/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 19970012
Status: Refer: RWQCB
Status Date: 08/29/1995
Site Code: 600706
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: H. Alan Hsu
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: * BRAC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77805
Longitude: -118.2958
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: DEFENSE LOGISTICS AGENCY
Alias Type: Alternate Name
Alias Name: DFSP SAN PEDRO
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY POINT
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL FUEL DEPOT
Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL RESERVATION
Alias Type: Alternate Name
Alias Name: CA3971590028
Alias Type: HWTS Identification Code
Alias Name: P43075
Alias Type: PCode
Alias Name: 600706
Alias Type: Project Code (Site Code)
Alias Name: 19970012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
File Number: 00027593
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027593.pdf
Region: STATE
Facility ID: 00000016972
Facility Type: Other
Other Type: FUEL STORAGE TERMINA
Contact Name: MR. CLEO ARNOLD
Telephone: 2138323144
Owner Name: DEFENSE FUEL SUPPLY CENTER
Owner Address: CAMERON STATION
Owner City,St,Zip: ALEXANDRIA, VA 22314
Total Tanks: 0039

Tank Num: 001
Container Num: 1
Year Installed: 1942
Tank Capacity: 02100000
Tank Used for: PRODUCT
Type of Fuel: 06
Container Construction Thickness: 14
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: 1942

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	6
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	7
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	008
Container Num:	8
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	009
Container Num:	9
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	010
Container Num:	10
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	011
Container Num:	11
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	012
Container Num:	12
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	013
Container Num:	13
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	014
Container Num:	14
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Tank Num:	015
Container Num:	15
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	016
Container Num:	16
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	017
Container Num:	17
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	018
Container Num:	18
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	019
Container Num:	19
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1422
Leak Detection:	Stock Inventor

Tank Num:	020
Container Num:	20
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	021
Container Num:	28
Year Installed:	1942

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	022
Container Num:	29
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	023
Container Num:	30
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	024
Container Num:	31
Year Installed:	1942
Tank Capacity:	00001680
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	025
Container Num:	32
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	026
Container Num:	34
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	027
Container Num:	42
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	028
Container Num:	43
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	029
Container Num:	44
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	030
Container Num:	45
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	031
Container Num:	46
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	032
Container Num:	47
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	033
Container Num:	51
Year Installed:	1942
Tank Capacity:	00567000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

Tank Num:	034
Container Num:	52
Year Installed:	1942
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	035
Container Num:	71
Year Installed:	1942
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	036
Container Num:	72
Year Installed:	1942
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Tank Num:	037
Container Num:	73
Year Installed:	1942
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	038
Container Num:	74
Year Installed:	1942
Tank Capacity:	00002000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	039
Container Num:	75
Year Installed:	1942
Tank Capacity:	00004000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

CHMIRS:

OES Incident Number:	10-2321
OES notification:	04/12/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1100
Year:	2010
Agency:	Defense Field Support Point, San Pedro
Incident Date:	4/12/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	JP 5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

DEFENSE FUEL SUPPORT POINT SAN PEDRO (Continued) **U001565523**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The leak was discovered during an inspection of pipe line. There was no impact to the soil, tracer gas only. The line will be evacuated and repaired.

R95 **SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU** **HIST Cal-Sites** **S101481075**
SSE **3171 GAFFEY STREET** **CHMIRS** **N/A**
1/2-1 **SAN PEDRO, CA 90731** **MCS**
0.677 mi. **Cortese**
3573 ft. **Site 2 of 2 in cluster R** **HIST CORTESE**
NPDES
Relative: **CIWQS**
Lower

Actual: **22 ft.**

Calsite:

Region:	GLENDALE
Facility ID:	19970007
Facility Type:	OPEN
Type:	OPEN MILITARY BASE
Branch:	SO
Branch Name:	OMF-SOUTHERN CALIF
File Name:	Not reported
State Senate District:	03131998
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	REGIONAL WATER QUALITY CONTROL BOARD
NPL:	Not Listed
SIC Code:	97
SIC Name:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access:	Controlled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	54
State Senate District Code:	27
Facility ID:	19970007
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	09071995
Revised Due Date:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments Date:	09071995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	05311994
Revised Due Date:	Not reported
Comments Date:	05311994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	OU 2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03131998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	12301996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	S1AB2
Proposed Budget:	0
AWP Completion Date:	06301998
Revised Due Date:	Not reported
Comments Date:	06301998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	THE RA INVOLVED CAPPING BY COVERING EXPOSED IMPACTED SOL AREAS WITH ATOTAL OF 8,310 TONS OF IMPORTED CLEAN SOIL, GRADING, AND LANDSCAPING.ALSO, THE INSTALLATION OF THREE GW MONITORING WELLS.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Unknown Type:	1.50000
Facility ID:	19970007
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU 2
Proposed Budget:	0
AWP Completion Date:	10031997
Revised Due Date:	Not reported
Comments Date:	10031997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	1174
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	EXCAVATION AND TRANSPORTATION OF CONTAMINATED SOIL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	6
Unknown Type:	0
Facility ID:	19970007
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PAOC
Proposed Budget:	0
AWP Completion Date:	07141997
Revised Due Date:	Not reported
Comments Date:	07141997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	06071996
Revised Due Date:	Not reported
Comments Date:	06071996

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	12041996
Revised Due Date:	Not reported
Comments Date:	12041996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	06071996
Revised Due Date:	Not reported
Comments Date:	06071996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	3171 NORTH GAFFEY STREET
Alternate City,St,Zip:	SAN PEDRO, CA 90731
Alternate Address:	GAFFEY,ANAHEIM,N PALOS VERDES,NORMANDIE
Alternate City,St,Zip:	SAN PEDRO, CA 90731
Background Info:	Not reported
Comments Date:	05311994
Comments:	. Approximate cost not available; funding = DSMOA.
Comments Date:	07021998
Comments:	RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping
Comments Date:	07021998
Comments:	by covering exposed impacted soil areas with a total of 8,310 to
Comments Date:	07021998
Comments:	ns of imported clean soil, grading, and landscaping to prevent an
Comments Date:	07021998
Comments:	d minimize surface water and wind erosion. The soil cover compris
Comments Date:	07021998
Comments:	es of three layers with a total thickness ranging from 2.5 to 7.5
Comments Date:	07021998
Comments:	feet: a bottom granular fill layer to establish sub-grade elevat
Comments Date:	07021998
Comments:	ion; an infiltration layer consisting of lower permeability silt
Comments Date:	07021998
Comments:	and clay to reduce infiltration; and a vegetative layer to suppor
Comments Date:	07021998
Comments:	t plant cover growth. The removal action also includes the instal
Comments Date:	07021998
Comments:	lation and quarterly monitoring of three groundwater monitoring w
Comments Date:	07021998
Comments:	ells and drainage channel installation.
Comments Date:	07231997
Comments:	PEA - PAOC: The preliminary assessment analytical results
Comments Date:	07231997
Comments:	provided showed that the detected concentrations for metals,
Comments Date:	07231997
Comments:	volatile organic compounds, semi-volatile organic compounds,
Comments Date:	07231997
Comments:	pesticides, and PCBs were below background and/or health-
Comments Date:	07231997
Comments:	based standards. Base on the information presented, DTSC
Comments Date:	07231997
Comments:	concurs with the no further investigation recommendation for
Comments Date:	07231997
Comments:	this potential area of concern location.
Comments Date:	08141992
Comments:	Slip-sheet changes to the final supplemental Engineering Re-
Comments Date:	08141992
Comments:	port for DFSP San Pedro were sent to DTSC.
Comments Date:	09071995
Comments:	PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVIT
Comments Date:	09071995

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments:	Y: MEDIUM The Navy submitted an SI Report in July 1993 documentin
Comments Date:	09071995
Comments:	g the soil investigation conducted at OUs 1 and 2. Due to the pr
Comments Date:	09071995
Comments:	esence of a variety of chemical constituents includ- ing volatile
Comments Date:	09071995
Comments:	organics, semivolatile organics, metals, and petroleum hydrocarb
Comments Date:	09071995
Comments:	ons, the Navy decided to further investi- gate these areas for a
Comments Date:	09071995
Comments:	threat to both human health and the environment, documented as pa
Comments Date:	09071995
Comments:	rt of a Removal Site Evalua- tion Report. The results of RSE inv
Comments Date:	09071995
Comments:	estigation showed at OUs 1 and 2 that (1) The volatile organic co
Comments Date:	09071995
Comments:	mpounds were below the soil risk-based concentrations (RBCs); (2)
Comments Date:	09071995
Comments:	The semivolatiles exceeded their respective RBCs; and (3) The me
Comments Date:	09071995
Comments:	tals exceeded their background and RBCs, including the dioxin con
Comments Date:	09071995
Comments:	centrations at OU2. Additionally, the concentra- tions of the to
Comments Date:	09071995
Comments:	tal petroleum hydrocarbons as gas and diesel, respectively were g
Comments Date:	09071995
Comments:	reater than 1000 parts per million. The RSE report recommended a
Comments Date:	09071995
Comments:	removal action for these sites. We concur with the removal actio
Comments Date:	09071995
Comments:	n per our letter of September 14, 1995.
Comments Date:	10141997
Comments:	RA - OU2: The removal action at OU2 involves excavation and
Comments Date:	10141997
Comments:	transportation of soil contaminated with benzo(a)pyrene,
Comments Date:	10141997
Comments:	dibenzo(a, h)anthracene, and/or a total recoverable petro-
Comments Date:	10141997
Comments:	leum bydrocarbon for off-site disposal. Confirmatory sampl-
Comments Date:	10141997
Comments:	ing was also conducted to verify that the impacted soil has
Comments Date:	10141997
Comments:	been removed. An estimated 1,175 tons of soil was excavated
Comments Date:	10141997
Comments:	and disposed at a permitted and licensed off-site landfill.
Comments Date:	10141997
Comments:	Additionally, an underground storage tank was removed in
Comments Date:	10141997
Comments:	accordance with California Leaking Underground Fuel Tank
Comments Date:	10141997
Comments:	(CALUFT) requirements. An estemated 3,500 gallons of petro-
Comments Date:	10141997
Comments:	leum hydrocarbon-contaminated water was disposed off-site at
Comments Date:	10141997
Comments:	Chandeleria Environmental Services Facility in Anza,
Comments Date:	10141997
Comments:	California and the 4,000 capacity tank disposed at Adams

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments Date:	10141997
Comments:	Steelfacility in Anaheim, California. The confirmatory soil
Comments Date:	10141997
Comments:	analytical results provided showed that the detected
Comments Date:	10141997
Comments:	concentrations for metals, volatile organic compounds, semi-
Comments Date:	10141997
Comments:	volatile organic compounds, pesticides, and PCBs were below
Comments Date:	10141997
Comments:	background and/or residential health-based standards.
Comments Date:	05311994
Comments:	PPP - DTSC approved the Public Participation Plan on May 31, 1994
Comments Date:	01071997
Comments:	OU1&2 Remedial Action Plan (RAP) completed on December 4, 1996.
Comments Date:	01081997
Comments:	OU1&2 CEQA completed on 12/30/96.
Comments Date:	03121990
Comments:	Comments on a workplan to investigate TPH contamination at
Comments Date:	03121990
Comments:	DFSP San Pedro were sent to Capt. David Jones, Dept. of the
Comments Date:	03121990
Comments:	Army, Huntsville Div., Corps of Engineers, PO Box 1600, Hun-
Comments Date:	03121990
Comments:	tsville, Alabama 35807-4301.
Comments Date:	03131998
Comments:	CERT - Landfill: The removal action at OU2 involves excavation an
Comments Date:	03131998
Comments:	d transportion of soil contaminated with benzo(a) pyrene, dibenzo
Comments Date:	03131998
Comments:	(a, h) anthracene, and/or a total recoverable petroleum hyrocarbo
Comments Date:	03131998
Comments:	n for off-site disposal. Confirmatory sampling was also conducted
Comments Date:	03131998
Comments:	to verify that the impacted soil has been removed. An estimated
Comments Date:	03131998
Comments:	1,175 tons of soil was excavated and disposed of at a permitted
Comments Date:	03131998
Comments:	and licensed off-site landfill. Additionally, an underground sto
Comments Date:	03131998
Comments:	rage tank was removed in accordance with California Leaking Under
Comments Date:	03131998
Comments:	ground Fuel Tank (CALUFT) requirements.
Comments Date:	04081992
Comments:	Comments on the final RI workplan, Defense Long Beach Family
Comments Date:	04081992
Comments:	Housing and Fuel Supply Center, San Pedro were sent to RWQCB
Comments Date:	05191995
Comments:	Active site.
Comments Date:	05311990
Comments:	DSMOA negotiations decided that RWQCB (LA) would be the lead
Comments Date:	05311990
Comments:	agency for DFSP San Pedro. Many problems have to do with
Comments Date:	05311990
Comments:	groundwater: existing wells show floating free product as
Comments Date:	05311990
Comments:	thick as 13 feet; the Silverado Aquifer "daylights" on the
Comments Date:	05311990

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments:	site; RWQCB is addressing an areawide investigation of fuel
Comments Date:	05311990
Comments:	contamination in the vicinity. The Navy plans military
Comments Date:	05311990
Comments:	housing to be constructed with a day care center. For this
Comments Date:	05311990
Comments:	reason, DTSC staff is reviewing workplans and reports and
Comments Date:	05311990
Comments:	forwarding comments to RWQCB for inclusion in their over-
Comments Date:	05311990
Comments:	sight.
ID Name:	HWIS IDENTIFICATION CODE
ID Value:	CA3971590028
ID Name:	BEP DATABASE PCODE
ID Value:	P43075
Alternate Name:	PATRICK, O.
Alternate Name:	DFSP, SAN PEDRO
Alternate Name:	DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alternate Name:	DEFENSE LOGISTICS AGENCY
Alternate Name:	SAN PEDRO NAVAL FUEL DEPOT
Alternate Name:	SAN PEDRO NAVAL RESERVATION
Alternate Name:	SAN PEDRO DEFENSE SUPPLY POINT
Alternate Name:	SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alternate Name:	DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1
Alternate Name:	Not reported
Special Programs Code:	DSMOA
Special Programs Name:	DEFENSE MEMORANDUM OF AGREEMENT

CHMIRS:

OES Incident Number:	1-6540
OES notification:	11/02/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Military Base
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Dept of Defense Defense Logistics Agency
Incident Date:	11/22/2008
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	JP5 -Military Grade jet fuel
Quantity Released:	323
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	****Historical Release******A failed under ground pipe line caused this release which has been mitigated
OES Incident Number:	1-6541
OES notification:	11/02/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Gound water
Spill Site:	Military Base
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Dept of Defense-Defense Logistics Agency
Incident Date:	7/2/2007
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Gound water
E Date:	Not reported
Substance:	JP 8
Quantity Released:	6600
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	****Historical Release****** Failed undertrgroung pipeline caused this release to soil which has been mitigated
OES Incident Number:	13-2144
OES notification:	04/09/2013
OES Date:	Not reported
OES Time:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1505
Year:	2013
Agency:	Defense Logistic Agency
Incident Date:	4/9/2013
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	No. 2-D Fuel Oil
Quantity Released:	40 sq feet
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release is believed to be from an underground supply line which has been isolated and excavation is planned in the area Bulk Tank #15. This is a storage facility and not a pipeline. The release is from a supply line which feeds three tanks internally.
OES Incident Number:	1-7514
OES notification:	12/20/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Military Base
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	United Paradyne
Incident Date:	12/19/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

E Date:	Not reported
Substance:	JP-8 Jet Fuel
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During test and evaluation of tank #4, a release was noted. The tank has been evacuated to determine the cause of the release.

MCS:

Global Id:	DOD100088500
Latitude:	33.71531
Longitude:	-118.2928
Case Type:	Military Cleanup Site
Status:	Open - Site Assessment
Status Date:	10/20/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	Not reported
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	0285A -- 11
LOC Case Number:	400046 -- 11
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	DOD100088500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CORTESE:

Region:	CORTESE
Envirostor Id:	19970007
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	03/04/2009
Site Code:	400046, 400770
Latitude:	33.778055
Longitude:	-118.29583
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19970007

Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907310034

NPDES:
Npdes Number: Not reported
Facility Status: Not reported
Agency Id: Not reported
Region: 4
Regulatory Measure Id: 432682
Order No: Not reported
Regulatory Measure Type: Construction
Place Id: Not reported
WDID: 4 19C365033
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: 02/20/2014
Discharge Name: Not reported
Discharge Address: Not reported
Discharge City: Not reported
Discharge State: Not reported
Discharge Zip: Not reported
RECEIVED DATE: 11/09/2012
PROCESSED DATE: 11/09/2012
STATUS CODE NAME: Terminated
STATUS DATE: 03/24/2014
PLACE SIZE: 8
PLACE SIZE UNIT: Acres
FACILITY CONTACT NAME: Chad Lorenzana
FACILITY CONTACT TITLE: Mr.
FACILITY CONTACT PHONE: 562-626-7291
FACILITY CONTACT PHONE EXT: Not reported
FACILITY CONTACT EMAIL: chad.lorenzana@navy.mil
OPERATOR NAME: Defense Fuel Supply Point San Pedro
OPERATOR ADDRESS: 3171 Gaffey St
OPERATOR CITY: San Pedro
OPERATOR STATE: California
OPERATOR ZIP: 90731

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

OPERATOR CONTACT NAME:	Chad Lorenzana
OPERATOR CONTACT TITLE:	Not reported
OPERATOR CONTACT PHONE:	562-626-7291
OPERATOR CONTACT PHONE EXT:	Not reported
OPERATOR CONTACT EMAIL:	chad.lorenzana@navy.mil
OPERATOR TYPE:	Federal Agency
DEVELOPER NAME:	Command Performance Constructors
DEVELOPER ADDRESS:	3346 Olive Ave
DEVELOPER CITY:	Signal Hill
DEVELOPER STATE:	California
DEVELOPER ZIP:	90755
DEVELOPER CONTACT NAME:	Jimmy Chavez
DEVELOPER CONTACT TITLE:	Not reported
CONSTYPE LINEAR UTILITY IND:	N
EMERGENCY PHONE NO:	Not reported
EMERGENCY PHONE EXT:	Not reported
CONSTYPE ABOVE GROUND IND:	N
CONSTYPE BELOW GROUND IND:	N
CONSTYPE CABLE LINE IND:	N
CONSTYPE COMM LINE IND:	N
CONSTYPE COMMERTIAL IND:	N
CONSTYPE ELECTRICAL LINE IND:	N
CONSTYPE GAS LINE IND:	N
CONSTYPE INDUSTRIAL IND:	N
CONSTYPE OTHER DESRIPTION:	Not reported
CONSTYPE OTHER IND:	N
CONSTYPE RECONS IND:	N
CONSTYPE RESIDENTIAL IND:	N
CONSTYPE TRANSPORT IND:	N
CONSTYPE UTILITY DESCRIPTION:	Not reported
CONSTYPE UTILITY IND:	N
CONSTYPE WATER SEWER IND:	N
DIR DISCHARGE USWATER IND:	N
RECEIVING WATER NAME:	Not reported
CERTIFIER NAME:	Chad Lorenzana
CERTIFIER TITLE:	Not reported
CERTIFICATION DATE:	09-NOV-12
PRIMARY SIC:	Not reported
SECONDARY SIC:	Not reported
TERTIARY SIC:	Not reported

CIWQS:

Agency:	Defense Fuel Supply Point San Pedro
Agency Address:	3171 Gaffey St, San Pedro, CA 90731
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C365033
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/09/2012
Termination Date:	02/20/2014
Expiration/Review Date:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.77587
Longitude:	-118.29902

96
North
1/2-1
0.905 mi.
4779 ft.

ABANDONED OIL WELL SITE
24509 FRAMPTON AVE
HARBOR CITY, CA 90710

ENVIROSTOR **S100183872**
CPS-SLIC **N/A**

Relative:
Higher

Actual:
63 ft.

ENVIROSTOR:

Facility ID:	19130095
Status:	Refer: Other Agency
Status Date:	10/26/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80222
Longitude:	-118.2991
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED OIL CONTAINING WASTE
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	19130095
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/26/1994
Comments:	Staff recommends No Further Action due to the Department’s "Petroleum Exclusion" policy.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	02/20/1987
Comments:	INSPECTION(STATE) YEARLY INSPECTIONS BY DEPT OF CONSERVATN DIV OF OIL

ABANDONED OIL WELL SITE (Continued) **S100183872**

AND GAS PRELIM ASSESS DONE RECOM SI: OIL PRODUCING OPERATION, POOR HOUSEKEEPING, OILY STAINS ON UNPAVED GROUND

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/05/1986
Comments:	SITE SCREENING DONE
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	08/05/1996
Global Id:	SLT43238236
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.802499
Longitude:	-118.299167
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0382
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

S97 **PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT** **CORRACTS** **1000337291**
SE **1660 W ANAHEIM ST** **RCRA-TSDF** **90748NCLLS1660W**
1/2-1 **WILMINGTON, CA 90744** **RCRA-LQG**
0.956 mi. **US FIN ASSUR**
5049 ft. **Site 1 of 2 in cluster S** **2020 COR ACTION**
TRIS
Relative: Higher **RAATS**
ICIS
Actual: 61 ft. **US AIRS**
FINDS

CORRACTS:

EPA ID:	CAD008237679
EPA Region:	09
Area Name:	ENTIRE FACILITY
Actual Date:	19911001
Action:	CA600SR - Stabilization Measures Implemented, Primary measure is

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

source removal and/or treatment
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19840901
Action: CA049PA
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19941004
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19921105
Action: CA050 - RFA Completed
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19921105
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19921105
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20010309

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20010309
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940310
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20021114
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 20021114
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20021114
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940922
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940922
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19940922
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19850225
Action: CA250 - CMS Imposition
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19850225
Action: CA100 - RFI Imposition
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900628
Action: CA049SI
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19920629
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19940731
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA049RE
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

RCRA-TSDF:
Date form received by agency: 02/26/2016
Facility name: PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT
Facility address: 1660 WEST ANAHEIM STREET
WILMINGTON, CA 90744
EPA ID: CAD008237679
Mailing address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Contact: MARSHALL G WALLER
Contact address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Contact country: US
Contact telephone: 310-952-6120
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: PHILLIPS 66 COMPANY
Owner/operator address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Owner/operator country: US
Owner/operator telephone: 310-952-6000
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 CO
Owner/operator address: 700 PLAZA OFFICE BLDG
BARTLESVILLE, CA 74004
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Owner/Operator Type: Owner
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 CO LOS ANGELES REFINERY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2012
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: Oil/water separation sludge

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 341
. Waste name: Organic liquids (nonsolvents) with halogens

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 751
. Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Historical Generators:
Date form received by agency: 03/01/2014
Site name: PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K170
. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Date form received by agency: 04/18/2012
Site name: LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: F038
. Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND F037, K048, AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K049
. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K169
. Waste name: CRUDE OIL STORAGE TANK SEDIMENT FROM PETROLEUM REFINING OPERATIONS

. Waste code: K170
. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: K172
. Waste name: SPENT HYDROREFINING CATALYST FROM PETROLEUM REFINING OPERATIONS, INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Date form received by agency: 03/27/2012
Site name: CONOCOPHILLIPS - LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K170
. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U002
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Date form received by agency: 10/26/2010
Site name: 3358471 LOS ANGELES REFINERY WILMINGTON
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

Date form received by agency: 06/22/2010
Site name: CONOCOPHILLIPS CO - LARW
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051

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. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K170
. Waste name: CLARIFIED SLURRY OIL TANK SEDIMENT AND/OR IN-LINE FILTER/SEPARATION SOLIDS FROM PETROLEUM REFINING OPERATIONS

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 02/20/2008
Site name: CONOCOPHILLIPS CO. LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 02/24/2006
Site name: CONOCOPHILLIPS LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

. Waste code: K048

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. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Date form received by agency: 02/26/2004
Site name: CONOCOPHILLIPS LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE - ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORM WATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGES GENERATED IN STORM WATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS), AND K051 WASTES ARE EXEMPTED FROM THIS LISTING.

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY.

. Waste code: K171
. Waste name: SPENT HYDROTREATING CATALYST FROM PETROLEUM REFINING OPERATIONS,INCLUDING GUARD BEDS USED TO DESULFURIZE FEEDS TO OTHER CATALYTIC REACTORS (THIS LISTING DOES NOT INCLUDE INERT SUPPORT MEDIA)

Date form received by agency: 11/25/2002
Site name: LOS ANGLES REFINERY WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/22/2002
Site name: TOSCO CORP., LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: TOSCO LOS ANGELES REFINERY - WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: TOSCO LOS ANGELES REFINERY - WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/07/1997
Site name: TOSCO LOS ANGLES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: TOSCO LOS ANGLES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Site name: 76 PRODUCTS COMPANY-LAR WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: UNOCAL REFINERY
Classification: Large Quantity Generator

Date form received by agency: 04/01/1992
Site name: UNOCAL - LOS ANGELES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 04/26/1990
Site name: UNOCAL - LOS ANGELES REFINERY
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	43650
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	97
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	2171
Waste code:	D004
Waste name:	ARSENIC
Amount (Lbs):	545669
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	10
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	2548
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	4866
Waste code:	D009
Waste name:	MERCURY
Amount (Lbs):	20300
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	252478
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	406

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 567

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 406

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 406

Waste code: F037
Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.
Amount (Lbs): 113068

Waste code: K050
Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 56659

Waste code: K051
Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 1902

Waste code: K171
Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

reactors (excludes inert support media)
Amount (Lbs): 605543

Corrective Action Summary:

Event date: 09/01/1984
Event: PA OR CERCLA INSPECTION

Event date: 02/25/1985
Event: INVESTIGATION IMPOSITION

Event date: 02/25/1985
Event: CMS IMPOSITION

Event date: 06/28/1990
Event: PA OR CERCLA INSPECTION

Event date: 10/01/1991
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 03/31/1992
Event: PA OR CERCLA INSPECTION

Event date: 03/31/1992
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/29/1992
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/29/1992
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 06/29/1992
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 11/05/1992
Event: RFA COMPLETED

Event date: 11/05/1992
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 03/10/1994
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 07/31/1994
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 09/22/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 09/22/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 10/04/1994

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 10/29/1997
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 10/29/1997
Event: REFERRED TO A NON-RCRA AUTHORITY

Event date: 10/29/1997
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 11/14/2002
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 11/14/2002
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/29/2016
Date achieved compliance: 10/17/2016
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/22/2016
Date achieved compliance: 03/23/2016
Violation lead agency: State

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/2016
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/08/2006
Date achieved compliance: 11/15/2006
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/27/2005
Date achieved compliance: 09/02/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/20/2005
Date achieved compliance: 04/21/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/20/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/08/2002
Date achieved compliance: 02/29/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement action date: 05/24/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/16/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/16/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/19/2000

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/22/1999
Date achieved compliance: 11/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/22/1999
Date achieved compliance: 11/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/20/1991
Date achieved compliance: 02/21/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 01/29/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/02/1986
Date achieved compliance: 04/10/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - FEA
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 07/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/14/2016
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/17/2016
Evaluation lead agency: State

Evaluation date: 03/22/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/23/2016
Evaluation lead agency: State

Evaluation date: 08/27/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/25/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation lead agency: EPA

Evaluation date: 08/25/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/22/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/08/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 11/15/2006
Evaluation lead agency: State

Evaluation date: 12/27/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/27/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2005
Evaluation lead agency: State

Evaluation date: 04/20/2005

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/21/2005
Evaluation lead agency: State

Evaluation date: 04/08/2002
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/29/2004
Evaluation lead agency: State

Evaluation date: 11/16/2000
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/16/2000
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/16/2000
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/22/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/24/1999
Evaluation lead agency: State

Evaluation date: 11/22/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/24/1999
Evaluation lead agency: State

Evaluation date: 01/26/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/1996

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

Evaluation date: 11/09/1993
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/30/1993
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/04/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/21/1992
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/29/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 04/02/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/10/1986
Evaluation lead agency: EPA

Evaluation date: 04/30/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/18/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 04/30/1985
Evaluation lead agency: State

Evaluation date: 07/18/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 04/30/1985
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD008237679
Provider: CONOCO PHILLIPS
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: GC
Cost estimate: 2357425
Face value: 130860128
Effective date: 2011-03-22 00:00:00

EPA ID: CAD008237679
Provider: PHILLIPS 66
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: Corporate Guarantee
Cost estimate: 2000000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00

EPA ID: CAD008237679
Provider: PHILLIPS 66
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: Corporate Guarantee
Cost estimate: 6000000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00

EPA ID: CAD008237679

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Provider: PHILLIPS 66
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: Corporate Guarantee
Cost estimate: 2200000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00

EPA ID: CAD008237679
Provider: PHILLIPS 66
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: 2016 CORPORATE GUARANTEE
Cost estimate: 2000000
Face value: 2000000
Effective date: 2015-03-24 00:00:00

EPA ID: CAD008237679
Provider: PHILLIPS 66
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: 2016 CORPORATE GUARANTEE
Cost estimate: 6000000
Face value: 6000000
Effective date: 2015-03-24 00:00:00

EPA ID: CAD008237679
Provider: CONOCO PHILLIPS
EPA region: 9
County: Not reported
Mechanism type: CORPORATE GUARANTEE
Mechanism ID: GC
Cost estimate: 1296337
Face value: 130860128
Effective date: 2011-03-22 00:00:00

EPA ID: CAD008237679
Provider: CONOCO-PHILLIPS
EPA region: 9
County: Not reported
Mechanism type: FINANCIAL TEST
Mechanism ID: FT001
Cost estimate: 1027925
Face value: 1242010
Effective date: 2008-03-24 00:00:00

2020 COR ACTION:
EPA ID: CAD008237679
Region: 9
Action: Not reported

TRIS:

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

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28 additional US_TRIS: record(s) in the EDR Site Report.

ICIS:

Enforcement Action ID:	CASCAA200140325
FRS ID:	110000476235
Action Name:	NOV P64606 ISSUED ON 6/29/2016 FOR RULE 3002(c)(1)
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA200137944
FRS ID:	110000476235
Action Name:	NOV P64601 AND P64602 FOR RULES 2004, 2011, AND 2012
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300218
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300218
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300217
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300217
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300142
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300142
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300141
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300141
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300137
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300137
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300136
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300136
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300129
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300129
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300128
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300128
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300126
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300126
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300124
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300124
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300112
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300112
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300111
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300111
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300107

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300107
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300106
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300106
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300103
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300103
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300102
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300102
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300099
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300099
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300098
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300098
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300095
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300095
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300094
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300094
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300091
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300091
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300090
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300090
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300087
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300087
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300086
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300086
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300077
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300077
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300076
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300076
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300073
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300073
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300072
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300072
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300069
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300069
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300068
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300068

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300065
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300065
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300064
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300064
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action ID: CASCAA000006037CJ48300061
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300061
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300060
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300060
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300057
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300057
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300056
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300056
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300053
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300053
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300052
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300052
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300049
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300049
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300048
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300048
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300045
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300045
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300044
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300044
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300043
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300043
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300042
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300042
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300041
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300041
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300038
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300038
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300037
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300037
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300034
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300034
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300033
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300033
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300030
FRS ID: 110000476235

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300030
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300029
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300029
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300026
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300026
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action ID: CASCAA000006037CJ48300025
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300025
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300022
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300022
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300021
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300021
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300018
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300018
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300017
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300017
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300012
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300012
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300011
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300011
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300008
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300008
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300007
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300007
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300004
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300004
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300003
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300003
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-A027
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300114
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000337291
Region Code: 09
County Code: CA037
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
D and B Number: Not reported
Facility Site Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Primary SIC Code: 2911
NAICS Code: 324110
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: ADDRESSED HPV

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-17 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: PSD Preconstruction Requirements
Activity Date: Not reported
Activity Status Date: 2012-08-27 05:41:54
Activity Group: Case File
Activity Type: Case File
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Addressed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2001-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2001-03-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2002-11-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2003-03-07 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2003-07-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-11-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-08-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-06-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2012-02-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-31 00:00:00
Activity Status Date: 2016-01-26 18:30:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-30 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-11 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-15 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-12-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-30 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-08 00:00:00
Activity Status Date: 2000-03-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-02 00:00:00
Activity Status Date: 2000-06-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-02-13 00:00:00
Activity Status Date: 2001-02-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-30 00:00:00
Activity Status Date: 2001-08-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-09-26 00:00:00
Activity Status Date: 2001-09-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-24 00:00:00
Activity Status Date: 2003-06-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-10-01 00:00:00
Activity Status Date: 2004-10-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-10 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2005-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-01 00:00:00
Activity Status Date: 2006-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-15 00:00:00
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-23 00:00:00
Activity Status Date: 2008-05-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-09 00:00:00
Activity Status Date: 2009-01-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-08 00:00:00
Activity Status Date: 2010-10-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-05-05 00:00:00
Activity Status Date: 1999-05-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-17 00:00:00
Activity Status Date: 1999-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-26 00:00:00
Activity Status Date: 2000-10-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-03-29 00:00:00
Activity Status Date: 2001-03-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-04-05 00:00:00
Activity Status Date: 2001-04-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-25 00:00:00
Activity Status Date: 2003-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-04-28 00:00:00
Activity Status Date: 2004-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-04-30 00:00:00
Activity Status Date: 2004-04-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-28 00:00:00
Activity Status Date: 2004-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-01 00:00:00
Activity Status Date: 2005-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-15 00:00:00
Activity Status Date: 2008-01-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-28 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2008-08-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-28 00:00:00
Activity Status Date: 2010-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Addressed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-06-01 14:34:34
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-08-12 19:41:52
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-06-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-10-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-08-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-09-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-01-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-05-13 00:00:00
Activity Group: Case File
Activity Type: Case File

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-07-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2005-11-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-08-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2008-08-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2009-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-02-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-22 00:00:00
Activity Status Date: 2016-01-26 18:34:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-16 00:00:00
Activity Status Date: 2016-01-26 18:36:51
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-28 00:00:00
Activity Status Date: 2016-01-26 18:39:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-06 00:00:00
Activity Status Date: 2016-01-26 18:42:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-01 00:00:00
Activity Status Date: 2016-01-26 18:44:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-04 00:00:00
Activity Status Date: 2016-01-26 18:47:09
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-13 00:00:00
Activity Status Date: 2016-01-26 18:49:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-26 00:00:00
Activity Status Date: 2016-01-26 18:51:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-01-26 18:54:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-04 00:00:00
Activity Status Date: 2016-01-26 18:55:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-05 00:00:00
Activity Status Date: 2016-01-26 18:57:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-17 00:00:00
Activity Status Date: 2016-01-26 18:59:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-24 00:00:00
Activity Status Date: 2016-01-26 19:01:10
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-25 00:00:00
Activity Status Date: 2016-01-26 19:03:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-07 00:00:00
Activity Status Date: 2016-01-26 19:05:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-08 00:00:00
Activity Status Date: 2016-01-26 19:07:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-20 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2016-01-26 19:10:18
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-23 00:00:00
Activity Status Date: 2016-01-26 19:13:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-28 00:00:00
Activity Status Date: 2016-01-26 19:15:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-08 00:00:00
Activity Status Date: 2016-01-26 19:17:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-12 00:00:00
Activity Status Date: 2016-01-26 19:19:33
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-18 00:00:00
Activity Status Date: 2016-01-26 19:21:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-06-09 00:00:00
Activity Status Date: 2016-01-26 19:23:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-31 00:00:00
Activity Status Date: 2016-01-26 18:30:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-08-25 00:00:00
Activity Status Date: 2016-10-07 14:30:01
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-19 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-26 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-08 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-05 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-28 00:00:00
Activity Status Date: 1998-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-06 00:00:00
Activity Status Date: 1998-09-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-10-13 00:00:00
Activity Status Date: 1998-10-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-08-24 00:00:00
Activity Status Date: 1999-08-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-01 00:00:00
Activity Status Date: 1999-09-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-11-03 00:00:00
Activity Status Date: 1999-11-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-04-18 00:00:00
Activity Status Date: 2000-04-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-08-17 00:00:00
Activity Status Date: 2000-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-01-19 00:00:00
Activity Status Date: 2001-01-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-07-24 00:00:00
Activity Status Date: 2001-07-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-10-25 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2001-10-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-07 00:00:00
Activity Status Date: 2002-05-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-24 00:00:00
Activity Status Date: 2003-06-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-10-01 00:00:00
Activity Status Date: 2004-10-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-10 00:00:00
Activity Status Date: 2005-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-01 00:00:00
Activity Status Date: 2006-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-15 00:00:00
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-23 00:00:00
Activity Status Date: 2008-05-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-08 00:00:00
Activity Status Date: 2010-10-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-07 00:00:00
Activity Status Date: 1998-04-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-08-06 00:00:00
Activity Status Date: 1998-08-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-23 00:00:00
Activity Status Date: 1998-09-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-13 00:00:00
Activity Status Date: 1999-03-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-06-17 00:00:00
Activity Status Date: 1999-06-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: 1999-07-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-01 00:00:00
Activity Status Date: 2000-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-14 00:00:00
Activity Status Date: 2000-03-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-07-17 00:00:00
Activity Status Date: 2000-07-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-07-26 00:00:00

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2000-07-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-08-15 00:00:00
Activity Status Date: 2000-08-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-08 00:00:00
Activity Status Date: 2000-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-06-29 00:00:00
Activity Status Date: 2001-06-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-05 00:00:00
Activity Status Date: 2002-02-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-25 00:00:00
Activity Status Date: 2003-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-28 00:00:00
Activity Status Date: 2004-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-30 00:00:00
Activity Status Date: 2004-04-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-28 00:00:00
Activity Status Date: 2004-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-01 00:00:00
Activity Status Date: 2005-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-21 00:00:00
Activity Status Date: 2007-03-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-15 00:00:00
Activity Status Date: 2008-01-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-28 00:00:00
Activity Status Date: 2010-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

PHILLIPS 66 LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-04-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-06-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110058300173

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

S98
SE
1/2-1
0.956 mi.
5049 ft.

Relative:
Higher

Actual:
61 ft.

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON P **ENVIROSTOR** **S103634906**
1660 W ANAHEIM ST **CPS-SLIC** **N/A**
WILMINGTON, CA 90744 **CHMIRS**
EMI
Site 2 of 2 in cluster S **ICE**
HWP

ENVIROSTOR:
Facility ID: 19280289
Status: Refer: RCRA
Status Date: 03/01/1995
Site Code: 200436
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77681
Longitude: -118.2889
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * OIL/WATER SEPARATION SLUDGE * OTHER STILL BOTTOM WASTE Asbestos Containing Materials (ACM * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL * OTHER INORGANIC SOLID WASTE * OTHER SPENT CATALYST * UNSPECIFIED ORGANIC LIQUID MIXTURE * FCC WASTE * SULFUR SLUDGE * TETRAETHYL LEAD SLUDGE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: UNION OIL CO OF CA LOS ANGELES REFINERY
Alias Type: Alternate Name
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 200436
Alias Type: Project Code (Site Code)
Alias Name: 19280289
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/11/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/15/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE RECEIVED

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1995
Comments: NFA for Site Mitigation Operations, this is a RCRA facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: INSPECTION(STATE) WATER SAMPLESWERE TAKEN OVER YRS BY RWQ SOURCE ACT: REFINERY OPERATION YR OF OPER: T/C W/ E.D.LANGEVIN,UNION, 213-513-7600,3/28/84 - 1940 TO PRESENT FINAL STRATEGY RECOM - WATER & SOIL ANALYSIS PRELIM ASSESS DONE RCRA 3012

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 80001531
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: 400395
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB
Lead Agency: WQC
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77693
Longitude: -118.2887
APN: 7412022010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7412022010
Alias Type: APN
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 400395
Alias Type: Project Code (Site Code)
Alias Name: 80001531
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/09/2001
Comments: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 11/14/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 03/10/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 07/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/22/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/29/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/28/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Completed Date: 11/05/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/22/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/25/1985
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71002152
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77845
Longitude: -118.2890
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 71002152
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 09/29/2005
Global Id: SLT43132130
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.777194
Longitude: -118.288711
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0231
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern: Benzene, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Other Petroleum
Site History: The Wilmington Plant (Plant) has been in operation since June 1919 with refinery operations initiated in 1940. Currently the Wilmington Plant serves as the upgrade unit of the ConocoPhillips Los Angeles Refinery (COP LAR), which consists of two plants located in Carson and Wilmington, California. LAR Wilmington processes intermediate petroleum streams (i.e., naphtha distillates, diesel distillates, and gas oil) provided by pipeline from the Carson Plant into finished products. The major products of the facility currently include automotive gasoline, jet fuel, and diesel. Since 1985, the refinery has been under numerous directives, issued by the Water Board under authority in sections 13304 and 13267 of the California Water Code (CWC), to investigate and cleanup releases of wastes. Cleanup and Abatement Order (CAO) No. 93-48, issued by the Executive Officer of RWQCB on August 10, 1993, directing the former owner of Wilmington Plant, Unocal, to complete the investigation and assessment for onsite and offsite soil and groundwater contamination. In 1994, this Order was revised, by the Executive Officer, in CAO No. 94-139. On June 28, 2005 RWQCB ordered, pursuant to section 13267 of the CWC, COP to perform investigation and analysis to determine the extent and magnitude of TBA impacts on Lynwood and Silverado aquifers. COP is in compliance with the Orders, currently carrying out tasks including: semi-annual groundwater monitoring and reporting; O&M hydrocarbon recovery system; LNAPL mobility study; deeper aquifers groundwater investigation to further assess TBA migration; implementation of

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Interim Remedial Action Plan for the southwestern plume, focusing Blocks 72 through 74 remediation system design and installation; refine conceptual site model; pilot stest on the air-sparge and vapor extraction system for the north plume . The Master Work Plan was previously updated in 2015, and will be updated by September 2017.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	5-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	1/1/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	1-5101
OES notification:	08/28/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1415
Year:	2011
Agency:	Conoco-Phillips
Incident Date:	8/28/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller their refinery is having a flaring event for an unknown reason. They are currently investigating the cause of the flaring event. This does not involve a pipeline. They believe the release has stopped at this time.
OES Incident Number:	4-6690
OES notification:	11/23/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1515
Year:	2014
Agency:	Phillips 66
Incident Date:	11/23/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Planned unit start up caused the release, material is combusting and venting directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	15-0001
OES notification:	01/01/2015

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Agency:	Phillips 66 Refinery
Incident Date:	2015-01-01 00:00:00
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	17-0529
OES notification:	01/18/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	N/A
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	309
Year:	2017
Agency:	Phillips 66
Incident Date:	01/18/2017
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	N/A
E Date:	Not reported
Substance:	SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP States: An upset in the refinery caused a release of SO2 in the amount of greater than 500 pounds The release has been stopped. The SO2 is unrecoverable in the atmosphere.
OES Incident Number:	10-4765
OES notification:	08/10/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1030
Year:	2010
Agency:	Conoco Phillips
Incident Date:	8/10/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Water/Hydrocarbons
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a potential release to ground water. There was a release of processed sewer water in an excavation. The water is being

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

vacuumed out of the trench.

OES Incident Number:	4-5974
OES notification:	10/20/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1715
Year:	2014
Agency:	Phillips 66
Incident Date:	10/20/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per the caller for a yet to be determined reason a flaring event occured.
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	17-0100
OES notification:	01/05/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1415
Year:	2017
Agency:	Phillips 66 Co.
Incident Date:	01/05/2017
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Over 500 lbs.of sulfur dioxide is still releasing in the atmosphere due to power supply failure. Release is not cotained and still releasing. Stabilizing the operation will be conducted to stop the release. No waterways impacted.
OES Incident Number:	4-4678
OES notification:	08/20/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1731
Year:	2014
Agency:	Phillips 66
Incident Date:	8/20/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Flaring event is causing the release, exact cause is under investigation, RP is handling containment and no clean up required.
OES Incident Number:	15-0221
OES notification:	01/12/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1940
Year:	2015
Agency:	Phillips 66
Incident Date:	01/12/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller for a yet to be determined reason a flaring event occured.
OES Incident Number:	4-4528
OES notification:	08/13/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	420
Year:	2014
Agency:	Phillips 66
Incident Date:	8/13/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Acid - Sulfuric Type
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	During transportation by tanker truck a lid was possibly left ajar causing the release, material is flowing onto asphalt on various roadways, truck has not been located and may still be releasing material, truck capacity is unknown, RP is handling containment and clean up.
OES Incident Number:	10-7429
OES notification:	12/10/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	930
Year:	2010
Agency:	Conoco Phillips
Incident Date:	12/10/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release was due to flaring from unknown cause. Not reported
OES Incident Number:	10-0884
OES notification:	02/02/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	445
Year:	2010
Agency:	Conoco Phillips
Incident Date:	2/2/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	sulphur dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A flaring event occurred for unknown reasons. Investigation underway.
OES Incident Number:	15-0312
OES notification:	01/17/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	19
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/17/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Facility venting for unknown reasons, material is combusting and venting directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	4-0536
OES notification:	01/28/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1430-1500
Year:	2014
Agency:	Phillips 66
Incident Date:	1/28/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide, SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Unscheduled flaring due to unknown causes, material combusted and vented directly into the atmosphere, RP is handling the containment and no clean up required.
OES Incident Number:	15080
OES notification:	Not reported
OES Date:	8/12/1996
OES Time:	01:43:28 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	dissipated
Containment:	Not reported
What Happened:	Not reported
Type:	VAPOR
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	unocal la-refinery
Incident Date:	1550/10 Aug 96
Admin Agency:	Not reported
Amount:	over 10 lbs.
Contained:	NO
Site Type:	REF
E Date:	Not reported
Substance:	nitrogen dioxide
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	unit 119 b101 scr fan tripped out due to power failer releasing excess of nitrogen dioxide. was back on line within approx. 2 hrs.
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	56436
Air District Name:	SC
SIC Code:	9999
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	56436
Air District Name:	SC
SIC Code:	4959
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	176730
Air District Name:	SC
SIC Code:	4953
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.027524475524
Reactive Organic Gases Tons/Yr:	0.01968
Carbon Monoxide Emissions Tons/Yr:	0.26915
NOX - Oxides of Nitrogen Tons/Yr:	1.04933
SOX - Oxides of Sulphur Tons/Yr:	0.34831
Particulate Matter Tons/Yr:	0.0212

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0.0212

Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	176730
Air District Name:	SC
SIC Code:	4953
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.15221241081
Reactive Organic Gases Tons/Yr:	0.13028645
Carbon Monoxide Emissions Tons/Yr:	0.512529
NOX - Oxides of Nitrogen Tons/Yr:	1.40437824
SOX - Oxides of Sulphur Tons/Yr:	0.329014
Particulate Matter Tons/Yr:	0.02002695
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02002695

ICE:

Envirostor ID:	3001177
EPA ID:	CAD008237679
Site Type:	INSPECTION
Facility Status:	No Action

Enforcement:

Action Type:	Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date:	10/16/2001

Inspection:

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	11/08/2006
Violation Class:	Minor
RTC Date:	11/15/2006
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	10/18/2000
Violation Class:	Class 1
RTC Date:	11/16/2000
Action Type:	Financial Records Review - Post-Closure
Action Date:	04/19/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	04/20/2005
Violation Class:	Minor
RTC Date:	04/21/2005
Action Type:	Financial Records Review - Post-Closure
Action Date:	12/08/2009
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	11/03/2009

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 11/22/1999
Violation Class: Minor
RTC Date: 11/24/1999

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2005
Violation Class: Class 2
RTC Date: 09/02/2005

Action Type: Groundwater Monitoring Evaluation - Treatment, Storage and Disposal
Action Date: 04/08/2002
Violation Class: Class 2
RTC Date: 02/29/2004

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/26/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 09/14/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 03/22/2016
Violation Class: Class 2, Minor
RTC Date: 03/23/2016

HWP:
EPA Id: CAD008237679
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.77693
Longitude: -118.2887
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Team: PHILLIP BLUM
Supervisor: MIKE ESHAGHIAN
Site Code: 400392
Assembly District: 70
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 04/08/2013

EPA Id: CAD008237679

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 07/31/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION
Actual Date: 07/20/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 01/24/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 03/05/2013

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 07/31/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 07/31/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/26/1994

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 01/16/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - CALL-IN LETTER ISSUED

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Actual Date: 09/25/1990

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date: 01/29/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 07/25/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 09/23/1991

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 07/18/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 07/25/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date: 07/18/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 07/31/2017

EPA Id: CAD008237679

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 07/06/2017

Closure:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 05/08/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/04/2007

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 07/24/1995

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 06/10/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 07/03/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 05/20/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 07/24/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 07/24/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 11/23/1998

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 12/24/1998

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - TECHNICAL COMPLETE LETTER
Actual Date: 05/08/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - CALL-IN LETTER ISSUED
Actual Date: 03/29/1996

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 08/26/1994

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 05/20/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/08/2007

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - DISCLOSURE (CLEARED)
Actual Date: 07/25/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/25/1996

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - CEQA DETERMINATION
Actual Date: 07/24/2008

Alias:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: Project Code (Site Code)
Alias: 400392

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: APN
Alias: 7412022010

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: Alternate Name
Alias: PHILLIPS 66 Company-LARW

Maintenance:
EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 02/25/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/17/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 09/19/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 02/26/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/25/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/30/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Received Date: 01/23/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/26/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/24/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 04/23/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/23/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 12/31/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/15/2015

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/15/2015

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/12/2015

EPA Id: CAD008237679
Title: Semiannual Groundwater Monitoring Report report
Document Type: Monitoring Report - Groundwater
Received Date: 07/28/2016

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/11/2016

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 12/21/2016

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Title: Spring Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Received Date: 01/04/2018

EPA Id: CAD008237679
Title: Third Quarter 2013 Progress Report
Document Type: Monitoring Report - Groundwater
Received Date: 01/13/2014

EPA Id: CAD008237679
Title: Land Use Covenant Annual Inspection and Compliance Report for Stormwater Holding Basin No. 2 located
Document Type: Deed Restriction / LUC Monitoring Report
Received Date: 08/02/2016

EPA Id: CAD008237679
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Received Date: 06/19/2017

EPA Id: CAD008237679
Title: The Fourth Quarter 2016 Progress Report for Cleanup and Abatement Order No. 94-139, File 85-8, Phillips
Document Type: Monitoring Report - Groundwater
Received Date: 06/19/2017

EPA Id: CAD008237679
Title: ConocoPhillips (P66) Wilmington Plant LUC
Document Type: Deed Restriction / LUC Issued
Received Date: 08/23/2013

EPA Id: CAD008237679
Title: Land Use Covenant
Document Type: Deed Restriction / LUC Issued
Received Date: 08/23/2013

Count: 20 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S100833322	GOLDEN EAGLE REFINERY	2100 SOUTH FIGUEROA STREET	90745	CA BOND EXP. PLAN
CARSON	S101480710	TED HAMMETT (CARSON)	EAST OF ALAMEDA & NORTH OF SEP	90745	ENVIROSTOR
CARSON	S111075957	K & S RUBBISH	26300 SOUTH VERMONT AVENUE		SWF/LF
LONG BEACH	S107535929		710 FREEWAY & PACIFIC COAST HI		CDL
LONG BEACH	1009142528	PACIFIC COAST CLEANERS 32T AV	PACIFIC AV		EDR Hist Cleaner
PALOS VERDES	1003878806	PALOS VERDES LDFL # 2	PALOS VERDES DR	90274	SEMS-ARCHIVE
RANCHO PALOS VE	S103547010	GOLDEN COVE SHOPPING CENTER	31100 PALOS VERDES	90275	CPS-SLIC
RANCHO PALOS VERDES	S101297842	UNOCAL #7109	31200 PALOS VERDES DR W	90274	LUST, SWEEPS UST, HIST CORTESI
SAN PEDRO	1003878475	LOS ANGELES HARBOR BERTH 115	HARBOR BLVD	90732	SEMS-ARCHIVE, ENVIROSTOR
SAN PEDRO	1004654692	FORT MACARTHUR	PACIFIC AVE	90731	SEMS-ARCHIVE
WILMINGTON	S106387067	WILMINGTON TOWN LOT #369, 371, 372	ANAHEIM	90744	CPS-SLIC
WILMINGTON	S103878767	WILMINGTON TOWN LOT #274	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878749	WILMINGTON TOWN LOT #156	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878746	WILMINGTON TOWN LOT #114	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878745	WILMINGTON TOWN LOT #113	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878736	WILMINGTON TOWN LOT #040	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878730	WILMINGTON TOWN LOT #018	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S105721836	ACTA SOUTH - MAINTENANCE YARD	SOUTHERN PACIFIC	90744	CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/22/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 66

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 66

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/16/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 78

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/12/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 48

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 15

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 39

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/30/2018
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 47

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2017
Date Data Arrived at EDR: 08/18/2017
Date Made Active in Reports: 09/21/2017
Number of Days to Update: 34

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/27/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 27

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 01/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 46

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 02/08/2018
Date Data Arrived at EDR: 02/08/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 0

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 01/19/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 63

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 02/15/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/24/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 7
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/11/2017
Date Data Arrived at EDR: 12/26/2017
Date Made Active in Reports: 02/09/2018
Number of Days to Update: 45
Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198
Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/09/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 01/04/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 02/28/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 72

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2017
Date Data Arrived at EDR: 12/21/2017
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 92

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/23/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/02/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 38

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA LIVERMORE-PLEASANTON
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO
Cupa facilities

Date of Government Version: 04/20/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: DRYCLEAN AVAQMD
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 52

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/11/2018
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 03/29/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 36

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 08/15/2017
Number of Days to Update: 147

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/23/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 54

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 02/16/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 46

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/21/2018
Next Scheduled EDR Contact: 06/04/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 01/09/2018
Date Made Active in Reports: 02/06/2018
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 03/14/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 04/19/2018
Number of Days to Update: 45

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/05/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/23/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/21/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

OTHER OIL GAS: OTHER OIL & GAS (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

PROD WATER PONDS: PROD WATER PONDS (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

PROJECT: PROJECT (GEOTRACKER)
Projects sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

NON-CASE INFO: NON-CASE INFO (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

SAMPLING POINT: SAMPLING POINT (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

WELL STIM PROJ: WELL SAMP PROJ (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

CIWQS: The California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 60

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

UIC GEO: UIC GEO (GEOTRACKER)

Underground control injection sites

Date of Government Version: 03/12/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 51

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 01/11/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 42

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List
Cupa Facility List

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 10

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/26/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 14

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 48

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/05/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 40

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 9

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 04/30/2018
Number of Days to Update: 53

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 47

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 06/08/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 08/04/2017
Number of Days to Update: 56

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 02/02/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 54

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 11/14/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 28

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 29

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 01/17/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 28

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 40

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 03/30/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 28

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 01/11/2018
Date Data Arrived at EDR: 01/12/2018
Date Made Active in Reports: 02/08/2018
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 15

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 03/29/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 18

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 30

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 01/31/2018
Date Data Arrived at EDR: 02/01/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 41

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/05/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 35

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/28/2018
Number of Days to Update: 49

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/15/2018
Date Data Arrived at EDR: 03/19/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 46

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/15/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/15/2018
Number of Days to Update: 50

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/19/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/05/2018
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 01/03/2018
Date Made Active in Reports: 02/14/2018
Number of Days to Update: 42

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 11/01/2017
Date Data Arrived at EDR: 11/03/2017
Date Made Active in Reports: 11/17/2017
Number of Days to Update: 14

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/30/2017
Date Data Arrived at EDR: 12/01/2017
Date Made Active in Reports: 01/16/2018
Number of Days to Update: 46

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 03/05/2018
Date Data Arrived at EDR: 03/07/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 40

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/23/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 11

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/19/2017
Number of Days to Update: 42

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/02/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/20/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 43

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 07/02/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/16/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/18/2017
Number of Days to Update: 31

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/14/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/15/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/07/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/20/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 27

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/04/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 42

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 52

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 16

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 04/16/2018
Number of Days to Update: 20

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/09/2018
Number of Days to Update: 33

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/22/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 02/06/2018
Date Data Arrived at EDR: 02/07/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 37

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 01/08/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 29

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 02/28/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA Facility List
Cupa facilities

Date of Government Version: 01/26/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/19/2018
Number of Days to Update: 53

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA Facility List
Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/16/2018
Number of Days to Update: 50

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 48

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2017
Date Data Arrived at EDR: 01/25/2018
Date Made Active in Reports: 03/20/2018
Number of Days to Update: 54
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/28/2018
Date Data Arrived at EDR: 03/14/2018
Date Made Active in Reports: 03/30/2018
Number of Days to Update: 16
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/14/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/27/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 31
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/29/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/01/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 03/21/2018
Number of Days to Update: 47
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/31/2018
Date Made Active in Reports: 03/09/2018
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2018
Next Scheduled EDR Contact: 06/25/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1280 PACIFIC COAST HIGHWAY
1280 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

TARGET PROPERTY COORDINATES

Latitude (North):	33.788547 - 33° 47' 18.77''
Longitude (West):	118.299487 - 118° 17' 58.15''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	379692.0
UTM Y (Meters):	3739276.0
Elevation:	44 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5633779 TORRANCE, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

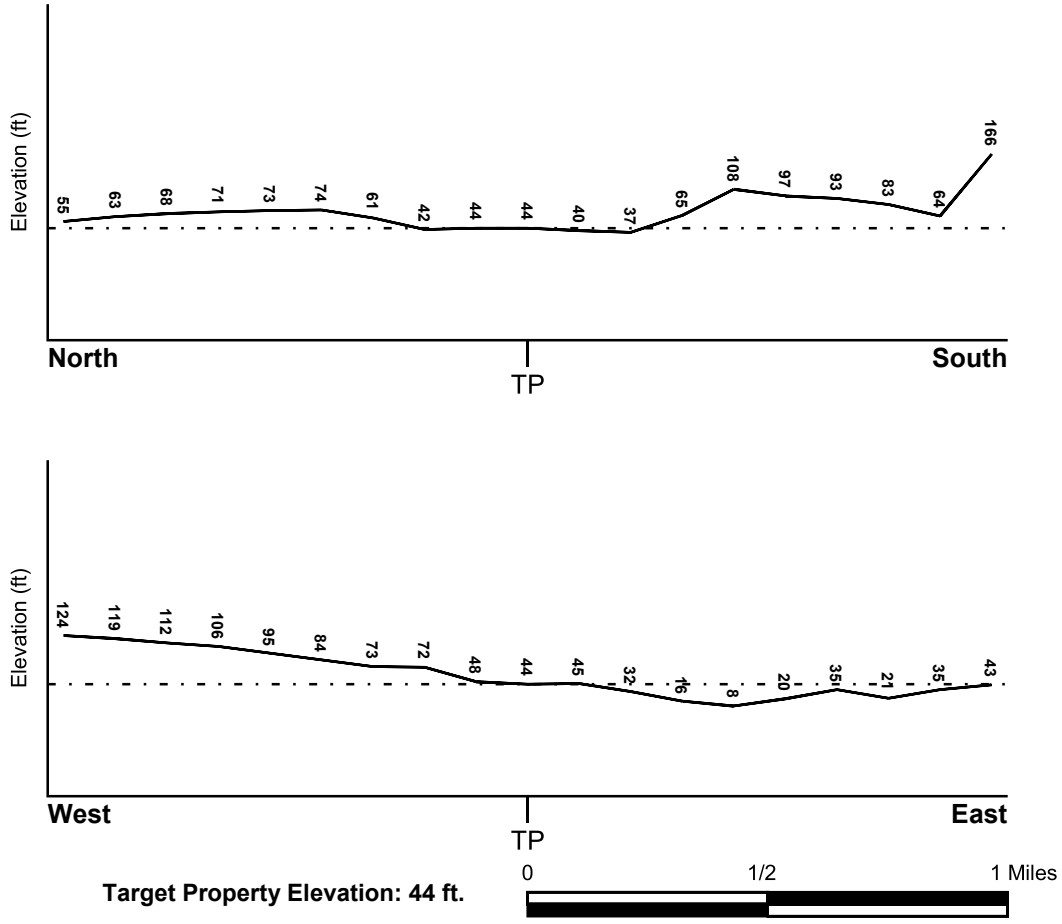
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 44 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1945F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1940F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
TORRANCE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Surficial Soil Types:
sandy loam
gravelly - sandy loam
silt loam
clay
fine sand
gravelly - sand
sand
fine sandy loam

Shallow Soil Types:
fine sandy loam
gravelly - loam
sandy clay
sandy clay loam
clay
silty clay
sand

Deeper Soil Types:
gravelly - sandy loam
sandy loam
very gravelly - sandy loam
stratified
very fine sandy loam
weathered bedrock
sand
gravelly - fine sandy loam
silty clay loam
clay loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A3	USGS40000138154	1/2 - 1 Mile ESE
A4	USGS40000138153	1/2 - 1 Mile ESE
5	USGS40000138108	1/2 - 1 Mile SE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADW60000019558	1/2 - 1 Mile ESE
A2	CADW60000019557	1/2 - 1 Mile ESE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG11000212492	1/4 - 1/2 Mile NE
2	CAOG11000212473	1/2 - 1 Mile NNE
A3	CAOG11000212490	1/2 - 1 Mile North
B4	CAOG11000211755	1/2 - 1 Mile NNE
A5	CAOG11000212338	1/2 - 1 Mile North
B6	CAOG11000212830	1/2 - 1 Mile NNE
C7	CAOG11000211806	1/2 - 1 Mile North
A8	CAOG11000211910	1/2 - 1 Mile North
D9	CAOG11000212891	1/2 - 1 Mile NNE
D10	CAOG11000212133	1/2 - 1 Mile NE
D11	CAOG11000212006	1/2 - 1 Mile NNE

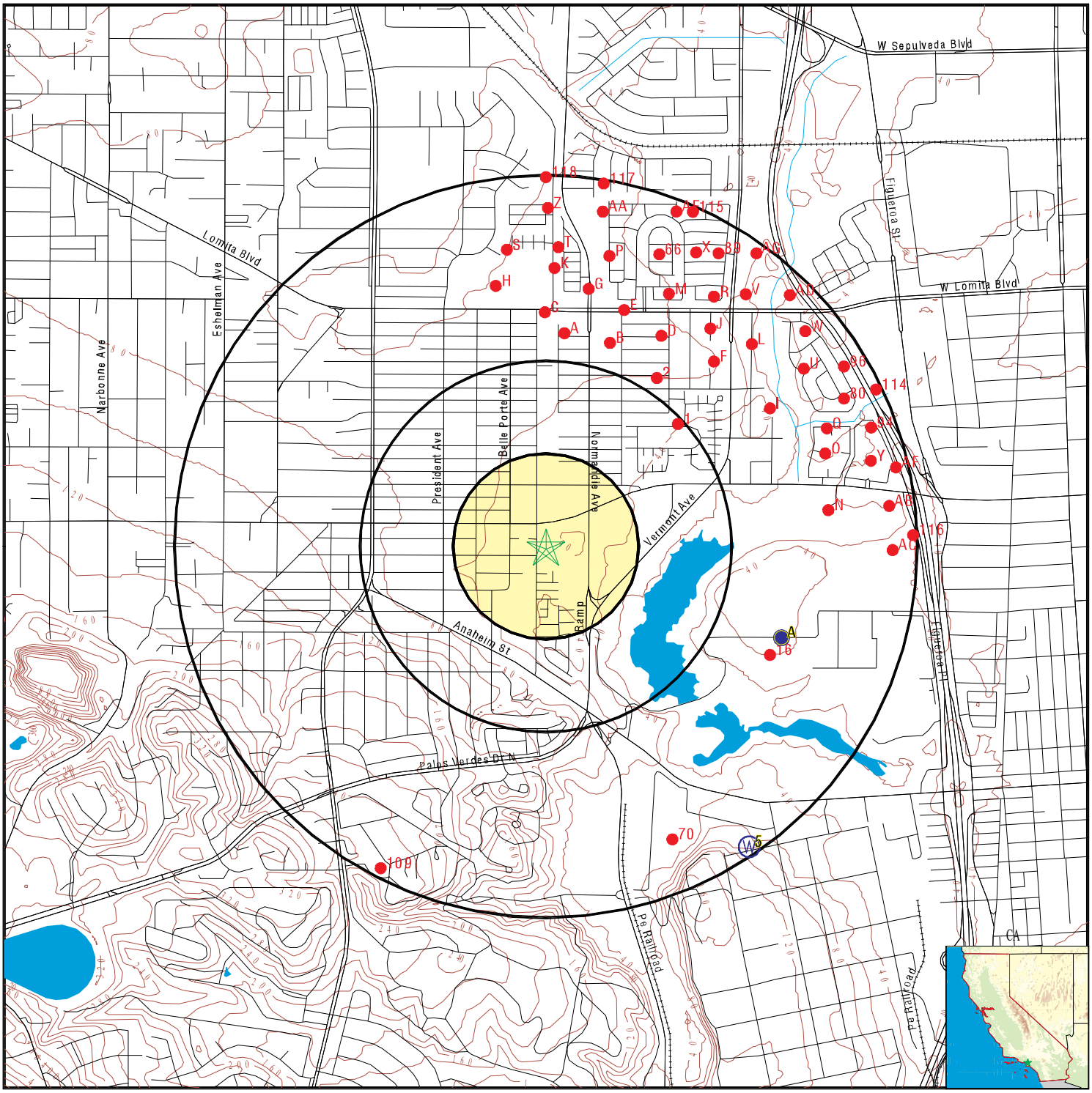
STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E12	CAOG11000212890	1/2 - 1 Mile NNE
F13	CAOG11000189711	1/2 - 1 Mile NE
E14	CAOG11000212782	1/2 - 1 Mile NNE
C15	CAOG11000213539	1/2 - 1 Mile North
16	CAOG11000212757	1/2 - 1 Mile ESE
F17	CAOG11000192732	1/2 - 1 Mile NE
G18	CAOG11000213363	1/2 - 1 Mile North
D19	CAOG11000212008	1/2 - 1 Mile NNE
D20	CAOG11000212491	1/2 - 1 Mile NNE
H21	CAOG11000212613	1/2 - 1 Mile NNW
I22	CAOG11000212296	1/2 - 1 Mile NE
F23	CAOG11000192704	1/2 - 1 Mile NE
J24	CAOG11000212005	1/2 - 1 Mile NE
E25	CAOG11000192657	1/2 - 1 Mile NNE
I26	CAOG11000192705	1/2 - 1 Mile ENE
K27	CAOG11000212767	1/2 - 1 Mile North
G28	CAOG11000213365	1/2 - 1 Mile North
K29	CAOG11000213364	1/2 - 1 Mile North
J30	CAOG11000212344	1/2 - 1 Mile NE
H31	CAOG11000212612	1/2 - 1 Mile North
L32	CAOG11000192702	1/2 - 1 Mile NE
J33	CAOG11000212007	1/2 - 1 Mile NE
M34	CAOG11000192679	1/2 - 1 Mile NNE
N35	CAOG11000192712	1/2 - 1 Mile East
N36	CAOG11000192711	1/2 - 1 Mile East
M37	CAOG11000192659	1/2 - 1 Mile NNE
M38	CAOG11000192660	1/2 - 1 Mile NNE
N39	CAOG11000192710	1/2 - 1 Mile East
L40	CAOG11000192733	1/2 - 1 Mile NE
N41	CAOG11000192709	1/2 - 1 Mile East
K42	CAOG11000212177	1/2 - 1 Mile North
N43	CAOG11000192708	1/2 - 1 Mile East
O44	CAOG11000212556	1/2 - 1 Mile ENE
O45	CAOG11000212557	1/2 - 1 Mile ENE
K46	CAOG11000192694	1/2 - 1 Mile North
N47	CAOG11000192707	1/2 - 1 Mile East
N48	CAOG11000192706	1/2 - 1 Mile East
P49	CAOG11000192674	1/2 - 1 Mile NNE
Q50	CAOG11000212558	1/2 - 1 Mile ENE
R51	CAOG11000192678	1/2 - 1 Mile NNE
S52	CAOG11000212145	1/2 - 1 Mile North
P53	CAOG11000192909	1/2 - 1 Mile North
T55	CAOG11000192908	1/2 - 1 Mile North
T54	CAOG11000192907	1/2 - 1 Mile North
T56	CAOG11000212017	1/2 - 1 Mile North
P57	CAOG11000192658	1/2 - 1 Mile NNE
S58	CAOG11000212018	1/2 - 1 Mile North
R59	CAOG11000212025	1/2 - 1 Mile NE
R60	CAOG11000192656	1/2 - 1 Mile NNE
U62	CAOG11000192861	1/2 - 1 Mile NE
U61	CAOG11000192860	1/2 - 1 Mile NE
L63	CAOG11000192703	1/2 - 1 Mile NE
U64	CAOG11000192868	1/2 - 1 Mile ENE
O65	CAOG11000212555	1/2 - 1 Mile ENE
66	CAOG11000212024	1/2 - 1 Mile NNE
Q67	CAOG11000212554	1/2 - 1 Mile ENE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
U68	CAOG11000212922	1/2 - 1 Mile NE
V69	CAOG11000192673	1/2 - 1 Mile NE
70	CAOG11000204895	1/2 - 1 Mile SSE
V71	CAOG11000192661	1/2 - 1 Mile NE
V72	CAOG11000192662	1/2 - 1 Mile NE
U74	CAOG11000192872	1/2 - 1 Mile NE
U73	CAOG11000192871	1/2 - 1 Mile NE
W75	CAOG11000192875	1/2 - 1 Mile NE
X76	CAOG11000192667	1/2 - 1 Mile NNE
W77	CAOG11000212346	1/2 - 1 Mile NE
Y78	CAOG11000212061	1/2 - 1 Mile ENE
Z79	CAOG11000212028	1/2 - 1 Mile North
80	CAOG11000192866	1/2 - 1 Mile ENE
W81	CAOG11000192864	1/2 - 1 Mile NE
W82	CAOG11000192865	1/2 - 1 Mile NE
X83	CAOG11000192684	1/2 - 1 Mile NNE
AA85	CAOG11000212011	1/2 - 1 Mile North
AA84	CAOG11000204949	1/2 - 1 Mile North
AB86	CAOG11000212892	1/2 - 1 Mile East
Z87	CAOG11000214375	1/2 - 1 Mile North
AC88	CAOG11000211909	1/2 - 1 Mile East
89	CAOG11000192668	1/2 - 1 Mile NNE
AA91	CAOG11000192651	1/2 - 1 Mile NNE
AA90	CAOG11000192650	1/2 - 1 Mile NNE
Y92	CAOG11000212962	1/2 - 1 Mile ENE
Z93	CAOG11000212262	1/2 - 1 Mile North
94	CAOG11000212060	1/2 - 1 Mile ENE
AD95	CAOG11000192676	1/2 - 1 Mile NE
96	CAOG11000212920	1/2 - 1 Mile ENE
AD97	CAOG11000192677	1/2 - 1 Mile NE
W98	CAOG11000192869	1/2 - 1 Mile NE
W99	CAOG11000192870	1/2 - 1 Mile NE
AD101	CAOG11000192664	1/2 - 1 Mile NE
AD100	CAOG11000192663	1/2 - 1 Mile NE
AD102	CAOG11000192665	1/2 - 1 Mile NE
AB103	CAOG11000212610	1/2 - 1 Mile East
AE104	CAOG11000212019	1/2 - 1 Mile NNE
AC105	CAOG11000212563	1/2 - 1 Mile East
AF106	CAOG11000212963	1/2 - 1 Mile ENE
AG107	CAOG11000192669	1/2 - 1 Mile NE
AF108	CAOG11000208220	1/2 - 1 Mile East
109	CAOG11000204908	1/2 - 1 Mile SSW
AE111	CAOG11000192653	1/2 - 1 Mile NNE
AE110	CAOG11000192652	1/2 - 1 Mile NNE
AG112	CAOG11000192685	1/2 - 1 Mile NE
AG113	CAOG11000192686	1/2 - 1 Mile NE
114	CAOG11000192867	1/2 - 1 Mile ENE
115	CAOG11000192683	1/2 - 1 Mile NNE
116	CAOG11000212562	1/2 - 1 Mile East
117	CAOG11000192846	1/2 - 1 Mile North
118	CAOG11000192821	1/2 - 1 Mile North

PHYSICAL SETTING SOURCE MAP - 5309178.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	1280 Pacific Coast Highway	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	1280 Pacific Coast Highway Harbor City CA 90710	CONTACT:	Colleen Tubridy
LAT/LONG:	33.788547 / 118.299487	INQUIRY #:	5309178.2s
		DATE:	May 23, 2018 5:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
ESE
1/2 - 1 Mile
Higher

CA WELLS **CADW60000019558**

Objectid:	19558
Latitude:	33.785
Longitude:	-118.2889
Site code:	337850N1182889W002
State well numbe:	04S13W31F002S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles
Basin code:	’4-11.03’
Basin desc:	West Coast
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000019558

A2
ESE
1/2 - 1 Mile
Higher

CA WELLS **CADW60000019557**

Objectid:	19557
Latitude:	33.785
Longitude:	-118.2889
Site code:	337850N1182889W001
State well numbe:	04S13W31F001S
Local well name:	’’
Well use id:	6
Well use descrip:	Unknown
County id:	19
County name:	Los Angeles
Basin code:	’4-11.03’
Basin desc:	West Coast
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000019557

A3
ESE
1/2 - 1 Mile
Lower

FED USGS **USGS40000138154**

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334706118171702		
Monloc name:	004S013W31F002S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7849611
Longitude:	-118.2880194	Sourcemap scale:	24000

Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	39.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19690416	Welldepth:	105
Welldepth units:	ft	Wellholedepth:	243
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1999-03-07	66.45	

A4
ESE **FED USGS** **USGS40000138153**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334706118171701		
Monloc name:	004S013W31F001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7849611
Longitude:	-118.2880194	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	39.0
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19690416	Welldepth:	225
Welldepth units:	ft	Wellholedepth:	243
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1999-03-07	77.69	

5
SE **FED USGS** **USGS40000138108**
1/2 - 1 Mile
Higher

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Org. Identifier:	USGS-CA		
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-334637118172701		
Monloc name:	004S013W31N004S		
Monloc type:	Well		
Monloc desc:	sample collected at wellhead spigot		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.7768056
Longitude:	-118.2899722	Sourcemap scale:	24000
Horiz Acc measure:	.5	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	80
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	California Coastal Basin aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19871119	Welldepth:	822
Welldepth units:	ft	Wellholedepth:	836
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
NE **OIL_GAS** **CAOG11000212492**
1/4 - 1/2 Mile

District nun:	1	Api number:	03717466
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Dawn	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000212492		

2
NNE **OIL_GAS** **CAOG11000212473**
1/2 - 1 Mile

District nun:	1	Api number:	03717447
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Padran Oil Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mcewen	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212473		

A3
North **OIL_GAS** **CAOG11000212490**
1/2 - 1 Mile

District nun:	1	Api number:	03717464
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	43
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212490		

B4
NNE **OIL_GAS** **CAOG11000211755**
1/2 - 1 Mile

District nun:	1	Api number:	03716614
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Isco Petro. Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Extension	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000211755		

A5
North **OIL_GAS** **CAOG11000212338**
1/2 - 1 Mile

District nun:	1	Api number:	03717290
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Coast Supply Co. Ltd.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Western	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212338		

B6
NNE **OIL_GAS** **CAOG11000212830**
1/2 - 1 Mile

District nun:	1	Api number:	03717904
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Rubin Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Alford	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212830		

C7
North **OIL_GAS** **CAOG11000211806**
1/2 - 1 Mile

District nun:	1	Api number:	03716665
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lespring Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Holden	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000211806		

Map ID
Direction
Distance

Database EDR ID Number

A8
North
1/2 - 1 Mile

OIL_GAS **CAOG11000211910**

District nun:	1	Api number:	03716803
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Century Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Howery	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000211910		

D9
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212891**

District nun:	1	Api number:	03717971
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Rothschild Oil Company		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Anderson Community	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212891		

D10
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212133**

District nun:	1	Api number:	03717065
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Petroleum Midway Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	14
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Capital	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212133		

D11
NNE **OIL_GAS** **CAOG11000212006**
1/2 - 1 Mile

District nun:	1	Api number:	03716904
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Midge Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Kupfer	Wellnumber:	1-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212006		

E12
NNE **OIL_GAS** **CAOG11000212890**
1/2 - 1 Mile

District nun:	1	Api number:	03717970
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Rothschild Oil Company		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Alford	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212890		

F13
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000189711**

District nun:	1	Api number:	03706498
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Terra Expl. & Prod. Co. Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	64.113
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Midge	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000189711		

E14
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212782**

District nun:	1	Api number:	03717856
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Silverado Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212782		

Map ID
Direction
Distance

Database EDR ID Number

C15
North
1/2 - 1 Mile

OIL_GAS **CAOG11000213539**

District nun:	1	Api number:	03718706
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Wilton Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Not Reported	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213539		

16
ESE
1/2 - 1 Mile

OIL_GAS **CAOG11000212757**

District nun:	1	Api number:	03717801
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	John Schumacher		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	31
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Dines	Wellnumber:	1-31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000212757		

F17
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192732**

District nun:	1	Api number:	03717532
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	61.555
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	O'Donnell	Wellnumber:	70
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192732		

G18
North
1/2 - 1 Mile

OIL_GAS **CAOG11000213363**

District nun:	1	Api number:	03718494
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	AC-201-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000213363		

D19
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212008**

District nun:	1	Api number:	03716906
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Midge Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Macson	Wellnumber:	1589-1-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212008		

D20
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212491**

District nun:	1	Api number:	03717465
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	D & B	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212491		

H21
NNW
1/2 - 1 Mile

OIL_GAS **CAOG11000212613**

District nun:	1	Api number:	03717623
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Crown Central Petroleum Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	T-2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212613		

Map ID
Direction
Distance

Database EDR ID Number

I22
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212296**

District nun:	1	Api number:	03717249
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Lebow-Harbor Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Capital	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212296		

F23
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192704**

District nun:	1	Api number:	03717248
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	TEJ Venture		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	63.85
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Capital	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192704		

J24
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212005**

District nun:	1	Api number:	03716903
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Midge Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Kupfer	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212005		

E25
NNE **OIL_GAS** **CAOG11000192657**
1/2 - 1 Mile

District nun:	1	Api number:	03716927
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	73.232
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-10R
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192657		

I26
ENE **OIL_GAS** **CAOG11000192705**
1/2 - 1 Mile

District nun:	1	Api number:	03717250
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	43.122
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	Capital	Wellnumber:	4-A
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192705		

K27
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212767**

District nun:	1	Api number:	03717811
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Severns Drilling Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Mcewen	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212767		

G28
North
1/2 - 1 Mile

OIL_GAS **CAOG11000213365**

District nun:	1	Api number:	03718497
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	John P. Wallace, Operator		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ring-Hawkins	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213365		

Map ID
Direction
Distance

Database EDR ID Number

K29
North
1/2 - 1 Mile

OIL_GAS **CAOG11000213364**

District nun:	1	Api number:	03718495
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	John P. Wallace, Operator		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Ring-Hawkins	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000213364		

J30
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212344**

District nun:	1	Api number:	03717296
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Consolidated Mutual Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Campbell	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000212344		

H31
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212612**

District nun:	1	Api number:	03717622
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Crown Central Petroleum Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Security	Wellnumber:	T-1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212612		

L32
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192702**

District nun:	1	Api number:	03717246
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	TEJ Venture		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	45.729
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Capital	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192702		

J33
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212007**

District nun:	1	Api number:	03716905
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Midge Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Kupfer	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212007		

M34
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192679**

District nun:	1	Api number:	03716947
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	59.449
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-32-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000192679		

N35
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192712**

District nun:	1	Api number:	03717305
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	23.954
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192712		

Map ID
Direction
Distance

Database EDR ID Number

N36
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192711**

District nun:	1	Api number:	03717304
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	19.538
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWD
Site id:	CAOG11000192711		

M37
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192659**

District nun:	1	Api number:	03716929
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	67.964
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-12W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192659		

M38
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192660**

District nun:	1	Api number:	03716929
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	67.964
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-12W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192660		

N39
East **OIL_GAS** **CAOG11000192710**
1/2 - 1 Mile

District nun:	1	Api number:	03717303
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	19.46
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192710		

L40
NE **OIL_GAS** **CAOG11000192733**
1/2 - 1 Mile

District nun:	1	Api number:	03717533
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	18.806
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	O'Donnell	Wellnumber:	71
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192733		

N41
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192709**

District nun:	1	Api number:	03717302
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	20.458
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	28
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192709		

K42
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212177**

District nun:	1	Api number:	03717127
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Barnhart-Morrow Consolidated		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	P. E.	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212177		

Map ID
Direction
Distance

Database EDR ID Number

N43
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192708**

District nun:	1	Api number:	03717301
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	20.555
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	27
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192708		

O44
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212556**

District nun:	1	Api number:	03717536
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212556		

O45
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212557**

District nun:	1	Api number:	03717536
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	75
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212557		

K46
North
1/2 - 1 Mile

OIL_GAS **CAOG11000192694**

District nun:	1	Api number:	03717088
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Hunt Enterprises		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	73.705
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	Mahar	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192694		

N47
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192707**

District nun:	1	Api number:	03717300
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.194
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192707		

N48
East
1/2 - 1 Mile

OIL_GAS **CAOG11000192706**

District nun:	1	Api number:	03717299
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Cooper & Brain Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	22.004
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Brown Bevis Lease Well	Wellnumber:	23
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192706		

P49
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192674**

District nun:	1	Api number:	03716941
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	67.806
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-26
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192674		

Map ID
Direction
Distance

Database EDR ID Number

Q50
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212558**

District nun:	1	Api number:	03717537
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	76
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212558		

R51
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192678**

District nun:	1	Api number:	03716946
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	60.066
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-31
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192678		

S52
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212145**

District nun:	1	Api number:	03717087
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	D. A. Stark		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Bandini	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212145		

P53
North
1/2 - 1 Mile

OIL_GAS **CAOG11000192909**

District nun:	1	Api number:	03718498
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	67.9
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	D-205
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192909		

T55
North
1/2 - 1 Mile

OIL_GAS **CAOG11000192908**

District nun:	1	Api number:	03718496
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	73.372
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-203-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192908		

T54
North
1/2 - 1 Mile

OIL_GAS **CAOG11000192907**

District nun:	1	Api number:	03718496
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	73.372
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-203-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192907		

T56
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212017**

District nun:	1	Api number:	03716915
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gimenez	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212017		

Map ID
Direction
Distance

Database EDR ID Number

P57
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192658**

District nun:	1	Api number:	03716928
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	70.754
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-11
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192658		

S58
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212018**

District nun:	1	Api number:	03716916
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Gimenez	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212018		

R59
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000212025**

District nun:	1	Api number:	03716937
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	20
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000212025		

R60
NNE **OIL_GAS** **CAOG11000192656**
1/2 - 1 Mile

District nun:	1	Api number:	03716926
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	58.753
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192656		

U62
NE **OIL_GAS** **CAOG11000192861**
1/2 - 1 Mile

District nun:	1	Api number:	03718024
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	31.642
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-101
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192861		

U61
NE **OIL_GAS** **CAOG11000192860**
1/2 - 1 Mile

District nun:	1	Api number:	03718024
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	31.642
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-101
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192860		

L63
NE **OIL_GAS** **CAOG11000192703**
1/2 - 1 Mile

District nun:	1	Api number:	03717247
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	TEJ Venture		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	33.175
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	Capital	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192703		

Map ID
Direction
Distance

Database EDR ID Number

U64
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000192868**

District nun:	1	Api number:	03718031
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	31.634
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-108
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192868		

O65
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212555**

District nun:	1	Api number:	03717535
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	74
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212555		

66
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212024**

District nun:	1	Api number:	03716933
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	AC-16
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000212024		

Q67
ENE **OIL_GAS** **CAOG11000212554**
1/2 - 1 Mile

District nun:	1	Api number:	03717534
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	72
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212554		

U68
NE **OIL_GAS** **CAOG11000212922**
1/2 - 1 Mile

District nun:	1	Api number:	03718040
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	AC-45-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	PWF
Site id:	CAOG11000212922		

V69
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192673**

District nun:	1	Api number:	03716940
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	27.62
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-34-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192673		

70
SSE
1/2 - 1 Mile

OIL_GAS **CAOG11000204895**

District nun:	1	Api number:	03705750
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Palos Verdes Corp.		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	36
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Palos Verdes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204895		

Map ID
Direction
Distance

Database EDR ID Number

V71
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192661**

District nun:	1	Api number:	03716930
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	26.962
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-43-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000192661		

V72
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192662**

District nun:	1	Api number:	03716930
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	26.962
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-43-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000192662		

U74
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192872**

District nun:	1	Api number:	03718034
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	23.668
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-111-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192872		

U73
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192871**

District nun:	1	Api number:	03718034
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	23.668
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-111-W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192871		

W75
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192875**

District nun:	1	Api number:	03718037
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	23.226
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-114
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192875		

X76
NNE **OIL_GAS** **CAOG11000192667**
1/2 - 1 Mile

District nun:	1	Api number:	03716934
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	56.45
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-17
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192667		

W77
NE **OIL_GAS** **CAOG11000212346**
1/2 - 1 Mile

District nun:	1	Api number:	03717298
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Consolidated Mutual Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Oakley 60	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000212346		

Map ID
Direction
Distance

Database EDR ID Number

Y78
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212061**

District nun:	1	Api number:	03716986
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	M & B Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	M & B	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	POG
Site id:	CAOG11000212061		

Z79
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212028**

District nun:	1	Api number:	03716953
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Torino	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212028		

80
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000192866**

District nun:	1	Api number:	03718028
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	31.839
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-105
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192866		

W81
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192864**

District nun:	1	Api number:	03718026
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	32.383
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-103
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192864		

W82
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192865**

District nun:	1	Api number:	03718026
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	32.383
Gissourcec:	gps		

Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-103
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192865		

X83
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192684**

District nun:	1	Api number:	03716951
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	58.04
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	D-36
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192684		

AA85
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212011**

District nun:	1	Api number:	03716909
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Norman P. Miller		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Faith	Wellnumber:	64
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212011		

Map ID
Direction
Distance

Database EDR ID Number

AA84
North
1/2 - 1 Mile

OIL_GAS **CAOG11000204949**

District nun:	1	Api number:	03705826
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Exploration & Production North America, Inc.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Joughin Unit	Wellnumber:	1-H
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PWF
Site id:	CAOG11000204949		

AB86
East
1/2 - 1 Mile

OIL_GAS **CAOG11000212892**

District nun:	1	Api number:	03717972
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	James N. Routh, Oper.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Rosetta - Capitol	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212892		

Z87
North
1/2 - 1 Mile

OIL_GAS **CAOG11000214375**

District nun:	1	Api number:	03721602
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hunt Enterprises		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Marine	Wellnumber:	51
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000214375		

AC88
East
1/2 - 1 Mile

OIL_GAS **CAOG11000211909**

District nun:	1	Api number:	03716802
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Carson Oil Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	31
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Carson Oil Corporation	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000211909		

89
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192668**

District nun:	1	Api number:	03716935
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	54.435
Gissourcec:	gps		

Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-18
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Directionally drilled	Gissymbol:	AOG
Site id:	CAOG11000192668		

AA91
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192651**

District nun:	1	Api number:	03716917
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	60.121
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-1R
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192651		

AA90
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192650**

District nun:	1	Api number:	03716917
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	60.121
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-1R
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192650		

Map ID
Direction
Distance

Database EDR ID Number

Y92
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212962**

District nun:	1	Api number:	03718082
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	M & B Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Capital	Wellnumber:	3
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212962		

Z93
North
1/2 - 1 Mile

OIL_GAS **CAOG11000212262**

District nun:	1	Api number:	03717212
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Hunt Enterprises		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Marine	Wellnumber:	50
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212262		

94
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212060**

District nun:	1	Api number:	03716985
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	M & B Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Capital	Wellnumber:	6
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212060		

AD95
NE **OIL_GAS** **CAOG11000192676**
1/2 - 1 Mile

District nun:	1	Api number:	03716944
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	27.377
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-29
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192676		

96
ENE **OIL_GAS** **CAOG11000212920**
1/2 - 1 Mile

District nun:	1	Api number:	03718032
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	9
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212920		

AD97
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192677**

District nun:	1	Api number:	03716945
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	32.813
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-30
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192677		

W98
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192869**

District nun:	1	Api number:	03718033
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	51.917
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	BC-110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192869		

Map ID
Direction
Distance

Database EDR ID Number

W99
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192870**

District nun:	1	Api number:	03718033
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	51.917
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	BC-110
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192870		

AD101
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192664**

District nun:	1	Api number:	03716931
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	35.917
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000192664		

AD100
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192663**

District nun:	1	Api number:	03716931
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	35.917
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000192663		

AD102
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192665**

District nun:	1	Api number:	03716931
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	35.917
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-14
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Not Directionally drilled	Gissymbol:	AWF
Site id:	CAOG11000192665		

AB103
East
1/2 - 1 Mile

OIL_GAS **CAOG11000212610**

District nun:	1	Api number:	03717620
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Estate of Albert Stevenson		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		

Comments:	Not Reported		
Leasename:	Stevenson	Wellnumber:	15
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212610		

AE104
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000212019**

District nun:	1	Api number:	03716918
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Mobil Oil Corporation		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	South Torrance Unit	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212019		

AC105
East
1/2 - 1 Mile

OIL_GAS **CAOG11000212563**

District nun:	1	Api number:	03717547
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Berenergy Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	31
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Palos Verdes	Wellnumber:	2
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212563		

Map ID
Direction
Distance

Database EDR ID Number

AF106
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000212963**

District nun:	1	Api number:	03718083
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	M & B Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Capital	Wellnumber:	4
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212963		

AG107
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192669**

District nun:	1	Api number:	03716936
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	50.946
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	AC-19
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192669		

AF108
East
1/2 - 1 Mile

OIL_GAS **CAOG11000208220**

District nun:	1	Api number:	03710666
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	O'Donnell Oil, LLC		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	O'Donnell	Wellnumber:	73
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000208220		

109
SSW **OIL_GAS** **CAOG11000204908**
1/2 - 1 Mile

District nun:	1	Api number:	03705766
Blm well:	N	Redrill can:	Not Reported
Dryhole:	Y	Well status:	P
Operator name:	Petroleum Securities Company		
County name:	Los Angeles	Fieldname:	Any Field
Area name:	Any Area	Section:	36
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Palos Verdes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	PDH
Site id:	CAOG11000204908		

AE111
NNE **OIL_GAS** **CAOG11000192653**
1/2 - 1 Mile

District nun:	1	Api number:	03716919
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	52.906
Gissourcec:	gps		

Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-2R
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192653		

AE110
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192652**

District nun:	1	Api number:	03716919
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	52.906
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-2R
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192652		

AG112
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192685**

District nun:	1	Api number:	03716952
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	28.517
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-37W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192685		

Map ID
Direction
Distance

Database EDR ID Number

AG113
NE
1/2 - 1 Mile

OIL_GAS **CAOG11000192686**

District nun:	1	Api number:	03716952
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	28.517
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-37W
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AWF
Site id:	CAOG11000192686		

114
ENE
1/2 - 1 Mile

OIL_GAS **CAOG11000192867**

District nun:	1	Api number:	03718030
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	I
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	30
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	20.705
Gissourcec:	gps		
Comments:	78211238.ssf		
Leasename:	South Torrance Unit	Wellnumber:	C-107
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192867		

115
NNE
1/2 - 1 Mile

OIL_GAS **CAOG11000192683**

District nun:	1	Api number:	03716950
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	54.583
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	South Torrance Unit	Wellnumber:	D-35
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000192683		

116
East **OIL_GAS** **CAOG11000212562**
1/2 - 1 Mile

District nun:	1	Api number:	03717546
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	P
Operator name:	Berenergy Corp.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	31
Township:	04S	Range:	13W
Base meridian:	SB	Elevation:	Not Reported
Gissourcec:	hud		
Comments:	Not Reported		
Leasename:	Palos Verdes	Wellnumber:	1
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	POG
Site id:	CAOG11000212562		

117
North **OIL_GAS** **CAOG11000192846**
1/2 - 1 Mile

District nun:	1	Api number:	03718001
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	65.715
Gissourcec:	gps		

Comments:	78211198.ssf		
Leasename:	Joughin Unit	Wellnumber:	9-D
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192846		

118
North
1/2 - 1 Mile

OIL_GAS **CAOG11000192821**

District nun:	1	Api number:	03717771
Blm well:	N	Redrill can:	Not Reported
Dryhole:	N	Well status:	A
Operator name:	Brea Canon Oil Co.		
County name:	Los Angeles	Fieldname:	Torrance
Area name:	Onshore	Section:	25
Township:	04S	Range:	14W
Base meridian:	SB	Elevation:	70.314
Gissourcec:	gps		
Comments:	78211108.ssf		
Leasename:	Joughin 4	Wellnumber:	5
Epawell:	N	Hydraulica:	N
Confidenti:	N	Spuddate:	Not Reported
Welldeptha:	0		
Redrillfoo:	0		
Abandonedd:	Not Reported	Completion:	Not Reported
Directiona:	Unknown	Gissymbol:	AOG
Site id:	CAOG11000192821		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90710	16	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS/INSURANCE

PARTNER

Emilie Moore
Environmental Professional

Education

B.A., Environmental Studies, Concentration in Sustainability, Energy and Society
University of Southern California, *departmental honors, USC S.U.R.F. research fund recipient*

Highlights

9 years in the environmental industry including environmental law and due diligence
4 years of experience performing CEQA/NEPA research and legal assistance
5 years of experience performing due diligence assessments including Phase I and Phase II Environmental Site Assessments, Transaction Screen Assessments, and Environmental Desktop Reports
3 years of specific experience with Freddie Mac and Fannie Mae as well as US Department of Housing and Urban Development (HUD) and US Small Business Association (SBA) assessments
AHERA-Certified Asbestos Building Inspector #ABII0601160006N11623

Experience Summary

Ms. Moore currently holds the role of Environmental Professional and her responsibilities include thorough site assessment and technical report writing in line with the American Society of Testing and Materials (ASTM) standard and US Environmental Protection Agency's All Appropriate Inquiry (AAI) as well as customized client formats. In addition, Ms. Moore performs limited asbestos surveys, lead-based paint surveys and radon testing as required per scope of work.

Ms. Moore has worked on numerous large scope projects including gas stations, dry cleaners, manufacturing sites, upscale residential developments, high-rise hotels, retail shopping centers, machine shops, auto repair facilities, cell phone data towers and associated land, recycling facilities, oil drilling sites, multi-use commercial/residential buildings, and original construction buildings located in Downtown Los Angeles with known historical significance.

Additional field experience for Ms. Moore includes ground and well water testing for lead, volatile organic compounds of concern, pH, alkalinity, total suspended solids, chlorides, and conductivity, extensive soil sampling, characterization, and testing as related to contamination and remediation near Southern California Superfund sites, experience drafting corrective action plans for these sites when contamination is found, and Environmental Impact Report (EIR) production and associated revisions

Ms. Moore works closely with state and local regulatory agencies to obtain environmentally significant documents regarding tank removal and subsurface investigations performed onsite. Ms. Moore is an effective communicator and thrives under pressure and on a deadline. Ms. Moore has worked for the federal government, private investors, as well as large financial institutions including, but not limited to, Bank of America, Citibank, N.A., KeyBank, N.A., JPMorgan Chase Bank, BBVA Compass Bank, East West Bank, US Bank, Union Bank, Comerica Bank, HUD, 1st Enterprise Bank, Morgan Stanley, Bank of the West, California Republic Bank, Freddie Mac/Fannie Mae, SBA, CDC Small Business Finance, and Wells Fargo.

Project Experience

Ms. Moore has five years of experience performing due diligence assessments for a variety of property types, as detailed above. For each assessment, she reviews the condition of the building structure and systems and develops a thorough report. Project highlights include:

Gas Stations, Los Angeles, California. Ms. Moore performed a series of four Phase I Environmental Assessments as part of a larger portfolio concerning name-brand gasoline stations throughout the Greater Los Angeles area. Potentially leaking underground storage tanks were identified at two of these four locations necessitating subsequent soil and groundwater assessments.

Six Grocery Stores, San Fernando Valley, California. Ms. Moore performed a series of six Phase I Environmental Assessments as part of a larger portfolio assisting a well-known grocery store chain as they were acquired by another chain.

Dairy Farm/Agricultural Land, Ontario, California. Ms. Moore performed a Phase I Environmental Assessment on a complex plot of land featuring active dairy and farming operations.

Multi-Use, Santa Monica, California. Ms. Moore performed a Phase I Environmental Assessment on five acres of formerly industrial land which was used commercially, but was being sold for future high-density residential development.

Golf Courses, Nipomo and Huntington Beach, California. Ms. Moore performed Phase I Environmental Assessments on formerly industrial/landfill land which had been redeveloped as golf courses.

Recycling Center/Waste Disposal Site, North Los Angeles, California. Ms. Moore performed a Phase I Environmental Assessment on a former landfill which had been redeveloped as a recycling facility.

Multi-family apartment complex on a 14 acre lot, Bakersfield, California. Ms. Moore performed a Phase I Environmental Assessment for a multi-family apartment complex. This assessment included lead and asbestos sampling.

Hotel, Beverly Hills, California. Ms. Moore performed a Phase I Environmental Assessment for a well-known, five-star, full service hotel with 285 guest rooms, onsite dry cleaning, and previous onsite gas station operations.

Oil-Drilling/Active Oil Wells, Lost Hills, California. Ms. Moore performed a Phase I Environmental Assessment for a 60-acre parcel of land featuring active oil drilling operations and drilling equipment storage.

Publications

Moore, Emilie N., Last Child in the Reef, Scientific American online journal, 2011. Discussion of the impacts and benefits of outdoor/environmental immersion as related to children.

Contact

emoore@partneresi.com

Education
Bachelor of Science, Geology, Florida State University

Registrations
Licensed Professional Geologist, Florida

Training
40-Hour OSHA HAZWOPER

Highlights
19 years of experience in the Environmental Consulting Industry
Industrial Hygiene

Experience Summary
Mr. Gallagher serves as a Senior Project Manager in Partner Engineering and Science Inc.'s (Partner) Fort Lauderdale, FL office and has 19 years of experience in environmental consulting, including Phase I and Phase II Environmental Site Assessments, Site Investigations, and remediation of petroleum-contaminated and solvent-contaminated soil and groundwater. In addition to having experience in environmental due diligence, Mr. Gallagher is skilled in Asbestos-Containing Materials (ACM), Lead-based Paint (LBP), Indoor Air Quality (IAQ), Vapor Intrusion, Mold inspections and Abatement/mitigation. He has used his experience and client dedication to bring a higher level of focus to identifying business environmental risk and evaluating environmental liabilities, understanding and interpreting environmental regulatory climate, and managing aggressive project deadlines.

Mr. Gallagher's core focus at Partner is to provide real estate lenders, investors and equity owners with the advice they need to quantify hard asset risk and provide them with the information they need to make informed real estate business decisions. He has served as a project manager or executive senior reviewer on over 4,000 real estate transactions throughout his career.

Project Experience
Environmental Due Diligence (EDD) Consulting
Mr. Gallagher has provided technical and management expertise on a variety of due diligence assessment projects throughout North America and Europe. He has conducted hundreds of environmental site assessment (ESA) projects in conformance with ASTM E1527/AAI requirements and client specific protocol. Mr. Gallagher has managed several portfolios related to pre and post-acquisition environmental due diligence for several Fortune 500 companies, both domestically and internationally.

Subsurface Investigation
Mr. Gallagher has extensive Phase II subsurface investigation and mitigation experience in all aspects of subsurface investigations with respect to soil and/or groundwater contamination at a variety of locations, including: gas stations, dry cleaners, airports, and many other industrial settings. Specific responsibilities included: fee proposal preparation; coordination of contractor submittals in regards to qualifications, bids, subcontractor agreements, and schedules; soil and groundwater sampling; data analysis; and report

preparation. Where properties have required regulatory involvement, Mr. Gallagher has successfully fast-tracked case resolution to facilitate real estate transactions.

Remedial Investigation
Mr. Gallagher has extensive experience conducting Remedial Investigations for petroleum and solvent contaminated sites. Mr. Gallagher has participated in several site investigations to delineate contaminated media and develop remedial options. Projects included Superfund sites, Consent Order sites, and Voluntary Cleanup Program sites in Florida and Wisconsin.

Expert Witness
Mr. Gallagher has served as an expert witness for a lawsuit involving a Phase I Environmental Site Assessment and its adherence to the ASTM E1527 Standard. Mr. Gallagher provided expert testimony, advised attorneys, and helped bring the lawsuit to a favorable conclusion.

Contact

bgallagher@partneresi.com

Debbie Stott, P.G.
Nevada CEM
Technical Director

Education

BA Geology, The Ohio State University

Registrations

California Professional Geologist No. 6221
Nevada Certified Environmental Manager No. 2359

Training

OSHA, Hazardous Waste Operator (HAZWOPER) 40 hour Certification
AHERA Certified Asbestos Inspector
Certified Project Manager

Highlights

Over 25 years of experience in the environmental service industry with a focus on due diligence assessments
Knowledgeable with ASTM, EPA's All Appropriate Inquiry (AAI), and customized client formats.
100+ Phase I Environmental Site Assessments

Experience Summary

As Technical Director for due diligence services as part of the Investment Advisory Group, Ms. Stott focuses on report quality, client service, and sharing her years of expertise with staff and clients.

Ms. Stott has performed hundreds of Phase I Environmental Site Assessments, Third Party Reviews, Due Diligence Audits, Record Search and Risk Assessments, Phase II and III Subsurface Investigations, Underground storage tank investigations, Remedial Investigations, Radon Studies, Mold Assessments, Methane Surveys, Indoor Air Quality Assessments, and Lead-in-water sampling and analysis.

Clients have varied and have included: individual investors, City of Los Angeles Agencies, Los Angeles County, City of Anaheim, institutional investors, private and institutional equity companies, insurance companies, attorneys, brokers, developers, and multiple lenders.

Project Experience

Ms. Stott has conducted, managed and directed thousands of ESAs throughout her career and has been Senior Project Manager for hundreds of site investigations, characterization studies and remediation projects throughout California and the US. The following select projects summarize her experience and due diligence background:

Transaction Due Diligence

Project Manager, Western US and Southern California, LBA Realty. For over 16 years performed due diligence services related to real estate transfers as well as asset refinances for LBA Realty. The relationship requires close coordination and communication with property managers and representatives to provide a smooth process with client and lenders. Services have also included review of third party reports, asbestos surveys, subsurface investigations, and development of soil management plans. Many projects involved multiple locations in several states thus requiring coordination with other offices and client contacts.

Environmental Lead, West Coast, Barings, LLC (Barings). Ms. Stott assists with management and review of environmental due diligence and environmental actions associated with acquisitions, property development, joint venture developments, property divestments and finance group loan transactions. Environmental due diligence includes Phase I ESAs, Phase II ESAs, indoor air quality assessments, mold assessment and mitigation planning, providing third party review, asbestos investigations, asbestos abatement, operation and maintenance plan development, remedial action development and implementation, regulatory correspondence and permitting.

Phase I ESAs – multiple clients throughout US.. Ms. Stott manages and oversees preparation of Phase I Environmental Site Assessments for several confidential clients. All are completed to ASTM guidelines with various special criteria specific to each client.

Subsurface Investigations/Vapor Intrusion

Project Manager, Whittier, CA, Confidential Client. Conducted several investigations to evaluate the potential for vapor intrusion associated with contaminated groundwater into client buildings. At one location a horizontal well system was installed to passively vent vapors. Site investigations involved the installation of multiple, multi-depth vapor probes through the property to map the plume and to assist in decision making for potential further investigation. Data collected from both soil vapor and indoor air monitoring was subjected to risk assessment in order to determine if indoor air quality had been negatively impacted and engineering controls needed to protect workers. Client was able to purchase and redevelop portions of the desired parcels for use as parking.

Project Manager and Environmental Lead, Berkeley, CA, LBA Realty. Evaluation of potential risks associated with the presence of trichloroethylene (TCE) and breakdown products cis 1,2- dichloroethene (cis 1,2-DCE) and vinyl chloride (VC), and methyl tert butyl ether (MTBE) in groundwater and ambient air at an existing building in Berkeley, CA. Worked with outside counsel to evaluate, summarize, and present the risks and potential risks of continued investment in the property. Remedial systems were installed under DTSC oversight, risk assessment performed and the building remodeled and reused for office space.

Municipal/State Contracts

Project Manager, ESAs for City of Anaheim widening of Lincoln Avenue. As a subcontractor to the geotechnical consultant, Partner provided Environmental Site Assessments for multiple properties along the project alignment. The parcel uses ranged from car wash, to older office and motel properties, automotive repair, banks, public school, and a church. Partner finished the multi-site project on time and within budget.

Contact

Dstott@partneresi.com

PARTNER
Engineering and Science, Inc.



PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

1268 Pacific Coast Highway
Los Angeles, California 90710

Report Date: January 29, 2019
Partner Project No. 18-226425.1



Prepared for:

Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

PARTNER
Engineering and Science, Inc.

January 29, 2019

Mr. Alex Wong
Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612

Subject: Phase I Environmental Site Assessment
1268 Pacific Coast Highway
Los Angeles, California 90710
Partner Project No. 18-226425.1

Dear Mr. Wong:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 622-8855.

Sincerely,

Debbie Stott, P.G.
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Red Oak Investments for the property located at 1268 Pacific Coast Highway in the Harbor City community, City of Los Angeles, Los Angeles County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Red Oak Investments with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the south side of Pacific Coast Highway within a mixed commercial and residential area of the Harbor City community within Los Angeles County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	1268 Pacific Coast Highway, Los Angeles, California
Property Use:	Parking Lot
Land Acreage (Ac):	0.82 Ac
Number of Buildings:	None
Number of Floors:	N/A
Assessor's Parcel Number (APN):	7411-019-020
Site Assessment Performed By:	Emilie Moore of Partner
Site Assessment Conducted On:	January 8, 2019

The subject property is currently occupied by a parking lot for commercial use. Onsite operations consist of vehicle parking and storage, storage trailer parking, as well as typical administrative tasks. The subject property consists of a narrow rectangular shaped parcel on which vehicles are parked along the western and eastern perimeter.

According to available historical sources, the subject property was formerly undeveloped as early as 1896; developed with a railroad track bisecting the center of the parcel between 1923 and circa 1972 and developed for the current parking lot use in circa 1983.

The immediately surrounding properties consist of Pacific Coast Highway followed by Pep Boys and Del Taco to the north; 259th Street (a cul-de-sac) followed by apartment buildings to the south; A-1 Auto Smog and a Kaiser Permanente parking lot to the east; and a mobile home park to the west.

According to online information and topographic map interpretation, the depth to groundwater in the vicinity of the subject property is estimated to be approximately 80 feet below ground surface (bgs) with flow toward the southeast.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).
- The subject property was historically developed with railroad tracks bisecting the center of the parcel from north to south from 1923 until circa 1963. Railroad tracks and spurs represent environmental concerns due to the historical application of oils containing polychlorinated biphenyls (PCBs), herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for

track fill material. While the subject property is currently paved over, potential PCB or arsenic concentrations resulting from the historic railroad use could be present in subsurface sediments. Due to the planned redevelopment of the subject property for residential use, Partner conducted soil sampling to evaluate the suspect potential contaminants.

Results indicated that arsenic was the only chemical of concern and was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations that exceeded the residential and industrial soil Department of Toxic Substances Control (DTSC) Regional Screening Levels (RSLs). Arsenic was detected above the RSLs in three samples collected from approximately 1.5 feet bgs at concentrations ranging from 12.5 milligrams per kilogram (mg/kg) to 53.3 mg/kg. It should be noted that the residential and commercial RSLs are well below typical background concentrations; however, the three detections of arsenic also exceeded background arsenic concentrations for typical California soils of 12 mg/kg as based on the Kearney Foundation of Soil Science March 1996 Background Concentrations of Trace and Major Elements in California Soils Report.

There appear to be concentrations of arsenic on-site that may represent a concern to construction workers during proposed redevelopment of the site. No other contaminants of concern were detected above laboratory RLs and applicable screening levels. The arsenic impacts appear to be vertically limited to a depth of less than two feet bgs. Arsenic was not detected above screening criteria in the deeper samples. Arsenic was less than 0.5 mg/kg in those samples. Partner understands that several feet of surface soil will be over-excavated, mixed, and recompacted. Moving soil offsite is not anticipated. Thus, the arsenic in shallow soil will be mixed and redistributed, effectively reducing the concentration. Future residents will not have access to soil and would not be exposed. Notification to regulatory agencies is not required. Remedial action is not required by regulatory agencies. Partner recommends soil management in accordance with grading plans, codes, and regulations during future redevelopment activities.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 1268 Pacific Coast Highway in the Harbor City community within Los Angeles County (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has not revealed evidence of recognized environmental conditions in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

- Typical soil management practices used during earth moving, such as keeping soil watered to prevent dust, should be followed.

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 1268 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical

restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Red Oak Investments engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Red Oak Investments. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http: / www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with historical owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner's view of the ground during the site assessment was obstructed due to parked cars. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 1268 Pacific Coast Highway in Los Angeles, California is located on the south side of Pacific Coast Highway. According to the Los Angeles County Assessor, the subject property is legally described as "*Peck's Subdivision Of Lot J And Portion Of Lot H Of The Partition Of The Rancho Los Palos Verdes Lot Com E 220 Ft From Sw Cor Of Lot 10 Th N Parallel With W Line Of Sd Lot*,".

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently occupied by a parking lot for commercial use. Onsite operations consist of vehicle parking and storage, storage trailer parking, as well as typical administrative asks. The subject property consists of a narrow rectangular shaped parcel on which vehicles are parked along the western and eastern perimeter.

The subject property is designated for commercial development by the City of Los Angeles.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of Los Angeles County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Pacific Coast Highway followed by Pep Boys (1315 Pacific Coast Highway) and Del Taco (1229 Pacific Coast Highway)
South:	259th Street (a cul-de-sac) followed by apartment buildings (1270-1289 [evens] Riverrock Road)
East:	A-1 Auto Smog (1242 Pacific Coast Highway) and a Kaiser Permanente parking lot (25825, 25875, 25801, 25803, 25805 South Normandie Avenue and 1301 West 259th Street)
West:	Mobile home park (1280 Pacific Coast Highway)

Adjacent properties to the north and east were identified as Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG), Facility Index System/Facility Registry System (FINDS), Enforcement and Compliance History Information (ECHO), Historical Underground Storage Tank (HIST UST), Facility and Manifest Data (HAZNET), Statewide Environmental Evaluation and Planning System Underground Storage Tank (SWEEPS UST), Emissions Inventory (EMI) EDR Historical Auto Station, Waste Management Unit Database System (WMUDS/SWAT, Los Angeles County Site Mitigation, and Land Disposal Sites (LDS) sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Torrance, California* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 45 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping toward the southeast.

A copy of the 1981 topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

The subject property is located at the southern end of the Central Basin Pressure Area of the Los Angeles Basin and is underlain by the Lakewood Formation. The Lakewood Formation includes all Upper Pleistocene deposits including the Palos Verde Sand and the "200-foot Gravel". The Lakewood Formation is divided into the Artesian-Exposition Aquifers and the Gage-Gardena Aquifers. The nearest surface water in the vicinity of the subject property is Harbor Lake, located approximately 0.3-miles to the southeast of the subject property. No settling ponds, lagoons, surface impoundments, wetlands, or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Los Angeles Department of Water and Power (LADWP) serves the subject property vicinity. According to a representative of the LADWP, the sources of public water for the City of Los Angeles are surface water (Colorado River Aqueduct & Los Angeles Aqueduct) as well as groundwater.

According to a previous subsurface investigation conducted on a nearby property (former One-O-One and Harbor Inc. Dump located adjacent to the east), the depth to groundwater in the vicinity of the subject property is inferred to be approximately 80 feet below ground surface (bgs). Based on topographic map interpretation, groundwater is assumed to flow southeasterly.

2.4.3 Geology/Soils

The subject property is located within the Torrance Plain. The rectangular shaped Torrance Plain extends approximately 28 miles from Santa Monica in the northwest to Long Beach in the southeast and is 5 to 12 miles wide. The relatively flat Torrance Plain consists of marine and non-marine sediments. The Palos Verdes Hills, a prominent topographic feature, borders the southwest margin of the plain and the Newport-Inglewood zone of deformation borders the inland eastern margin of Torrance Plain. The Palos Verdes Hills consist of an uplifted fault block composed of a Jurassic age Catalina schist basement and marine sediment of Tertiary and Quaternary age that have folded into an anticlinal shape. The Palos Verdes Hills are divided from the West Coast Basin by the Palos Verdes Fault Zone. The displacement of near-surface sediments across the fault is relatively minor when compared to the significant displacement which offset the Catalina schist basement at depth.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06037C1945F, dated September 26, 2008, the subject property appears to be located in Unshaded Zone X, an area located outside of the 100-year and 500-year flood plains

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1896	Topographic Map	Undeveloped
1923-1972	Aerial Photographs, Topographic Maps	Railroad Track
1983-Present	Aerial Photographs, Topographic Maps, Onsite Observations	Parking Lot

The subject property was historically developed with railroad tracks bisecting the center of the parcel from north to south from 1923 until circa 1972. Railroad tracks and spurs represent environmental concerns due to the historical application of oils containing polychlorinated biphenyls (PCBs), herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. While the subject property is currently paved over, potential PCB or arsenic concentrations resulting from the historic railroad use could be present in subsurface sediments.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources (EDR). The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1923	*Scale: 1"=500'*
Subject Property:	Developed with a railroad track bisecting the parcel from north to south
North:	Developed with a railroad track bisecting the parcel from north to south
South:	Developed with a railroad track bisecting the parcel from north to south
East:	Developed agriculturally
West:	Undeveloped

Date: 1928	*Scale: 1"=500'*
Subject Property:	Developed with a railroad track bisecting the parcel from north to south
North:	Developed with a railroad track bisecting the parcel from north to south
South:	Developed with a railroad track bisecting the parcel from north to south
East:	Developed with multiple structures and a pit
West:	Developed with cleared land

Date: 1947	*Scale: 1"=500'*
Subject Property:	Developed with a railroad track bisecting the parcel from north to south
North:	Developed with a railroad track bisecting the parcel from north to south across Pacific Coast Highway
South:	Developed with a railroad track bisecting the parcel from north to south
East:	Developed with additional structures and a pit
West:	The present-day mobile home park appears to be under development

Date: 1953, 1963		*Scale: 1"=500'*
Subject Property:	Developed with a railroad track bisecting the parcel from north to south	
North:	Developed with commercial structures across Pacific Coast Highway	
South:	Developed with a railroad track bisecting the parcel from north to south	
East:	Developed with additional structures and a pit	
West:	Developed with the present-day mobile home park	

Date: 1970		*Scale: 1"=500'*
Subject Property:	Developed with a railroad track bisecting the parcel from north to south	
North:	Developed with additional commercial structures across Pacific Coast Highway	
South:	Developed with a railroad track bisecting the parcel from north to south	
East:	Developed with a cleared and leveled parcel	
West:	Developed with the present-day mobile home park	

Date: 1983		*Scale: 1"=500'*
Subject Property:	Developed with the present-day parking lot	
North:	Developed with the present-day commercial structures across Pacific Coast Highway	
South:	Developed with what appears to be a parking lot	
East:	Developed with a cleared parcel, commercial building, and a parking lot	
West:	Developed with the present-day mobile home park	

Date: 1994, 2002, 2005, 2009, 2016		*Scale: 1"=500'*
Subject Property:	Developed with the present-day parking lot	
North:	Developed with the present-day commercial structures across Pacific Coast Highway	
South:	Developed with the present-day structure across a cul-de-sac	
East:	Developed with a commercial building and the present-day parking lot	
West:	Developed with the present-day mobile home park	

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner requested Sanborn Fire insurance maps from EDR. Sanborn map coverage was not available for the subject property.

A copy of the Sanborn Maps No Coverage Letter is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR for past names and businesses that were listed for the subject property and adjacent properties. City directories were not identified for the subject property; however adjacent properties are discussed below:

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1950	Ernest Oaks Plumbing Contractor; Yankee Doodle Coltee Shop (1290 Pacific Coast Highway)
1954	A-1 Trailer Sales; Greyhound Bus Lines (1290 Pacific Coast Highway)
1957	Residential listings
1960	A-1 Trailer Park and residential listings

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1964	Kentucky Fried Chicken (1290 Pacific Coast Highway)
1970	A-1 Trailer Park and residential listings; Local Union Carpenters Hall (1290 Pacific Coast Highway); Discount Auto Parts (1290 Pacific Coast Highway), M&D X-Ray (1315 PCH)
1975	Cycle Parts and Accessories (1290 Pacific Coast Highway)
1980	A-1 Trailer Park and residential listings; Govinda Fine Produce (1290 Pacific Coast Highway)
1990	Residential listings; Sunny Sheepskins (1290 Pacific Coast Highway)
2001	Del Taco LLC (1229 PCH), PepBoys (1315 PCH)
2010	Del Taco LLC (1229 PCH), PepBoys (1315 PCH)
2014	Del Taco LLC (1229 PCH), PepBoys (1315 PCH)

According to the city directory review, the adjacent properties have been occupied by various auto-related businesses, as further discussed in section 4.2.3.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date: 1896	
Subject Property:	Depicted as undeveloped
North:	Depicted as undeveloped
South:	Depicted as undeveloped
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date: 1925	
Subject Property:	Depicted as bisected with a railroad from north to south
North:	Depicted as bisected with a railroad from north to south
South:	Depicted as bisected with a railroad from north to south
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date: 1951	
Subject Property:	Depicted as bisected with a railroad from north to south
North:	Depicted as bisected with a railroad from north to south across Pacific Coast Highway
South:	Depicted as bisected with a railroad from north to south
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date:	***1964, 1972***
Subject Property:	Depicted as bisected with a railroad from north to south
North:	Depicted as shaded red indicating dense urban development and bisected with a railroad from north to south across Pacific Coast Highway
South:	Depicted as bisected with a railroad from north to south
East:	Depicted as undeveloped
West:	Depicted as undeveloped

Date:	***1981***
Subject Property:	Depicted as undeveloped
North:	Depicted as shaded red indicating dense urban development and bisected with a railroad from north to south across Pacific Coast Highway
South:	Depicted as undeveloped
East:	Depicted as developed with small structures
West:	Depicted as developed with two structures across a road

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 Health Department

Regulatory Agency Data	
Name of Agency:	Los Angeles County Fire Department Health Hazardous Materials Division (LACFD HHMD)
Point of Contact:	Wendy Kampen
Agency Address:	5825 Rickenbacker Road, Commerce, California 90040
Agency Phone Number:	(626) 430-3260
Date of Contact:	January 2019
Method of Communication:	Online Request/Email
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LACFD HHMD for the current subject property address of 1268 Pacific Coast Highway.

4.1.2 Fire Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Fire Department (LAFD)- Underground Storage Tank Division (USTD) and the Hazardous Materials Division (HMD)
Agency Address:	200 North Main Street, 17th Floor, Los Angeles, California 90012
Agency Phone Number:	(213) 978-3691
Date of Contact:	January 2019
Method of Communication:	Online Inventories
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and ASTs on the subject property were identified in the CUPA regulated facilities online file lists for the LAFD UST and HazMat divisions.

4.1.3 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (SCAQMD)
Website:	Facility Information Detail (FIND) Database *http://www3.aqmd.gov/webappl/fim/prog/search.aspx*
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909) 396-2000
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property in the SCAQMD online database.

4.1.4 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	California Regional Water Quality Control Board (RWQCB)
Website:	GeoTracker Online Database *https://geotracker.waterboards.ca.gov/*
Agency Address:	320 West 4th Street, Suite 200, Los Angeles, California 90013
Agency Phone Number:	(213) 576-6600
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file in the RWQCB's GeoTracker online database.

4.1.5 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Websites:	EnviroStor *http://www.envirostor.dtsc.ca.gov/public/* Hazardous Waste Tracking System (HWTS) *http://hwts.dtsc.ca.gov/report_search.cfm?id=5*
Agency Address:	9211 Oakdale Avenue, Chatsworth, California 91331
Agency Phone Number:	(818) 717-6500
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file in the EnviroStor or HWTS databases.

4.1.6 Building Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Department of Building and Safety (LADBS)
Website:	*http://ladbsdoc.lacity.org/idispublic/*
Agency Address:	201 North Figueroa Street, Los Angeles, California 90012
Agency Phone Number:	(213) 482-6862
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	Due to the lack of structures on-site, no LADBS records were on-file for the subject property.

4.1.7 Planning Department

Regulatory Agency Data	
Name of Agency:	Los Angeles Planning Department (LAPD) and Zoning Information and Map Access System (ZIMAS)
Website:	ZIMAS Online *http://zimas.lacity.org/*
Agency Address:	201 North Figueroa Street, Los Angeles, California 90012
Agency Phone Number:	(213) 482-7077
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is zoned C2-1V for "community commercial" development and CM-1VL for "limited manufacturing" development by the City of Los Angeles. According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

4.1.8 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Division of Oil, Gas and Geothermal Resources (DOGGR)
Point of Contact:	*http://maps.conservation.ca.gov/doms/index.html*
Agency Address:	5816 Corporate Avenue, Suite 200, Cypress, California 90630
Agency Phone Number:	(714) 816-6847
Date of Contact:	January 2019
Method of Communication:	Online
Summary of Communication:	According to DOGGR, no oil or gas wells are located on or adjacent to the subject property.

4.1.9 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Los Angeles County Office of the Assessor (LACOA) and ZIMAS
Point of Contact:	*http://maps.assessor.lacounty.gov/mapping/viewer.asp*
Agency Address:	500 West Temple Street, Room 225, Los Angeles, California 90012
Agency Phone Number:	(213) 974-3211
Date of Contact:	January 2019

Regulatory Agency Data	
Method of Communication:	Online
Summary of Communication:	According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 7411-019-020 and is a 0.82-acre parcel.

Copies of pertinent documents obtained from the above-referenced regulatory agencies (if available) are included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by Environmental Data Resources, Inc. (EDR). Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data

Database	Search Radius (mile)	Subject Property	Adjacent Properties	Sites of Concern
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	Y	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N/A	N/A
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	N	Y	N
EDR US Hist Cleaners	Varies	N	N	N
HAZNET	Varies	N	Y	N/A
FINDS/ECHO	Varies	N	Y	N/A
HIST UST	Varies	N	Y	N/A
WMUDS/SWAT	Varies	N	N	Y
LDS	Varies	N	N	Y
EMI	Varies	N	Y	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjacent Property Listings

Adjacent properties to the north and east were identified as RCRA-SQG, FINDS, ECHO, HIST UST, HAZNET, SWEEPS UST, EMI, EDR Historical Auto Station, WMUDS/SWAT, Los Angeles County Site Mitigation, and LDS sites in the regulatory database report of Section 4.2., as discussed below:

- The property, identified as Frank Coletto Ford Isuzu Inc. at 1241 Pacific Coast Highway, is located adjacent to the north, hydrologically up-gradient of the subject property. According to the RCRA listing, the site was a small quantity generator of unnamed hazardous waste in 1996. No violations were reported in connection with the RCRA listing. The FINDS and ECHO databases are indexing systems that are used to cross-reference various federal and state database listings. These databases do not, in and of themselves, contain any data concerning environmental significant information, however the site was listed with FINDS Facility ID 110002754760 and ECHO Environmental ID 1000316586. No violations were reported in connection with these listings and this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.
- The property, identified as Johns Transmissions at 1242 Pacific Coast Highway, is located adjacent to the east, hydrologically cross-to-down-gradient of the subject property. According to the EDR historical Auto Station Listing, the site was occupied by an automotive transmission repair and general automotive repair shop from 1997-2014. No violations were reported in connection with the listing. Based on the absence of a reported release and inferred direction of groundwater flow, this adjacent site is not expected to represent an environmental concern for the subject property
- The property, identified as Harbor City High Performance and Independent Toyota Rep at 1313 Pacific Coast Highway, is located adjacent to the north, hydrologically up-gradient of the subject property. According to the RCRA listings, the site was a large and small quantity generator of

unnamed hazardous waste in 1987 and 1997. No violations were reported in connection with the RCRA listing. The FINDS and ECHO databases are indexing systems that are used to cross-reference various federal and state database listings. These databases do not, in and of themselves, contain any data concerning environmental significant information, however the site was listed with FINDS Facility ID 110002786138and ECHO Environmental ID 1000209525. According to the HAZNET listings, the site recycled waste in the form of aqueous solution from 1993-2000. According to the HIST UST listing, the site was equipped with one 500-gallon waste oil UST. No violations were reported in connection with these listings and this site is not identified on any database that reports spills or releases, such as the LUST database. Based on the absence of a reported release and permit nature of the listings, this adjacent site is not expected to represent an environmental concern for the subject property.

- The property, identified as One-O-One and Harbor Inc. dump was located adjacent to the east of the subject property, and situated hydrologically down-gradient. Prior to use as a landfill/dump, the site was used for clay pit/brick manufacturing. The dump ceased operation in 1965 and occupied approximately 3.8 acres adjacent to the southwestern corner of the intersection of Pacific Coast Highway and Normandie Avenue. A solid waste water quality assessment test (SWAT) investigation was performed in 1989 and consisted of the installation of four groundwater monitoring wells and two lysimeters near the perimeter of the inactive dump.

  According to the analytical sampling results, soil samples indicated either undetectable metal concentrations or concentrations of metals below actionable values, and no detectable concentrations of organic halocarbons or volatile aromatic constituents. All samples were representative of native material found below the landfill refuse material. High OVA values for soil samples are believed to be due to methane gas. Several halocarbon and volatile aromatic constituents above Drinking Water Standards were detected in the groundwater. The well closest to the subject property (MW4) contained l,2 dichloroethane, trans l,2—dichloroethene, chlorobenzene, TCE, PCE, and benzene. Of these, l,2-dichloroethane, trans l,2-dichloroethene, and TCE were detected in all wells. Based on the SWAT report, ongoing groundwater monitoring was recommended. However, it is unclear if such monitoring ever occurred. Partner notes that an outstanding FOIA for further information is still pending with the RWQCB. However, based on the duration of time elapsed since the last landfill activities, depth to groundwater of approximately 80 feet, as well as the inferred direction of groundwater flow, this site is not expected to represent a significant environmental concern to the subject property.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

Based on the database report findings, vapor migration is not expected to represent a significant environmental concern at this time. However, as indicated in Section 4.1.7, due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Red Oak Investments (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other				**X**

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property, identified as Penn Equities LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User.

5.1.3 Interview with Key Site Manager

A key site manager was not available to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was reviewed a Title Insurance Policy issued by Provident Title Company dated October 10, 2018. Evidence of environmental lien and activity and use limitations (AUL) was not listed in the title.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

Phase II Subsurface Investigation Report, 1268 PCH Harbor City, 1268 Pacific Coast Highway, Los Angeles, California 90710, Partner, January 25, 2019.

Partner completed a subsurface investigation to evaluate the potential for contaminants associated with the former use as a rail road line. The purpose of the investigation was to evaluate the potential impact of petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), lead, and arsenic to soil as a consequence of a release or releases from the potential on-site railroad line.

On January 9, 2019, Partner subcontracted with Munoz Direct Push (Munoz) to provide and operate drilling equipment. Munoz, under the direction of Partner, advanced borings B1 through B4 with a limited-access Geoprobe Model 420MT direct push rig.

Partner collected 12 soil samples on January 9, 2019, which were transported on the same day in an iced cooler under chain-of-custody protocol to Jones Environmental Inc. (JEI), a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) certificate number 6C76103] in the City of Santa Fe Springs, California, for analysis. Each of the soil samples (12 soil samples total) was analyzed for total petroleum hydrocarbons (TPH-cc) in accordance with EPA Method 8015M/8260B, PAHs in accordance with EPA Method 8270C, OCPs in accordance with EPA Method 8081A, and arsenic and lead in accordance with EPA Method 6010B.

Total petroleum hydrocarbons as diesel (TPH-d) and total petroleum hydrocarbons as oil (TPH-o) were detected in one of the analyzed soil samples (B3-1.5) at concentrations exceeding the laboratory reporting limits (RLs). None of the remaining soil samples contained TPH-cc above laboratory RLs.

None of the analyzed soil samples contained detectable concentrations of OCPs or PAHs above the laboratory RLs.

Arsenic was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations exceeding laboratory RLs. Lead was detected in each of the 12 analyzed soil samples at concentrations exceeding laboratory RLs.

Neither of the detected concentrations of TPH-d and TPH-o in sample B3-1.5 exceeded the Maximum SSLs of 1,000 milligrams per kilogram (mg/kg) and 10,000 mg/kg, respectively. TPH-d was detected at 327 mg/kg and TPH-o was detected at 903 mg/kg. None of the remaining soil samples contained TPH-cc above the laboratory RLs and the RLs did not exceed the Maximum SSLs.

None of the analyzed soil samples contained detectable concentrations of OCPs or PAHs above the laboratory RLs and the RLs did not exceed the residential or commercial/industrial RSLs.

Each of the detected concentrations of arsenic (3 of 12 samples) exceeded the DTSC residential and industrial soil RSLs of 0.11 milligrams per kilogram (mg/kg) and 0.36 mg/kg, respectively. Arsenic was detected above the RLs in three samples collected from approximately 1.5 feet bgs at concentrations ranging from 12.5 mg/kg to 53.3 mg/kg. It should be noted that the residential and commercial RSLs are well below typical background concentrations; however, the three detections of arsenic also exceeded

background arsenic concentrations for typical California soils of 12 mg/kg as based on the Kearney Foundation of Soil Science March 1996 Background Concentrations of Trace and Major Elements in California Soils Report.

Lead was not detected in soil above background concentrations or RSLs.

There appear to be concentrations of arsenic on-site that may represent a concern to construction workers during proposed redevelopment of the site. No other contaminants of concern were detected above laboratory RLs and applicable screening levels. The arsenic impacts appear to be vertically limited to a depth of less than two feet bgs. Arsenic was not detected above screening criteria in the deeper samples. Arsenic was less than 0.5 mg/kg in those samples. Partner understands that several feet of surface soil will be over-excavated, mixed, and recompacted. Moving soil offsite is not anticipated. Thus, the arsenic in shallow soil will be mixed and redistributed, effectively reducing the concentration. Future residents will not have access to soil and would not be exposed. Notification to regulatory agencies is not required. Remedial action is not required by regulatory agencies. Partner recommends soil management in accordance with grading plans, codes, and regulations during future redevelopment activities.

A copy is attached in Appendix B.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Emilie Moore
Site Assessment Conducted On:	January 8, 2019

Partner was unaccompanied during the field reconnaissance.

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste generated at the subject property is disposed of in commercial dumpsters located in the rear of the subject property. The City of Los Angeles removes solid waste from the subject property.

6.1.2 Sewage Discharge and Disposal

There are no sanitary discharges on the subject property; however, The City of Los Angeles services the subject property vicinity.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located in the public right of way.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Fish & Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

There are no heating or cooling systems located on the subject property. Electricity in the vicinity of the subject property is provided by The Los Angeles Department of Water and Power (LADWP).

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

No permanent buildings are located onsite, thus no wastewater is produced.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

There are no permanent structures located on-site. As such, an asbestos evaluation was not required by the scope of services.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

There are no permanent structures located on-site. As such, a LBP evaluation was not required by the scope of services.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones

EPA Zones	Average Predicted Radon Levels	Potential
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the Los Angeles Department of Water and Power (LADWP) serves the subject property vicinity. According to a representative of the LADWP, the sources of public water for the City of Los Angeles are surface water (Colorado River Aqueduct & Los Angeles Aqueduct) as well as groundwater. According to the 2016 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

No obvious indications of water damage or mold growth were observed during Partner's visual assessment.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises. No items of environmental concern were identified on the adjacent properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner did not identify any recognized environmental conditions during the course of this assessment

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to the City of Los Angeles Planning Department (LAPD) ZIMAS database, the subject property is located within a significant oil production area known as "Methane Zones." Methane zone sites include sites including gas sources and where testing and mitigation are required by the City of Los Angeles Department of Building and Safety. Partner notes that no current or historical oil or gas wells are located on the subject property. Due to the potential environmental risk associated with construction in methane zones, the subject property owner is required to conduct a methane assessment and plan to install a methane mitigation system prior to the redevelopment of the subject property (Division 71 of the Los Angeles Building Code).
- The subject property was historically developed with railroad tracks bisecting the center of the parcel from north to south from 1923 until circa 1963. Railroad tracks and spurs represent environmental concerns due to the historical application of oils containing polychlorinated

biphenyls (PCBs), herbicides, and arsenic for pest and weed control, as well as the potential presence of creosote on the rail ties, and the historical common practice of using coal cinders for track fill material. While the subject property is currently paved over, potential PCB or arsenic concentrations resulting from the historic railroad use could be present in subsurface sediments. Due to the planned redevelopment of the subject property for residential use, Partner conducted soil sampling to evaluate the suspect potential contaminants.

Results indicated that arsenic was the only chemical of concern and was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations that exceeded the residential and industrial soil Department of Toxic Substances Control (DTSC) Regional Screening Levels (RSLs). Arsenic was detected above the RSLs in three samples collected from approximately 1.5 feet bgs at concentrations ranging from 12.5 milligrams per kilogram (mg/kg) to 53.3 mg/kg. It should be noted that the residential and commercial RSLs are well below typical background concentrations; however, the three detections of arsenic also exceeded background arsenic concentrations for typical California soils of 12 mg/kg as based on the Kearney Foundation of Soil Science March 1996 Background Concentrations of Trace and Major Elements in California Soils Report.

There appear to be concentrations of arsenic on-site that may represent a concern to construction workers during proposed redevelopment of the site. No other contaminants of concern were detected above laboratory RLs and applicable screening levels. The arsenic impacts appear to be vertically limited to a depth of less than two feet bgs. Arsenic was not detected above screening criteria in the deeper samples. Arsenic was less than 0.5 mg/kg in those samples. Partner understands that several feet of surface soil will be over-excavated, mixed, and recompacted. Moving soil offsite is not anticipated. Thus, the arsenic in shallow soil will be mixed and redistributed, effectively reducing the concentration. Future residents will not have access to soil and would not be exposed. Notification to regulatory agencies is not required. Remedial action is not required by regulatory agencies. Partner recommends soil management in accordance with grading plans, codes, and regulations during future redevelopment activities.

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 1268 Pacific Coast Highway in the Harbor City community within Los Angeles County (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has not revealed evidence of recognized environmental conditions in connection with the subject property. Based on the conclusions of this assessment, Partner recommends the following:

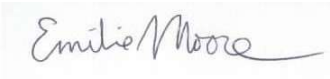
- Typical soil management practices used during earth moving, such as keeping soil watered to prevent dust, should be followed.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 1268 Pacific Coast Highway in the City of Los Angeles, Los Angeles County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Emilie Moore
Environmental Professional

Reviewed By:



Debbie Stott, P.G.
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, January 2019

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, January 2019

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, January 2019

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, January 2019

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, January 2019

United States Geological Survey, accessed via the Internet, January 2019

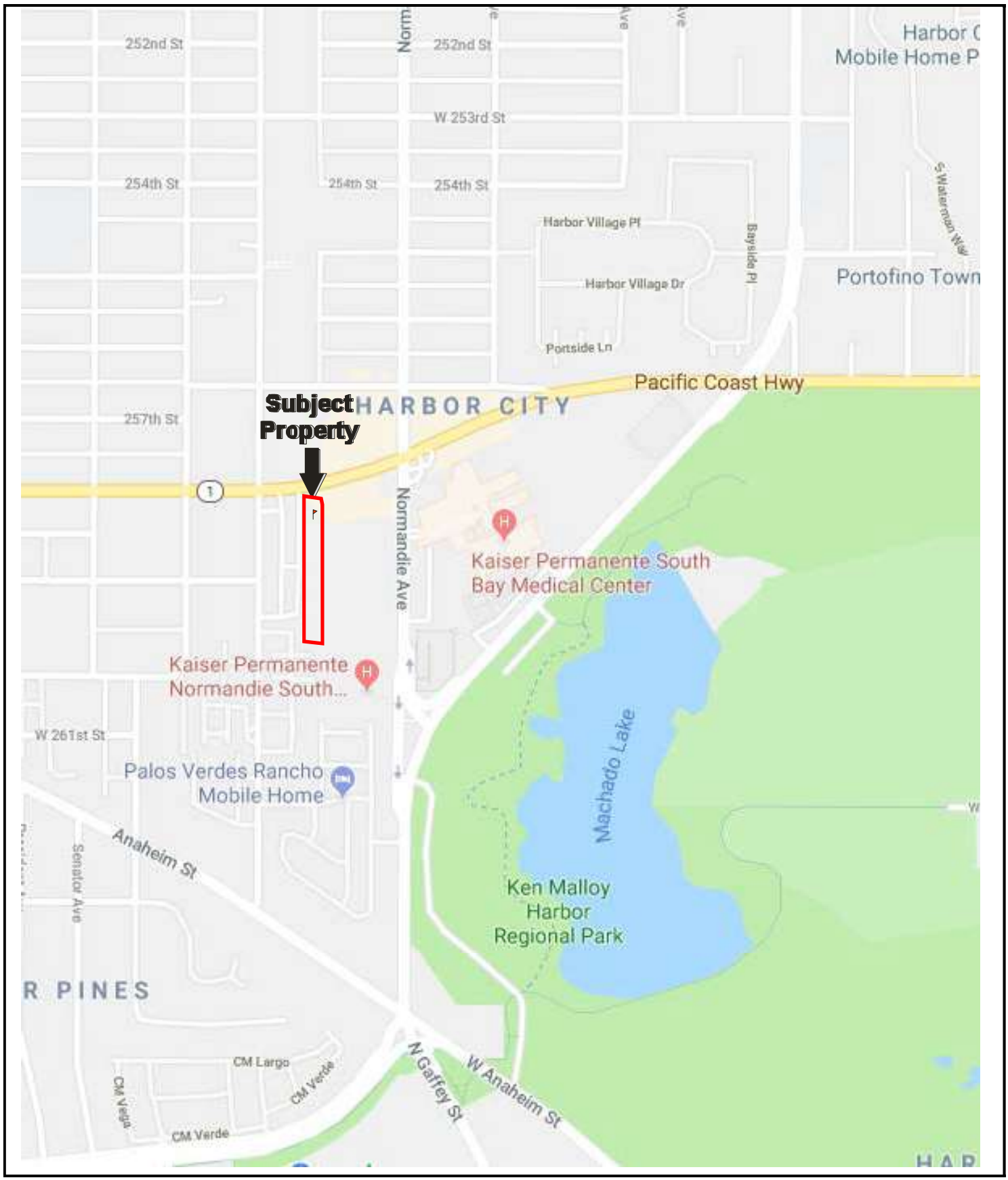
United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, January 2019

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP



N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 18-226425.1

PARTNER



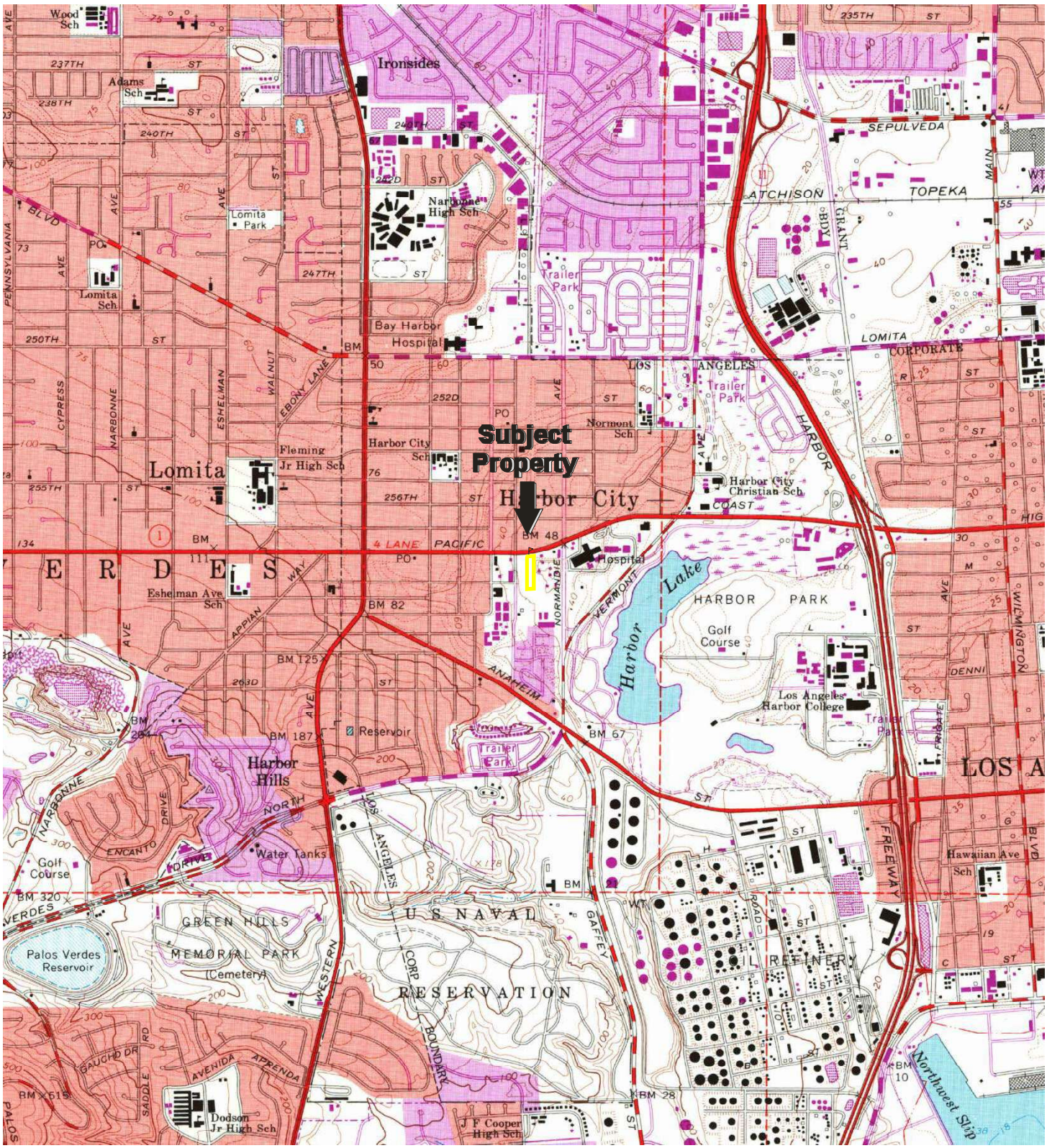
N

GROUNDWATER FLOW

KEY:
Subject Property

FIGURE 2: SITE PLAN
Project No. 18-226425.1

PARTNER



N

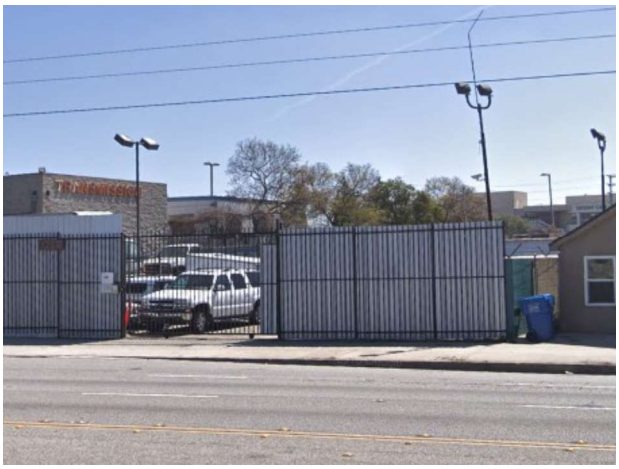
USGS 7.5 Minute *Torrance, California* Quadrangle
Year: 1981

KEY:
Subject Property

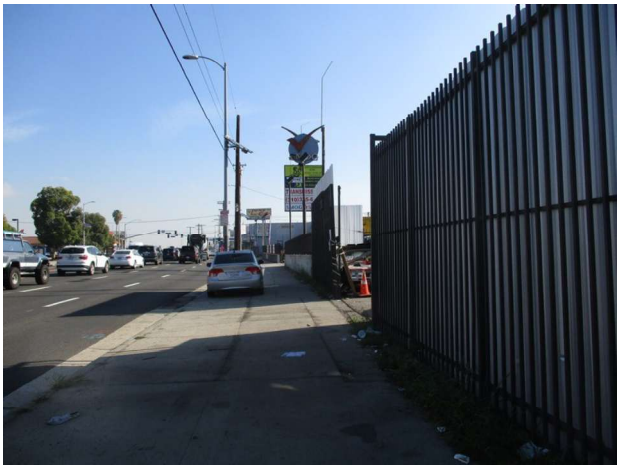
FIGURE 3: TOPOGRAPHIC MAP
Project No. 18-226425.1

PARTNER

APPENDIX A: SITE PHOTOGRAPHS



1. View of the north elevation and entrance of the subject property along Pacific Coast Highway.



2. View of the north elevation of the subject property along Pacific Coast Highway.



3. View of the parcel facing north.



4. View of the parcel facing northeast.



5. View of the parcel facing north.



6. View of the parcel facing south.



7. View of the parcel facing west.



8. View of the parcel facing north.



9. View of the parcel facing northwest.



10. View of the subject property ground marked for a subsurface investigation.



11. View of the east adjacent A-1 Auto Smog.



12. View of the west adjacent mobile home park.



13. View of Pacific Coast Highway looking east.



14. View of the north adjacent Pep Boys.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Aerial Photograph Year: 1923



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1928



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1947



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1953



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1963



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1970



500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1983

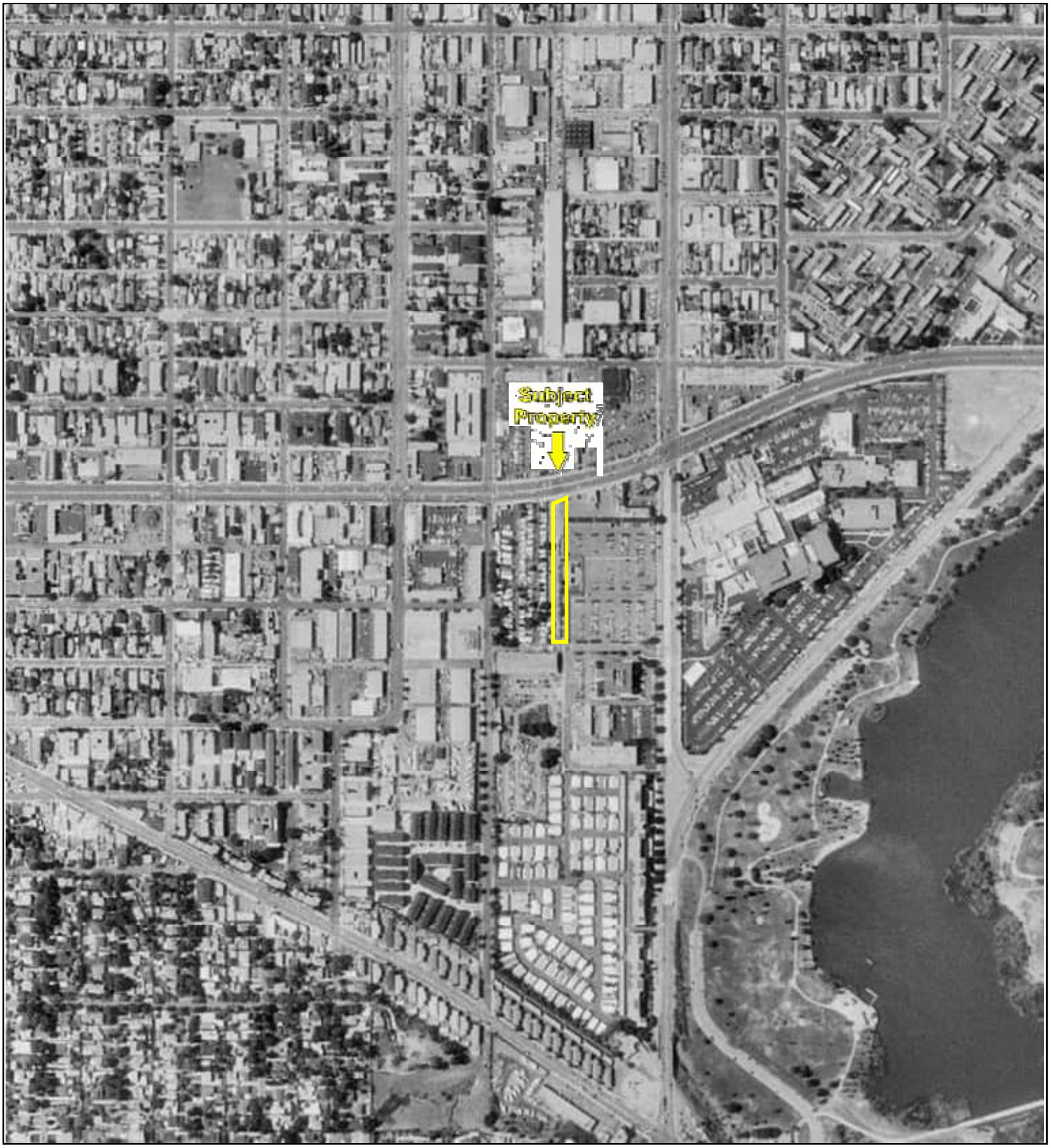


500 1000 2000

N

Key: Subject Property

Aerial Photograph Year: 1994



500 1000 2000

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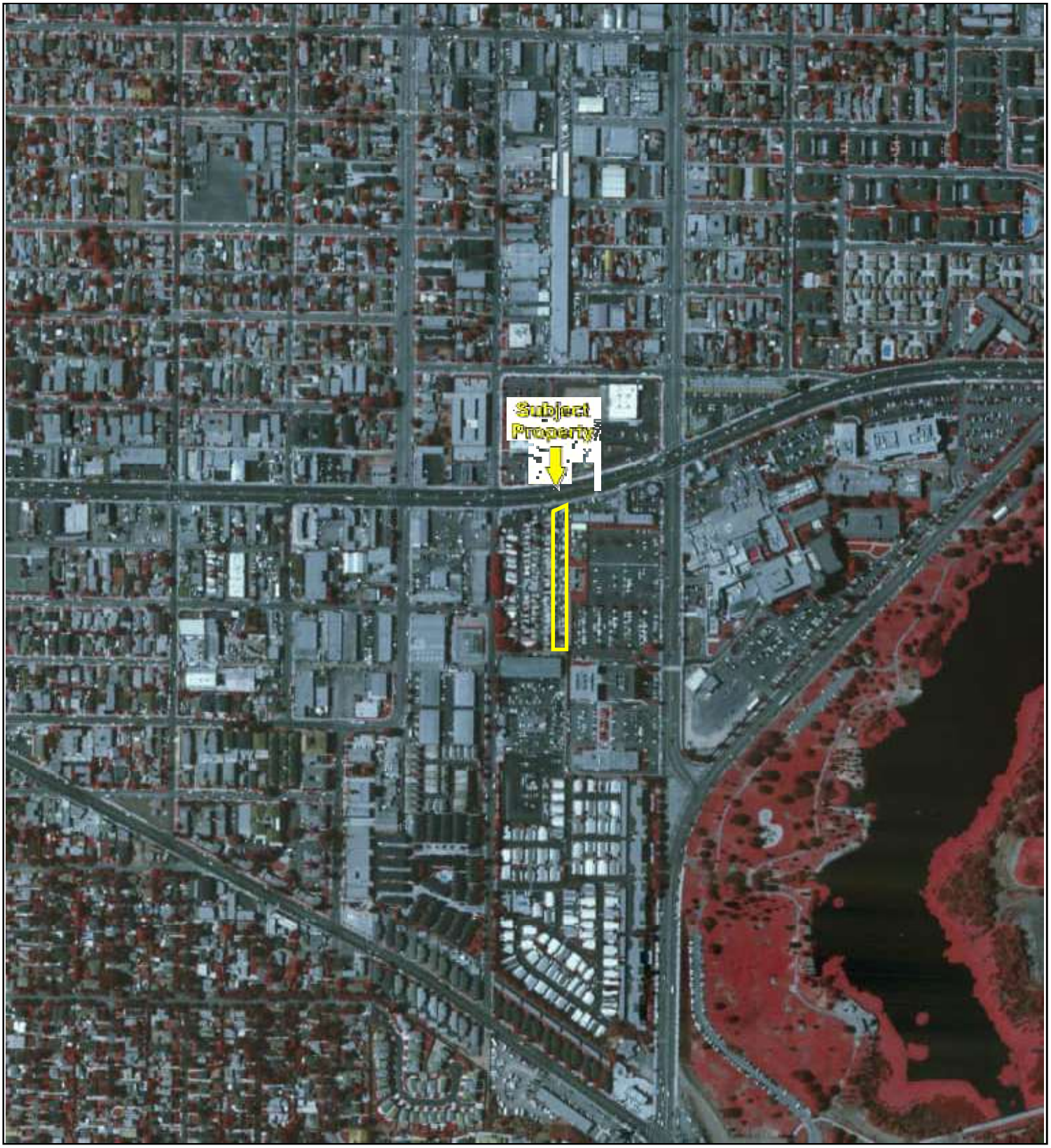
Key: Subject Property

Aerial Photograph Year: 2002



500 1000 2000

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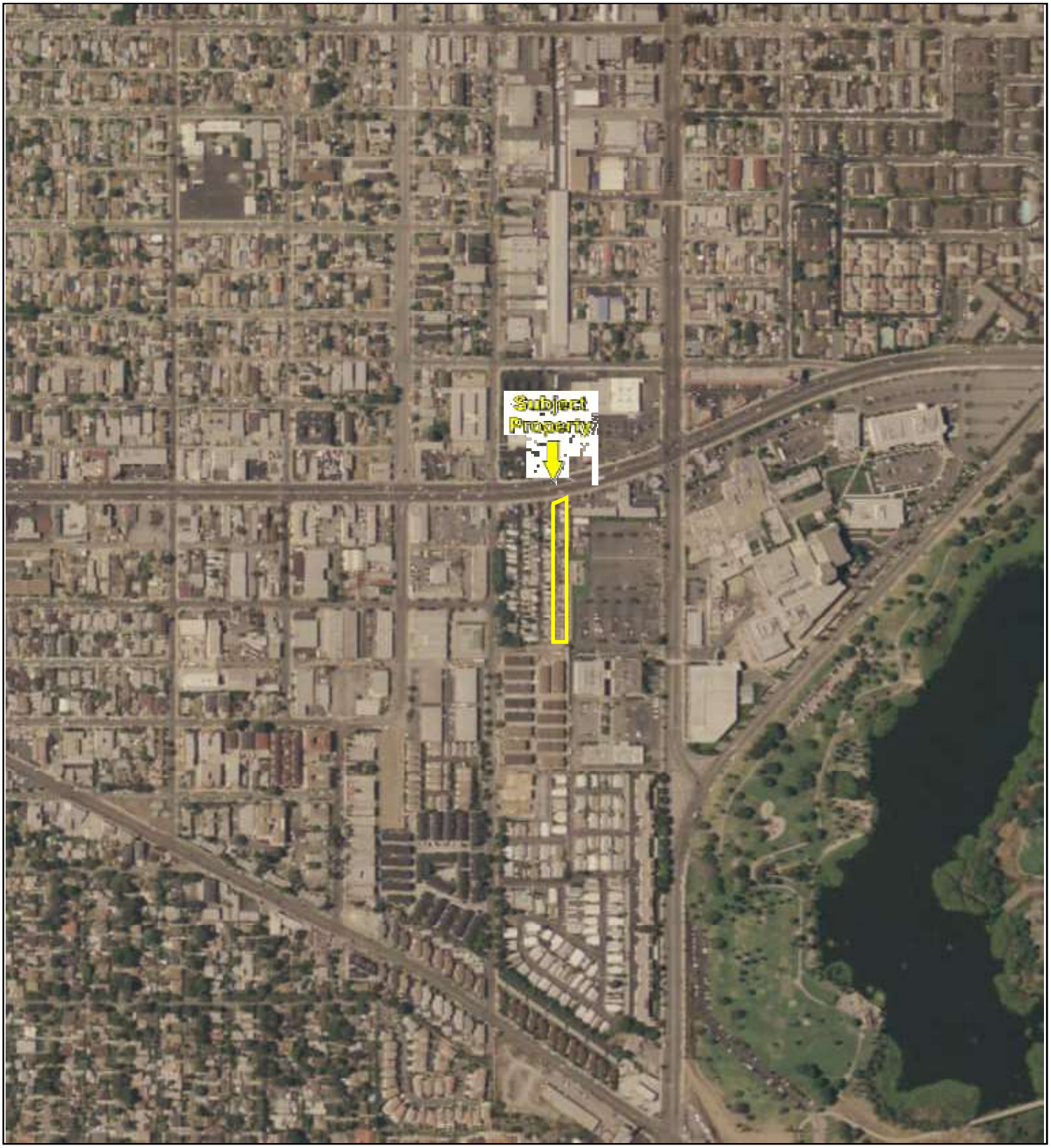
Key: Subject Property

Aerial Photograph Year: 2005



500 1000 2000

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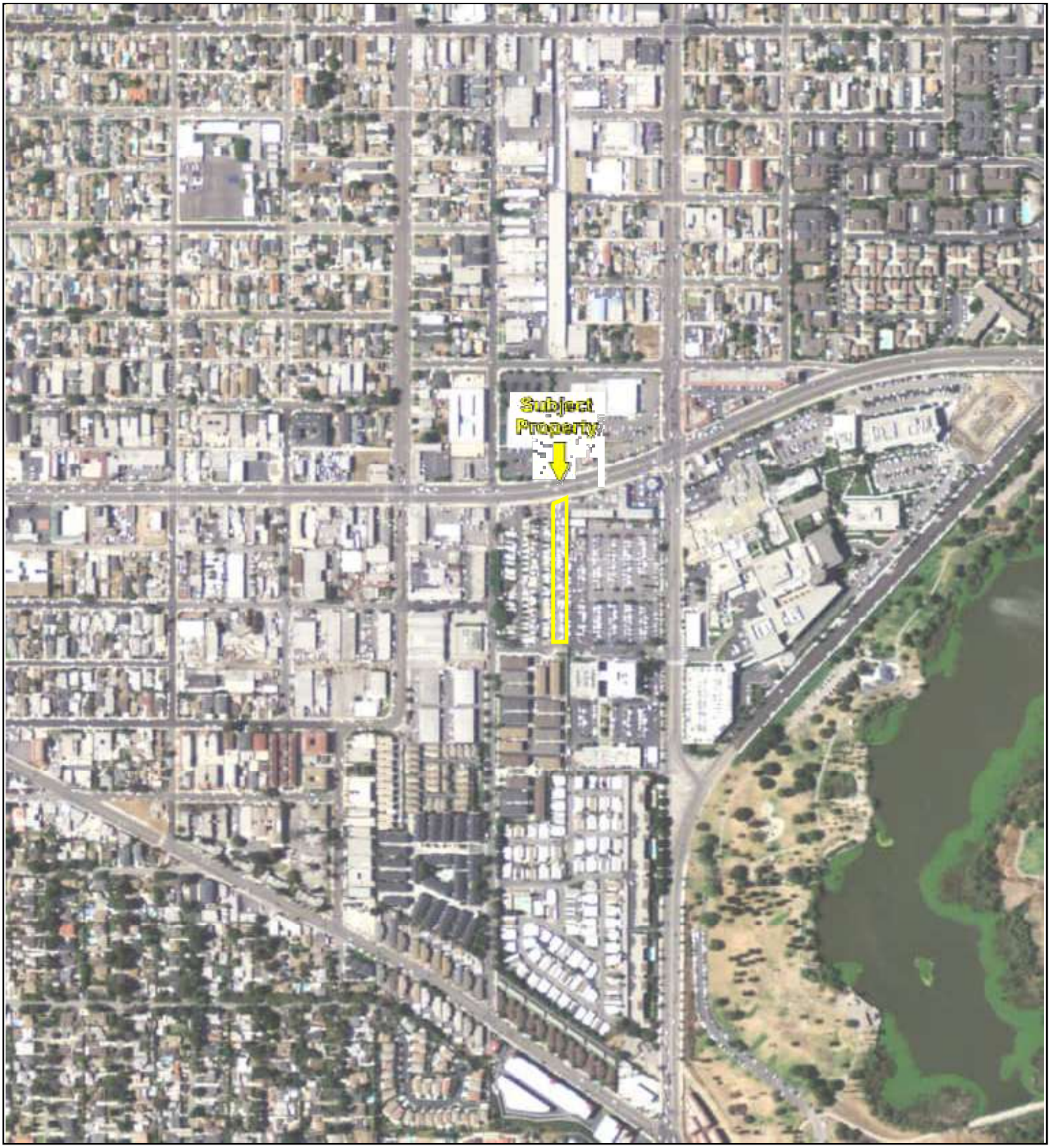
Key: Subject Property

Aerial Photograph Year: 2009



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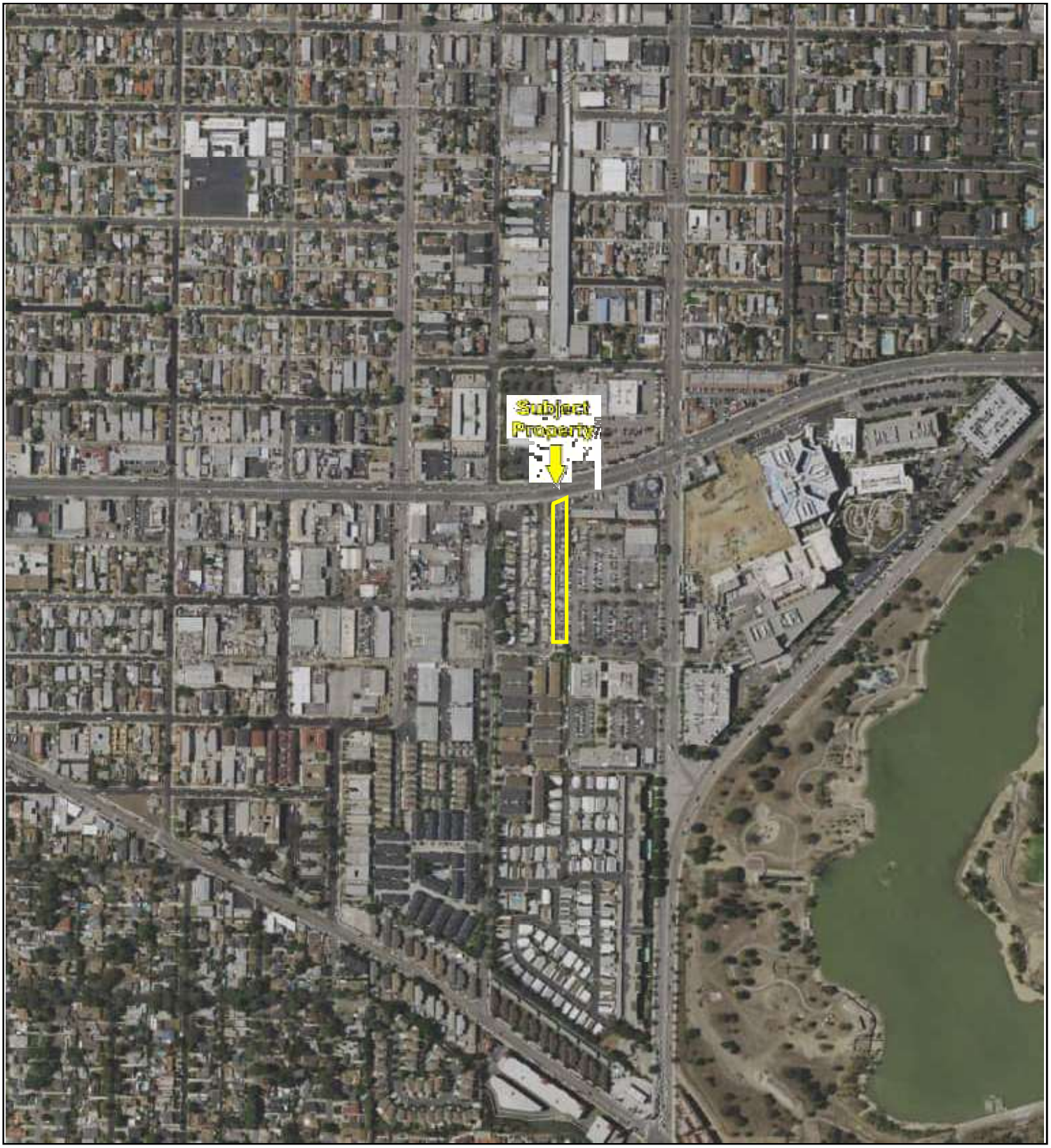
Key: Subject Property

Aerial Photograph Year: 2016



500 1000 2000

N

Key: Subject Property

Certified Sanborn® Map Report

05/23/18

Site Name:

1280 Pacific Coast Highway
1280 Pacific Coast Highway
Harbor City, CA 90710
EDR Inquiry # 5309178.3

Client Name:

Partner Engineering and Science, Inc.
2154 Torrance Blvd, Suite 200
Torrance, CA 90501-0000
Contact: Colleen Tubridy

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Certification # 3178-49F1-ABC4

PO # NA

Project 18-210321.1

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 3178-49F1-ABC4

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

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1280 Pacific Coast Highway
1280 Pacific Coast Highway
Harbor City, CA 90710

Inquiry Number: 5309178.5
May 30, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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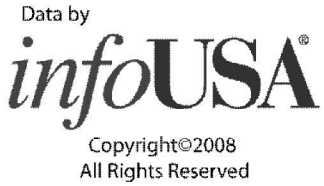

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2006	Haines Company	-	-	-	-
2004	Haines Company	-	-	-	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	X	X	-
	Haines & Company, Inc.	X	X	X	-
2000	Haines	-	-	-	-
1999	Haines Company	-	-	-	-
1996	GTE	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1995	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	X	X	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
1985	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1981	Pacific Telephone	-	X	X	-
1980	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1976	Pacific Telephone	-	X	X	-
1975	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1972	R. L. Polk & Co.	-	-	-	-
1971	R. L. Polk & Co.	-	-	-	-
1970	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1969	Pacific Telephone	-	-	-	-
1967	R. L. Polk & Co.	-	-	-	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1958	Pacific Telephone	-	-	-	-
1957	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1956	Pacific Telephone	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1950	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1949	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1948	Associated Telephone Company, Ltd.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	R. L. Polk & Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	-	-	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	-	-	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	TRIBUNE-NEWS PUBLISHING CO.	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	-	-	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	-	-	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1280 Pacific Coast Highway
Harbor City, CA 90710

FINDINGS DETAIL

Target Property research detail.

Pacific Coast Hwy

1280 Pacific Coast Hwy

Year	Uses	Source
2014	A1 TRAILER PARK	EDR Digital Archive
	CALIFORNIA VOYAGEURS	EDR Digital Archive
2010	A1 TRAILER PARK	EDR Digital Archive
	AAM MDSE	EDR Digital Archive
	CALIFORNIA VOYAGEURS	EDR Digital Archive

PACIFIC COAST HWY

1280 PACIFIC COAST HWY

Year	Uses	Source
2001	6 A 1 TRLRPK A 1 TRAILER PK	Haines & Company, Inc.
	SANCHEZJoaqum	Haines & Company, Inc.
1995	A15 DORANTES L	Pacific Bell
	A19 CAVANAUGH JIM	Pacific Bell
	A20 CHAVEZ JOEL PULIDO	Pacific Bell
	A3 STOMBS RICHARD T	Pacific Bell
	B10 KINNEY DWIGHT F	Pacific Bell
	B11 LAY RICHARD JEFFERY	Pacific Bell
	B12 HARDWICK RONALD	Pacific Bell
	C19 A-1 TRAILER PARK	Pacific Bell
	C19 SHERMAN CHARLES	Pacific Bell
	D11 MAY SAMUEL M	Pacific Bell
	D17 CEJA DELFINO	Pacific Bell
	D7 MCFARLAND JOHN R	Pacific Bell
	E10 SANCHEZ JOAQUIN	Pacific Bell
	E15 HOLT CHRISTINE	Pacific Bell
1990	A1 MUISE DAVE	Pacific Bell

FINDINGS

Year	Uses	Source
1990	A14 PLILEY D B	Pacific Bell
	A19 VELICKI RADOVAN	Pacific Bell
	A21 JONES WALTER	Pacific Bell
	A3 STOMBS RICHARD T	Pacific Bell
	A4 MCBREARTY MICHAEL	Pacific Bell
	ANDERSON DOMINGA B	Pacific Bell
	B10 KINNEY DWIGHT F	Pacific Bell
	B3 WILEY WILL	Pacific Bell
	B9 GREBB KELLY	Pacific Bell
	BATES RAYMOND	Pacific Bell
	C11 MAY SAMUEL M	Pacific Bell
	C15 MOGENSEN JERRY	Pacific Bell
	C19 GRAFT ERNEST W	Pacific Bell
	CONCRETE & ASPHALT SAWING	Pacific Bell
	D16 FONSECA EUSEDIO	Pacific Bell
	D7 MC FARLAND JOHN R	Pacific Bell
	E10 SANCHEZ JOAQUIN	Pacific Bell
	E12 ROKES DELBERT	Pacific Bell
	E15 HOLT CHRISTINE	Pacific Bell
	E16 GRIFFIN TRAVIS	Pacific Bell
	E17 MALCOLM T	Pacific Bell
	E7 HAWK M I	Pacific Bell
	E9 A-1 TRAILER PARK	Pacific Bell
	SHAFER PAUL H	Pacific Bell
1985	A-1 TRAILER PARK	Pacific Bell
	CONCRETE & ASPHALT SAWING	Pacific Bell
	DE NEEFE JAY	Pacific Bell
	FLETCHER J	Pacific Bell
	FRITZ P	Pacific Bell
	GRAFT ERNEST W	Pacific Bell
	GREBB KELLY	Pacific Bell
	GUMP GEO D	Pacific Bell
	HANSON CLAUDE	Pacific Bell
	HAWK M I	Pacific Bell
	HOLT CHRISTINE	Pacific Bell
	HOOVER JOHN	Pacific Bell
	JACKSON TOIVO J	Pacific Bell
	KINNEY DWIGHT F	Pacific Bell

FINDINGS

Year	Uses	Source
1985	MAY SAMUEL M	Pacific Bell
	MCAULIFF PATRICK	Pacific Bell
	MCBREARTY MICHAEL	Pacific Bell
	MCFARLAND JOHN R	Pacific Bell
	MIGNANO BEN	Pacific Bell
	MOGENSEN JERRY	Pacific Bell
	MOORE WOODROW G	Pacific Bell
	MUISE DAVE	Pacific Bell
	PLILEY D B	Pacific Bell
	POWELL ED JR	Pacific Bell
	REIN LLOYD M	Pacific Bell
	SALVESTON T H	Pacific Bell
	STOMBS RICHARD T	Pacific Bell
	THOMPSON C A	Pacific Bell
	VANN C O	Pacific Bell
	WILCOX MELBA	Pacific Bell
	WILEY WILL	Pacific Bell
1980	A-1 TRAILER PARK	Pacific Telephone
	ANKERSTAR C	Pacific Telephone
	BABIN LAWRENCE C MRS	Pacific Telephone
	DENEEFE JAY & LAURIE	Pacific Telephone
	FLETCHER DAVID A	Pacific Telephone
	FRANKS WM M	Pacific Telephone
	FRITZ P	Pacific Telephone
	GENE L SIDWELL CONCRETE & ASPHALT SAWING	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	GREBB KELLY	Pacific Telephone
	HAWK M I	Pacific Telephone
	HOLT CHRISTINE	Pacific Telephone
	JACKSON TOIVO J	Pacific Telephone
	LUNDIN V LOUIS	Pacific Telephone
	MCBREARTY MICHAEL	Pacific Telephone
	MCFARLAND JOHN R	Pacific Telephone
	MIGNANO BEN	Pacific Telephone
	MITCHELL WAYNE & ANA MARIA	Pacific Telephone
	MOGENSEN JERRY	Pacific Telephone
	MOORE WOODROW G	Pacific Telephone
	MOYER JIM L	Pacific Telephone

FINDINGS

Year	Uses	Source
1980	MUFFLY A L	Pacific Telephone
	NELSON JUDY	Pacific Telephone
	PLILEY D B	Pacific Telephone
1975	A-1 TRAILER PARK	Pacific Telephone
	ATHEY JOHN	Pacific Telephone
	BABIN LAWRENCE C MRS	Pacific Telephone
	BARRETT D B	Pacific Telephone
	BATTAGLIA V M	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLIBURN HANNAH	Pacific Telephone
	CURNUTT J C	Pacific Telephone
	EHLENDT RICHARD M	Pacific Telephone
	FINNEY LEE	Pacific Telephone
	FRITZ P	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	HAWK M I	Pacific Telephone
	HOLT CHRISTINE	Pacific Telephone
	JEWETT C R	Pacific Telephone
	JOHNSON ACE C	Pacific Telephone
	JUETT TRACY G	Pacific Telephone
	KEMP O G	Pacific Telephone
	KESTER STANLEY	Pacific Telephone
	LAYFIELD ROBT	Pacific Telephone
	LEWIS IVEY	Pacific Telephone
	LUNDIN V LOUIS	Pacific Telephone
	MARTIN W D	Pacific Telephone
	MEYER ELMER J	Pacific Telephone
	MOGENSEN MARY	Pacific Telephone
	MOVER JIM L	Pacific Telephone
	MUFFLY A L	Pacific Telephone
	PARKINSON O	Pacific Telephone
	PLILEY W L	Pacific Telephone
1970	A-1 TRAILER PARK	Pacific Telephone
	ALLEN HELEN N	Pacific Telephone
	BUCKALEW ODELL A	Pacific Telephone
	CAYLOR WAYNE	Pacific Telephone
	CLIBURN HANNAH	Pacific Telephone
	COOK RUSSELL B	Pacific Telephone

FINDINGS

Year	Uses	Source
1970	DEWALD JOS	Pacific Telephone
	DURRELL DORDTHY	Pacific Telephone
	FINNEY LEE O	Pacific Telephone
	GAULDING THOS J	Pacific Telephone
	HARTFORD J	Pacific Telephone
	IGNACIO TOMAS L G	Pacific Telephone
	JEWETT C R	Pacific Telephone
	JOHNSON ACE C	Pacific Telephone
	LEWIS IVEY	Pacific Telephone
	LOZANO CONRAD JR	Pacific Telephone
	LYON MARY E MRS	Pacific Telephone
	MCMULLEN PEARL DEAN	Pacific Telephone
	MOGENSEN MARY	Pacific Telephone
	OSBORNE FLOYD	Pacific Telephone
	OWENS IVA N	Pacific Telephone
	PARKINSON HERBERT	Pacific Telephone
	RAINWATER CHAS H	Pacific Telephone
	REED HELENE H	Pacific Telephone
	UDE CARL E	Pacific Telephone
1964	A-1 TRAILER PARK	Pacific Telephone
	BINK CARRIE M	Pacific Telephone
	DAVIS MAGGIE A	Pacific Telephone
	GARRISON BEATRICE E	Pacific Telephone
	HEDIGER ERNEST	Pacific Telephone
	HILL THOS	Pacific Telephone
	HONEYWELL STELLA M	Pacific Telephone
	KILPATRICK JOHNNIE R	Pacific Telephone
	LYON MARY E MRS	Pacific Telephone
	MARKLEY FRANCIS D	Pacific Telephone
	MATTHEWS THAD J	Pacific Telephone
	MCGEE GEO	Pacific Telephone
	OSBORNE FLOYD	Pacific Telephone
	TARBET MAUDE	Pacific Telephone
	VAN HEUVEL WALTER J	Pacific Telephone
	WORKMAN W T	Pacific Telephone
1960	A-1 TRAILER PARK	Pacific Telephone
	BERGER GILBERT J	Pacific Telephone
	BINK CARRIE M	Pacific Telephone

FINDINGS

Year	Uses	Source
1960	CAMARENA MOLLIE	Pacific Telephone
	DAVIS MAGGIE A	Pacific Telephone
	GRITTON ANNA MRS	Pacific Telephone
	METZGER MICHAEL T	Pacific Telephone
	PEREDETTO LOUIS C	Pacific Telephone
	SULLIVAN RUSSELL R SGT	Pacific Telephone
	TARBET MAUDE	Pacific Telephone
	TARNOW EMIL H	Pacific Telephone
	VAN HEUVEL WALTER J	Pacific Telephone
	VERENKOFF PETER	Pacific Telephone
	WALLINGER FIDALUS	Pacific Telephone
1957	COLE JAS	Pacific Telephone
	HONEYWELL STELLA M	Pacific Telephone
	IDOSE SILAS J	Pacific Telephone
1954	A-I TRAILER SALES	R. L. Polk & Co.
1950	OAKES ERNEST PLMBNG CONTR	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

259TH

1408 259TH

Year	Uses	Source
1995	DECORATIVE RIBBON PRODUCTS	Pacific Bell
1990	MARIAS DRAPERIES	Pacific Bell

1410 259TH

Year	Uses	Source
1995	GLOBAL TECH	Pacific Bell
1990	X E M	Pacific Bell

1412 259TH

Year	Uses	Source
1995	NBJ & ASSOCIATES	Pacific Bell
1990	VALENZA SPORTSWEAR	Pacific Bell
1981	F & S SPORTSWEAR NO 2 HARBOR CITY	Pacific Telephone

1414 259TH

Year	Uses	Source
1995	RINCON DEL MAR INC	Pacific Bell

1416 259TH

Year	Uses	Source
1990	F & M STRIPER SERVICE	Pacific Bell

1418 259TH

Year	Uses	Source
1995	SPACETIME MACHINE CO	Pacific Bell
1990	SPACETIME MACHINE CO	Pacific Bell

1422 259TH

Year	Uses	Source
1995	MILLER STEPHEN D	Pacific Bell
1990	MILLER STEPHEN D	Pacific Bell

FINDINGS

1424 259TH

Year	Uses	Source
1981	E P I ENERGY SYSTEMS HARBOR CITY	Pacific Telephone

1426 259TH

Year	Uses	Source
1995	FRANKS INDUSTRIAL	Pacific Bell
	FRANKS INDUSTRIAL SERVICES	Pacific Bell
1990	FRANKS INDUSTRIAL SERVICES	Pacific Bell
	FRANKS INDUSTRIAL	Pacific Bell

1428 259TH

Year	Uses	Source
1995	POTTS USA	Pacific Bell
1990	WEST COAST AIR CONDITIONING CO	Pacific Bell

1429 259TH

Year	Uses	Source
1995	SPACEONICS INDUSTRIES INC	Pacific Bell
1990	SPACEONICS INDUSTRIES INC	Pacific Bell

259TH PL

1333 259TH PL

Year	Uses	Source
1957	HALL S AUTO WRECKING	Pacific Telephone
1954	BARROZO VII R	R. L. Polk & Co.
1950	BARROZO M R R	Pacific Telephone

BELLE PORTE AVE

25731 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1980	MARQUEZ TRINIDAD	Pacific Telephone

25733 BELLE PORTE AVE

Year	Uses	Source
1964	MUKAIHATA TAMIECHR	Pacific Telephone
1960	MUKAIHATA TAMIECHI	Pacific Telephone
1957	MUKAIHATA TAMIECHI	Pacific Telephone

FINDINGS

Year	Uses	Source
1954	MUKAIHATA TAD	R. L. Polk & Co.
1950	MUKAIBATA TAD R	Pacific Telephone

25737 BELLE PORTE AVE

Year	Uses	Source
2001	ANAYA C	Haines & Company, Inc.
1995	3 FERNANDEZ HECTOR	Pacific Bell
	6 ANAYA CARLOS	Pacific Bell
1990	3 FERNANDEZ HECTOR	Pacific Bell
	4 ROMO HUMBERTO & CHRISTINA	Pacific Bell
	5 MAGALLON JOSE F	Pacific Bell
	6 ANAYA CARLOS	Pacific Bell
	7 NOVOA LUIS	Pacific Bell
	9 PENA BARTOLO	Pacific Bell
	10 OROZCO FRANCISCO	Pacific Bell
1985	ANAYA CARLOS	Pacific Bell
	CARRILLO LUIS	Pacific Bell
	DELGADILLO EDUVIGES	Pacific Bell
	MAGALLON JESUS	Pacific Bell
	NOVOA LUIS	Pacific Bell
1980	ANAYA CARLOS	Pacific Telephone
	CARRILLO LUIS	Pacific Telephone
	DELGADILLO EDUVIGES	Pacific Telephone
	NOVOA LUIS	Pacific Telephone
1975	CARRILLO LUIS	Pacific Telephone
	CHAVEZ RAYMUNDO	Pacific Telephone
	MATSUYAMA ITARU	Pacific Telephone
	NOVOA LUIS	Pacific Telephone
1970	CHAVEZ RAYMOND	Pacific Telephone
	AKIYAMA C	Pacific Telephone
1964	BROWN GEO W	Pacific Telephone
	ALVARADO HENRY JR	Pacific Telephone
1960	BONE KEITH A	Pacific Telephone
1957	BONE KEITH A	Pacific Telephone
1954	BONE KEITH A	R. L. Polk & Co.
1950	NICHOLLS THOS SR R	Pacific Telephone

FINDINGS

25824 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Belle Porte Ave

25840 Belle Porte Ave

Year	Uses	Source
2014	SOUTH COAST AUTO COLLISION	EDR Digital Archive
2010	SOUTH COAST AUTO COLLISION	EDR Digital Archive
	CLEAN-CO SYSTEMS	EDR Digital Archive
	LANDAVAZO BROS INC	EDR Digital Archive

BELLE PORTE AVE

25840 BELLE PORTE AVE

Year	Uses	Source
2001	SOUTHCSTAUTO	Haines & Company, Inc.
1995	D9 SOUTH COAST AUTO BODY & PAINT	Pacific Bell
	Unique Auto Center	Pacific Bell
	Carson Mall Towing	Pacific Bell
1990	PACIFIC AUTO SERVICE CENTER	Pacific Bell
1985	PACIFIC AUTO SERVICE CENTER	Pacific Bell
1960	STRANCO STONE	Pacific Telephone

25841 BELLE PORTE AVE

Year	Uses	Source
2001	WELLSGary	Haines & Company, Inc.
1990	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Bell
	JACK WOOD PLUMBING INC	Pacific Bell
	JACK WOOD PLUMBING & HEATING	Pacific Bell
1986	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Bell
1985	JACK WOOD PLUMBING INC	Pacific Bell
	WOOD JACK PLUMBING INC	Pacific Bell
1981	JACK WOOD PLUMBING & HEATING HARBOR CITY	Pacific Telephone
1980	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	JACK WOOD PLUMBING INC	Pacific Telephone
1976	Jack Wood Plumbing & Heating	Pacific Telephone

FINDINGS

Year	Uses	Source
1975	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	JACK WOOD PLUMBING INC	Pacific Telephone
1970	JACK WOOD PLUMBING & HEATING	Pacific Telephone
1964	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	WOOD JACK PLUMBLG & HEATING	Pacific Telephone
1960	HARBOR CITY CHAMBER OF COMMERCE	Pacific Telephone
	JACK WOOD PLUMBING & HEATING	Pacific Telephone
	WOOD JACK PLUMBING & HEATING	Pacific Telephone
1957	WOOD JACK PLUMBING & HEATING	Pacific Telephone

Belle Porte Ave

25889 Belle Porte Ave

Year	Uses	Source
2014	GOTHAM LOFTS LLC	EDR Digital Archive
	BENNETT ENTERPRISES A CA	EDR Digital Archive
2010	BENNETT ENTERPRISES A CA	EDR Digital Archive

BELLE PORTE AVE

25889 BELLE PORTE AVE

Year	Uses	Source
1995	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
1990	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
	FERRIN WOODWORKING & SUPPLY CO HARBOR CITY	Pacific Bell
1986	FERRIN WOODWORKING & SUPPLY CO HARBOR CITY	Pacific Bell
1985	FERRIN WOODWORKING & SUPPLY CO	Pacific Bell
1980	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1976	Ferrin Woodworking & Supply Co	Pacific Telephone
1975	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1970	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone
1964	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone

Year	Uses	Source
1960	FERRIN WOODWORKING & SUPPLY CO	Pacific Telephone

Belle Porte Ave

25901 Belle Porte Ave

Year	Uses	Source
2014	AMERICAN HERITAGE PERFORMANCE	EDR Digital Archive

BELLE PORTE AVE

25901 BELLE PORTE AVE

Year	Uses	Source
1995	RAFIK ZARGARIAN	Pacific Bell
1986	PACIFIC PROPERTY ASSOCIATES HARBOR CITY	Pacific Bell
1985	TOOMEYS RACING	Pacific Bell
	NAFEL JERRY PROPERTIESREALTOR	Pacific Bell
	TOOMEY STUART	Pacific Bell
1980	NAFEL JERRY PROPERTIES REALTOR	Pacific Telephone

25903 BELLE PORTE AVE

Year	Uses	Source
1995	ATLACAT	Pacific Bell
1990	RINCON DEL MAR INC	Pacific Bell
	DUOSKIN INC	Pacific Bell
1985	GOLDEN STITCH THE	Pacific Bell
	JAMI ENGINEERING	Pacific Bell

25905 BELLE PORTE AVE

Year	Uses	Source
1990	VALENZA SPORTSWEAR	Pacific Bell

25907 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	ALBERICCI PAT GLAZING	Pacific Bell
1980	JACQUI OF CALIF	Pacific Telephone

FINDINGS

25909 BELLE PORTE AVE

Year	Uses	Source
1995	XYTEX COMPANY	Pacific Bell
1990	XYTEX COMPANY	Pacific Bell
1985	XYTEX COMPANY	Pacific Bell

Belle Porte Ave

25911 Belle Porte Ave

Year	Uses	Source
2014	ROPER CONSTRUCTION COMPANY INC	EDR Digital Archive
2010	ACCURITE INC	EDR Digital Archive

BELLE PORTE AVE

25911 BELLE PORTE AVE

Year	Uses	Source
2001	ACCURITE	Haines & Company, Inc.
1995	TOYAMA FRANK K	Pacific Bell
1990	TOYAMA FRANK K	Pacific Bell
1985	TOYAMA FRANK K MACH SHP	Pacific Bell
1950	COMMERCIAL STEEL INC	Pacific Telephone

Belle Porte Ave

25913 Belle Porte Ave

Year	Uses	Source
2010	APPLIED BUSINESS CONCEPTS	EDR Digital Archive

BELLE PORTE AVE

25919 BELLE PORTE AVE

Year	Uses	Source
1995	L A LOOK INC	Pacific Bell
1990	F & S SPORTSWEAR	Pacific Bell
1985	F & S SPORTSWEAR	Pacific Bell
1981	F & S SPORTSWEAR HARBOR CITY	Pacific Telephone
1980	F & S SPORTSWEAR	Pacific Telephone
1976	F & S Sportswear	Pacific Telephone

FINDINGS

Belle Porte Ave

25920 Belle Porte Ave

Year	Uses	Source
2010	MAR INTERNATIONAL TRADING CORP	EDR Digital Archive

BELLE PORTE AVE

25920 BELLE PORTE AVE

Year	Uses	Source
2001	MAR INTERNATL	Haines & Company, Inc.
1990	UNIMASCO INC	Pacific Bell
	UNIMASCO INC HARBOR CITY	Pacific Bell
1986	UNIMASCO INC HARBOR CITY	Pacific Bell
1985	UNIMASCO INC	Pacific Bell
1981	CARRIAGE HOUSE WAREHOUSE HARBOR CITY	Pacific Telephone
1980	CARRIAGE HOUSE WHSE	Pacific Telephone
1976	Kline & Kline Storage & Moving Co Inc	Pacific Telephone
	Allied Van Lines Inc movng Agencies Lomita	Pacific Telephone
1975	KLINE & KLINE STORAGE & MOVING CO INC	Pacific Telephone
	Harbor City	Pacific Telephone
	ALLIED VAN LINES INC MOVNG	Pacific Telephone
1970	ALLIED VAN LINE S INC MOVNG AGENCIES	Pacific Telephone
	KLINE & KLINE STORAGE & MOVING CO	Pacific Telephone
	KLINE & KLINE STORAGE & MOVING CO INC	Pacific Telephone
1964	B & W CHEMICAL CO	Pacific Telephone
	PUREX CORP LTD-INDUSTRIAL DIV	Pacific Telephone
	WASHBURN-PUREX CO	Pacific Telephone
1960	B & W CHEMICAL CO	Pacific Telephone
1957	B & W CHEMICAL CO	Pacific Telephone

Belle Porte Ave

25930 Belle Porte Ave

Year	Uses	Source
2014	CANINE RETREAT	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	AERO PNEUDRAULICS INC	EDR Digital Archive

BELLE PORTE AVE

25930 BELLE PORTE AVE

Year	Uses	Source
2001	EUROPEANHITECH	Haines & Company, Inc.
1995	F M F MOTORCYCLE HIGH PERFORMANCE	Pacific Bell
1990	MICREE CORP	Pacific Bell
1985	MICREE CORP	Pacific Bell
1980	LEGGE N R CONSLTNT	Pacific Telephone
	MICREE CORP	Pacific Telephone

25934 BELLE PORTE AVE

Year	Uses	Source
1970	BINDCO MFG INC	Pacific Telephone

25940 BELLE PORTE AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

25949 BELLE PORTE AVE

Year	Uses	Source
2001	PFCW LOCALL	Haines & Company, Inc.
1995	UFCW LOCAL 770	Pacific Bell
	U F C W UNIONS & FOOD EMPLOYERS JOINT TRUST	Pacific Bell
	U F C W UNIONS & DRUG EMPLOYERS TRUST FUNDS	Pacific Bell
1990	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL	Pacific Bell
1985	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	FONSTEIN HAROLD ATTY	Pacific Bell
	FORSTEIN HAROLD ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Bell

FINDINGS

Year	Uses	Source
1985	MARIAS EUGENE ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	SHAPIRO MARVIN N ROSE KLEIN & MARIAS ATTYS	Pacific Bell
	UFCW UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
	UNITED FOOD & COMMERCIAL WORKERS UNION LOCAL 905	Pacific Bell
1980	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	FORSTEIN HAROLD ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	FONSTEIN HAROLD ATTY	Pacific Telephone
1975	BERMAN JEROME A ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LEHMAN HOWARD N ROSE KLEIN & MARIAS ATTYS	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERKATL ASSN	Pacific Telephone
	MARIAS EUGENE ROSE KLEIN & MARINAS ATTYS	Pacific Telephone
1970	ROSE KLEIN & MARLAS ATTYS	Pacific Telephone
	SO CALIF EMPLOYER-RETAIL CLERKS UNION TRUST FUND	Pacific Telephone
	RETAIL CLERKS UNION & FOOD EMPLOYERS BENEFIT FUND	Pacific Telephone
	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
1964	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERNATL ASSN	Pacific Telephone
1960	RETAIL CLERKS INTERNATL ASSN LOCAL 905	Pacific Telephone
	LOCAL 905 RETAIL CLERKS INTERNATL ASSN	Pacific Telephone
	AUTOMOBILE SALESMEN S UNION LOCAL 1056	Pacific Telephone

FINDINGS

Belle Porte Ave

25950 Belle Porte Ave

Year	Uses	Source
2014	OMNI INSTRMENTATION PNEUMATICS	EDR Digital Archive
2010	OMNI INSTRMENTATION PNEUMATICS	EDR Digital Archive

BELLE PORTE AVE

25950 BELLE PORTE AVE

Year	Uses	Source
1995	4 CUSTOM DESIGN	Pacific Bell
1990	HANASPORT	Pacific Bell
	CUSTOM DESIGN	Pacific Bell
	F M F MOTORCYCLE HIGH PERFORMANCE	Pacific Bell
1976	Browning & Co	Pacific Telephone
1960	HENRY L STANLEY	Pacific Telephone
1957	HENRY L STANLEY	Pacific Telephone
1954	HENRY FLORENE MRS	R. L. Polk & Co.

25952 BELLE PORTE AVE

Year	Uses	Source
1960	GRANDY M L & SON EXCAVTNG	Pacific Telephone
1957	GRANDY M L & SON EXCAVTNG	Pacific Telephone

FRAMPTON AVE

25680 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Frampton Ave

25690 Frampton Ave

Year	Uses	Source
2014	UNITED STATES POSTAL SERVICE	EDR Digital Archive
2010	UNITED STATES POSTAL SERVICE	EDR Digital Archive

FINDINGS

FRAMPTON AVE

25690 FRAMPTON AVE

Year	Uses	Source
1995	UNITED STATES GOVERNMENT	Pacific Bell
1990	UNITED STATES GOVERNMENT	Pacific Bell
1980	NATIONAL ASSN OF LETTER CARRIERS BRANCH 1650	Pacific Telephone
1970	UNITED STATES GOVERNMENT ARMY DEPT	Pacific Telephone
	UNITED STATES GOVERNMENT ARMY DEPT	Pacific Telephone

Frampton Ave

25711 Frampton Ave

Year	Uses	Source
2014	AMERISTAR INTERNATIONAL LLC	EDR Digital Archive
	LA SIEBER CSI	EDR Digital Archive
2010	LA SIEBER CSI	EDR Digital Archive
	CORONA ARTHUR	EDR Digital Archive
	CORONA DEL SOL INC	EDR Digital Archive
	AMERISTAR INTERNATIONAL LLC	EDR Digital Archive

FRAMPTON AVE

25711 FRAMPTON AVE

Year	Uses	Source
2001	APARTMENTS BAYUES	Haines & Company, Inc.
	WILLIAMS Rodney	Haines & Company, Inc.
1995	102 WILKINSON C G	Pacific Bell
	106 CORDES B	Pacific Bell
	108 YAMAGUCHI O	Pacific Bell
	122 KARRATTI ELDON	Pacific Bell
	240 CORONA DEL SOL	Pacific Bell
	252 DE LUCA RAYMOND S	Pacific Bell
1990	CORONA DEL SOL	Pacific Bell
	106 KASARCIK JEFF D	Pacific Bell
	108 MORRIS DAVID	Pacific Bell
	109 ROSS REX R	Pacific Bell
	115 AYUMI NOMA	Pacific Bell

FINDINGS

Year	Uses	Source
1990	117 GUTIERREZ DANIEL J	Pacific Bell
	119 JONES KYLE	Pacific Bell
	120 ZARELE RASOUL	Pacific Bell
	125 CUEVAS RAUL	Pacific Bell
	228 TOKUTAKE YAYOL	Pacific Bell
	230 THOMAS CRYSTAL	Pacific Bell
	234 FULLER CHARLES & ANNA	Pacific Bell
	235 TURNIPSEED STACY	Pacific Bell
	236 LANE CHARLES A	Pacific Bell
	237 TURNER JESSIE	Pacific Bell
	250 MUNOZ JERRY M	Pacific Bell
	252 DE LUCA RAYMOND S	Pacific Bell
	256 GUERRERO GREGORIO & JULIE	Pacific Bell
	260 FORCIER L	Pacific Bell
1985	BOYD L	Pacific Bell
	BRILES STEVE	Pacific Bell
	CLARK ELLEN	Pacific Bell
	CORONA DEL SOL	Pacific Bell
	DRAVES R	Pacific Bell
	ECKARDT MIKE	Pacific Bell
	FINK KARL	Pacific Bell
	GAVELLO DEAN M	Pacific Bell
	HALE F	Pacific Bell
	HARTER JACK L REV	Pacific Bell
	INGENTHRON A T	Pacific Bell
	JOHN KEVIN C	Pacific Bell
	JONES KYLE	Pacific Bell
	LABRY FRANCIS	Pacific Bell
	LISOSKIE LYNNE D	Pacific Bell
	LOWRY E	Pacific Bell
	MANN MARIE F CORONA	Pacific Bell
	MORENO ALBERTO	Pacific Bell
	MUNSIRI TIYANUN	Pacific Bell
	PURVIS JESSE	Pacific Bell
	SHAZAD ARMAN	Pacific Bell
	STACK STEPHEN	Pacific Bell
	SVETINA MICHAEL J	Pacific Bell
	TURNER JOHNNY	Pacific Bell

FINDINGS

Year	Uses	Source
1985	WAGNER RANDY	Pacific Bell
	WATSON DON	Pacific Bell
1980	APODACA ROBT H	Pacific Telephone
	AVALOS MICHAEL	Pacific Telephone
	BALESTRA ALFRED L	Pacific Telephone
	BUNCALAN VEDASTO	Pacific Telephone
	COOPER RANDY	Pacific Telephone
	CORONA DEL SOL	Pacific Telephone
	CROSKREY W A	Pacific Telephone
	FARCI SERGUEI	Pacific Telephone
	GLASS K & K	Pacific Telephone
	JOHNS OWEN C	Pacific Telephone
	JONES KYLE	Pacific Telephone
	KENNEDY RON A	Pacific Telephone
	KOJIMA TOMOSIRO	Pacific Telephone
	LIPARI DAVID	Pacific Telephone
	MANN MARIE F CORONA	Pacific Telephone
	PILFOLD N	Pacific Telephone

25834 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Frampton Ave

25841 Frampton Ave

Year	Uses	Source
2014	A 1 SOUND AUTO REPAIR	EDR Digital Archive
2010	A 1 SOUND AUTO REPAIR	EDR Digital Archive
	MIRANDA MICHAEL	EDR Digital Archive

FRAMPTON AVE

25841 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	RMO BODY SHOP & MECHANIC	Pacific Bell
1990	D J LS AUTO REPAIR A TRANSMISSION	Pacific Bell
1985	LYNN S CUSTOM UPHOLSTERY	Pacific Bell
1975	ELECTRONICA CAL MEXICO INC	Pacific Telephone

FINDINGS

Frampton Ave

25843 Frampton Ave

Year	Uses	Source
2010	HAMMER	EDR Digital Archive

FRAMPTON AVE

25843 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	GLOBAL MACHINE	Pacific Bell
1980	CLASSIC AUTO DETAILERS	Pacific Telephone

25845 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	DAVID KAUFMANN CO	Pacific Bell
1990	S C ENGINEERING	Pacific Bell
1986	XIT GROUNDING SYSTEMS HARBOR CITY	Pacific Bell
1980	KEELING SERVICE CO	Pacific Telephone
1975	KEELING SERVICE CO	Pacific Telephone

25847 FRAMPTON AVE

Year	Uses	Source
1990	US WEST COAST INTERNATIONAL	Pacific Bell
1981	AMERICAN FIREFIGHTING SYSTEMS HARBOR CITY	Pacific Telephone
1980	AMERICAN FIREFIGHTING SYSTEMS	Pacific Telephone
1975	LEWIS & MC AULIFFE SALES CO	Pacific Telephone

25849 FRAMPTON AVE

Year	Uses	Source
1995	GASTON CABINETMAKER	Pacific Bell
1990	GASTON CABINETMAKER	Pacific Bell
1985	COLONIAL SAW	Pacific Bell
	STURM MAX	Pacific Bell

FINDINGS

Frampton Ave

25851 Frampton Ave

Year	Uses	Source
2014	ALL TIME WORK INC	EDR Digital Archive
2010	ALL TIME WORK INC	EDR Digital Archive

FRAMPTON AVE

25851 FRAMPTON AVE

Year	Uses	Source
2001	ALL INTERIOR	Haines & Company, Inc.
1995	ALL INTERIOR REFINISHING	Pacific Bell
1990	ALL INTERIOR REFINISHING	Pacific Bell
1985	JALMAR PRESS	Pacific Bell
	WINCH B L & ASSOCIATES EDUCATIONAL DIVISION	Pacific Bell
1980	AUTOMOBILE CONSULTANTS INTERNATL	Pacific Telephone
1970	NEAL S AUTO WRECKING	Pacific Telephone

Frampton Ave

25853 Frampton Ave

Year	Uses	Source
2014	MOORE OAK CUSTOM CABINETS	EDR Digital Archive
2010	MOORE OAK CUSTOM CABINETS	EDR Digital Archive

FRAMPTON AVE

25853 FRAMPTON AVE

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	MIKE & MAX BODY & PAINT	Pacific Bell
1980	CONTRACTORS SPA	Pacific Telephone

Frampton Ave

25855 Frampton Ave

Year	Uses	Source
2010	CALIFORNIA PRECISION ENGRG	EDR Digital Archive

FINDINGS

FRAMPTON AVE

25855 FRAMPTON AVE

Year	Uses	Source
1995	CALIFORNIA PRECISION PARTS	Pacific Bell
1990	CALIFORNIA PRECISION PARTS	Pacific Bell
1985	CALIFORNIA PRECISION PARTS	Pacific Bell
1980	CALIFORNIA PRECISION PARTS	Pacific Telephone

Frampton Ave

25927 Frampton Ave

Year	Uses	Source
2014	ENGINE COMPANY	EDR Digital Archive

FRAMPTON AVE

25927 FRAMPTON AVE

Year	Uses	Source
1985	FRAN=MART MFG	Pacific Bell

Frampton Ave

25929 Frampton Ave

Year	Uses	Source
2014	KHAN NAJMA	EDR Digital Archive

FRAMPTON AVE

25929 FRAMPTON AVE

Year	Uses	Source
2001	AERO PNEUORAULICS	Haines & Company, Inc.
1995	JEFFS CABINETS	Pacific Bell
	JEFFS DISCOUNT WINDOW & DOORS	Pacific Bell
	CLASSIC CABINETS	Pacific Bell
1980	F E P PLASTICS	Pacific Telephone

25930 FRAMPTON AVE

Year	Uses	Source
2001	BIGGS AUTO SALVAGE	Haines & Company, Inc.
1995	BIGGS AUTO SALVAGE	Pacific Bell

Year	Uses	Source
1995	BIGGS AUTO SALVAGE	Pacific Bell
1990	BIGGS AUTO SALVAGE	Pacific Bell
	BIGGS AUTO SALVAGE	Pacific Bell
1985	BIGGS AUTO SALVAGE	Pacific Bell
	BIGGS IMPORT AUTO WRECKING	Pacific Bell
	BIGGS AUTO SALVAGE	Pacific Bell
1975	BUD S AUTO SALVAGE	Pacific Telephone
1970	BUD S AUTO SALVAGE	Pacific Telephone

Frampton Ave

25931 Frampton Ave

Year	Uses	Source
2014	SOCAL MOTOR	EDR Digital Archive

FRAMPTON AVE

25931 FRAMPTON AVE

Year	Uses	Source
2001	FARM TEXTILESINC	Haines & Company, Inc.

Frampton Ave

25933 Frampton Ave

Year	Uses	Source
2010	THOMPSON GLASS SPECIALTY CO	EDR Digital Archive

FRAMPTON AVE

25933 FRAMPTON AVE

Year	Uses	Source
2001	THOMPSON GLASS	Haines & Company, Inc.
1990	ANACAPA TRADING CO	Pacific Bell
1985	ANACAPA TRADING CO	Pacific Bell
1980	ANACAPA TRADING CO	Pacific Telephone

25935 FRAMPTON AVE

Year	Uses	Source
2001	CA PACIFIC	Haines & Company, Inc.
1995	CALIFORNIA PACIFIC SANDALS	Pacific Bell
1990	HALLMARK PETROLEUM	Pacific Bell

Year	Uses	Source
1990	CALIFORNIA PACIFIC SANDALS	Pacific Bell
1986	HALLMARK PETROLEUM HARBOR CITY	Pacific Bell
1985	MAXIMAN LIFE SPAN INC	Pacific Bell
	MAXIMAN LIFE SPAN INC	Pacific Bell
	HALLMARK INDUSTRIES INC	Pacific Bell

25937 FRAMPTON AVE

Year	Uses	Source
2001	LTFURNITURE	Haines & Company, Inc.
1985	CALIFORNIA PACIFIC SANDALS	Pacific Bell

Frampton Ave

25939 Frampton Ave

Year	Uses	Source
2014	BIRKENSELD WERNER	EDR Digital Archive
2010	BIRKENSELD WERNER	EDR Digital Archive

FRAMPTON AVE

25939 FRAMPTON AVE

Year	Uses	Source
2001	STAR SERVICES	Haines & Company, Inc.
1985	HANEY NEIL	Pacific Bell
	GAMBLER COMPETITION	Pacific Bell
1980	COASTAL SUPPLY	Pacific Telephone

25941 FRAMPTON AVE

Year	Uses	Source
2001	PPI PACKAGING	Haines & Company, Inc.
1995	SEA LION INTERNATIONAL FORWARDERS	Pacific Bell
1990	SEA LION INTERNATIONAL FORWARDERS	Pacific Bell
1985	CROW BOB & ASSOCIATES CABINET CO	Pacific Bell
1981	CROW BOB & ASSOCIATES CABINET CO HARBOR CITY	Pacific Telephone
1980	CROW BOB & ASSOCIATES CABINET CO	Pacific Telephone

FINDINGS

26003 FRAMPTON AVE

Year	Uses	Source
2001	HINTON Readius	Haines & Company, Inc.

26007 FRAMPTON AVE

Year	Uses	Source
2001	ALUWIHAREKuda B	Haines & Company, Inc.

26009 FRAMPTON AVE

Year	Uses	Source
2001	SHINKyung Yun	Haines & Company, Inc.

PACIFIC COAST HWY

1204 PACIFIC COAST HWY

Year	Uses	Source
2001	PAYDAY EXPRESS 310 S	Haines & Company, Inc.
1995	FOTO EXPRESS LAB	Pacific Bell
1990	FOTO EXPRESS LAB	Pacific Bell
1985	FOTO EXPRESS LAB	Pacific Bell

1206 PACIFIC COAST HWY

Year	Uses	Source
2001	PHILIPOSPIZZALPSTA	Haines & Company, Inc.
1995	10 PHILIPOS PIZZA & PASTA	Pacific Bell
1990	10 GIUSEPPES PIZZA	Pacific Bell
1985	DAMIANOS PIZZA & DELI	Pacific Bell
1980	DAMIANOS PIZZA & DELI	Pacific Telephone
	BEST DONUTS THE	Pacific Telephone

1207 PACIFIC COAST HWY

Year	Uses	Source
1954	ERICKSON HERBERT L	R. L. Polk & Co.

1208 PACIFIC COAST HWY

Year	Uses	Source
2001	FOTOEXPRESSLAB	Haines & Company, Inc.
1985	FRANCES BOUTIQUE	Pacific Bell

1210 PACIFIC COAST HWY

Year	Uses	Source
2001	SSUPERIOR CLEANERS	Haines & Company, Inc.

Year	Uses	Source
1995	SUPERIOR CLEANERS	Pacific Bell
1990	SUPERIOR CLEANERS	Pacific Bell
1985	SUPERIOR CLEANERS	Pacific Bell
1964	HARBOR TRAILER SALES	Pacific Telephone
	HARBOR TRAILER SALES	Pacific Telephone
1954	HILL CREST MOTOR INN	R. L. Polk & Co.

Pacific Coast Hwy

1212 Pacific Coast Hwy

Year	Uses	Source
2014	AGREDANO REYNOSO INSUR SVCS	EDR Digital Archive
2010	AGREDANO REYNOSO INSUR SVCS	EDR Digital Archive

PACIFIC COAST HWY

1212 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	LINGERIE OASIS	Pacific Bell
1990	VIDEO T J	Pacific Bell
1985	CREATIVE TRAVEL	Pacific Bell

Pacific Coast Hwy

1214 Pacific Coast Hwy

Year	Uses	Source
2010	ASTER UNIFORMS	EDR Digital Archive

PACIFIC COAST HWY

1214 PACIFIC COAST HWY

Year	Uses	Source
2001	ROBERTOSSHADES	Haines & Company, Inc.
1990	SUNRISE HAIR & NAIL DESIGN	Pacific Bell
1985	ARTISTIC HAIR & NAIL CENTER	Pacific Bell
1980	J S MAJESTIC BEAUTY SUPPLY	Pacific Telephone

1216 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

Year	Uses	Source
1995	PACIFIC MEAT MARKET	Pacific Bell
1990	LA CASA LIQUOR & MKT	Pacific Bell
1985	LA CASA LIQUOR & MARKET	Pacific Bell

Pacific Coast Hwy

1220 Pacific Coast Hwy

Year	Uses	Source
2014	MONARCAS MEXICAN FOOD	EDR Digital Archive
2010	MONARCAS MEXICAN FOOD	EDR Digital Archive

PACIFIC COAST HWY

1220 PACIFIC COAST HWY

Year	Uses	Source
2001	MONARCASMEXICAN	Haines & Company, Inc.
1995	BAJA JOES	Pacific Bell
1985	MOVIE WORLD	Pacific Bell
1980	PCH HOME VIDEO CENTER	Pacific Telephone

Pacific Coast Hwy

1221 Pacific Coast Hwy

Year	Uses	Source
2014	BIO-MDCAL APPLICATIONS CAL INC	EDR Digital Archive
2010	BIO-MDCAL APPLICATIONS CAL INC	EDR Digital Archive

1222 Pacific Coast Hwy

Year	Uses	Source
2014	TIN YUAN CHINESE RESTAURANT	EDR Digital Archive
2010	TIN YUAN CHINESE RESTAURANT	EDR Digital Archive

PACIFIC COAST HWY

1222 PACIFIC COAST HWY

Year	Uses	Source
2001	TINYUANCHNSEREST	Haines & Company, Inc.
1995	TIN YUAN CHINESE RESTAURANT	Pacific Bell
1990	TIN YUAN CHINESE RESTAURANT	Pacific Bell
1985	FOOYUAN CHINESE CUISINE	Pacific Bell
1980	FOOKIEN CUISINE	Pacific Telephone

FINDINGS

Pacific Coast Hwy

1223 Pacific Coast Hwy

Year	Uses	Source
2014	FANN GROUP	EDR Digital Archive
2010	BEIJING ISLAMIC CHINA REST	EDR Digital Archive
	NIAZ RIAZ ULHAQ	EDR Digital Archive
	SONNY HARRIS DBA BEIJINGCHINE	EDR Digital Archive
	LANGHA JAWED AKHTER	EDR Digital Archive
	BIC RESTAURANT	EDR Digital Archive

1224 Pacific Coast Hwy

Year	Uses	Source
2014	JAX DONUTS	EDR Digital Archive
2010	JAX DONUTS	EDR Digital Archive

PACIFIC COAST HWY

1224 PACIFIC COAST HWY

Year	Uses	Source
2001	JAXDONUTSTHE	Haines & Company, Inc.
1995	JAX DONUTS THE	Pacific Bell
1990	JAX DONUTS THE	Pacific Bell
1985	BEST DONUTS	Pacific Bell

Pacific Coast Hwy

1229 Pacific Coast Hwy

Year	Uses	Source
2014	DEL TACO LLC	EDR Digital Archive
2010	DEL TACO LLC	EDR Digital Archive

PACIFIC COAST HWY

1229 PACIFIC COAST HWY

Year	Uses	Source
2001	DELTACO	Haines & Company, Inc.

1231 PACIFIC COAST HWY

Year	Uses	Source
1960	HARBOR TRAILER SALES	Pacific Telephone

FINDINGS

1241 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1995	FRANK COLETTO FORD INC	Pacific Bell
1990	FRANK COLETTO FORD INC	Pacific Bell
	COLETTO NISSAN BODY SHOP	Pacific Bell
	FRANK COLETTO FORD INC	Pacific Bell
	FRANK COLETTO FORD INC HARBOR CITY	Pacific Bell
	FORD AUTHORIZED SALES & SERVICE HARBOR CITY FRANK COLETTO FORD INC HARBO	Pacific Bell
	COLETTO FORD INC HARBOR CITY	Pacific Bell
1986	COLETTO FORD INC HARBOR CITY	Pacific Bell
	FORD AUTHORIZED SALES & SERVICE	Pacific Bell
	FRANK COLETTO FORD INC HARBOR CITY	Pacific Bell
1985	COLETTO FORD INC	Pacific Bell
	FRANK COLETTA FORD INC	Pacific Bell
	FRANK COLETTO LEASING INC	Pacific Bell
1981	FRANK COLETTE FORD INC HARBOR CITY	Pacific Telephone
1980	COLESCOTT INC	Pacific Telephone
	FRANK COLETTO FORD INC	Pacific Telephone
	FRANK COLETTO LEASING INC	Pacific Telephone
	COLETTO FORD INC	Pacific Telephone
1975	KENDON FIAT	Pacific Telephone
	KENDON SAAB	Pacific Telephone
	KENDON VOLKSWAGEN	Pacific Telephone
1970	KENDON VOLKSWAGEN	Pacific Telephone
1964	KENDON MOTORS	Pacific Telephone
	KENDON MOTORS	Pacific Telephone

Pacific Coast Hwy

1242 Pacific Coast Hwy

Year	Uses	Source
2014	H1 AUTO SMOG	EDR Digital Archive
	H 1 AUTO CENTER TRANSMISS	EDR Digital Archive
	LUBE N GO MAINTENANACE EXPERTS	EDR Digital Archive
2010	H 1 AUTO CENTER TRANSMISS	EDR Digital Archive
	LUBE N GO MAINTENANACE EXPERTS	EDR Digital Archive

Year	Uses	Source
2010	JUNE IL	EDR Digital Archive
	JOHNS TRANSMISSIONS	EDR Digital Archive

PACIFIC COAST HWY

1242 PACIFIC COAST HWY

Year	Uses	Source
2001	HON 6 Kerry	Haines & Company, Inc.
1990	MR CS RENT-A-CAR	Pacific Bell
1985	RYDER TRUCK RENTAL ONE WAY INC RENTAL OFC	Pacific Bell
	MR C S RENT-A-CAR	Pacific Bell
	MR C S LIMOUSINE SERVICE	Pacific Bell
	COLETTO FORD INC	Pacific Bell

1243 PACIFIC COAST HWY

Year	Uses	Source
1981	COLETTO FORD INC HARBOR CITY	Pacific Telephone

1250 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1270 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	ISTRE GENE	Pacific Bell
1980	BARR RUEL G	Pacific Telephone
	OGLE EMILY J	Pacific Telephone
1975	BARR RUEL G	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
1970	BABIN LAWRENCE C MRS	Pacific Telephone
	BARR RUEL G	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE LULA S	Pacific Telephone
	CURNUTT J C	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLITEY W L	Pacific Telephone
1964	BABIN LAWRENCE C MRS	Pacific Telephone

FINDINGS

Year	Uses	Source
1964	BAXTER STELLA E	Pacific Telephone
	BROWN AGNES MRS	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	COTE R W	Pacific Telephone
	FISCHER MARY	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	MULLER LEO	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLILEY W L	Pacific Telephone
	SHANNON BERTHA	Pacific Telephone
1960	BAXTER W D	Pacific Telephone
	BROWN AGNES MRS	Pacific Telephone
	BROWN NELLIE MRS	Pacific Telephone
	CAMERON HERBERT M	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	CONNER RICHARD	Pacific Telephone
	COTE R W	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	JELSMA CARL R PHYSOTHI PST	Pacific Telephone
	MCNEER FRANCES E	Pacific Telephone
	MULLER LEO	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	PLILEY W L	Pacific Telephone
	RALPH EVERETT E	Pacific Telephone
	ROY AUGUSTIN J	Pacific Telephone
	SHANNON BERTHA	Pacific Telephone
	SOMERS FLORENCE P	Pacific Telephone
	TROTTER JEFF	Pacific Telephone
	VAN RHIJN ADRIAN	Pacific Telephone
1957	A-1 TRAILER PARK	Pacific Telephone
	BAXTER W D	Pacific Telephone
	BOWLIN CHHS C	Pacific Telephone
	CLINE FREDERICK	Pacific Telephone
	CONNER RICHARD	Pacific Telephone
	COOPER TERRAL J	Pacific Telephone
	GRAFT ERNEST W	Pacific Telephone
	JELSMA CARL R PHYSOTHRPST OFC	Pacific Telephone

FINDINGS

Year	Uses	Source
1957	KAYTON LYLE	Pacific Telephone
	OGLE JOHN D	Pacific Telephone
	ILM Y W L A	Pacific Telephone
	RALPH EVERETT E	Pacific Telephone
	SMITH HUGH A	Pacific Telephone
	SNYDER JOHN	Pacific Telephone
	THISTLE THOS D	Pacific Telephone
	WIDNER ALBERT SR	Pacific Telephone
1954	BARON PAUL A	R. L. Polk & Co.
	CHURCHILL RUTH	R. L. Polk & Co.
	GRAFT ERNEST W	R. L. Polk & Co.
	OFC	R. L. Polk & Co.
	LILES EDW	R. L. Polk & Co.
	NORRIS CHESTER	R. L. Polk & Co.
	OGIEJ D	R. L. Polk & Co.
	PLILEY W L	R. L. Polk & Co.
	SHIPP L M	R. L. Polk & Co.
	SMITH HUGH A	R. L. Polk & Co.
1950	BARNES C A R	Pacific Telephone
	F ECHR MGA AT E R	Pacific Telephone
	GRAFT ERNEST WR	Pacific Telephone

1290 PACIFIC COAST HWY

Year	Uses	Source
2001	SUNNY SHEEPSKINS	Haines & Company, Inc.
1995	SUNNY SHEEPSKINS	Pacific Bell
1990	SUNNY SHEEPSKINS	Pacific Bell
1985	LEES PRODUCE AND MARKET	Pacific Bell
1980	GOVINDA FINE PRODUCE	Pacific Telephone
1975	CYCLE PARTS & ACCESSORIES	Pacific Telephone
1970	DISCOUNT AUTO PARTS	Pacific Telephone
1964	COLONEL S KENTUCKY FRIED CHICKEN	Pacific Telephone
	KENTUCKY FRIED CHICKEN THE COLONEL S	Pacific Telephone
1954	GREYHOUND BUS LINES BUS DEPOTS	R. L. Polk & Co.
1950	YANKEE DOODLE COLTEE SHOP -	Pacific Telephone

FINDINGS

1300 PACIFIC COAST HWY

Year	Uses	Source
2001	CHUNSoon	Haines & Company, Inc.
1970	LOCAL UNION 1140 CARPENTERS HALL LOCAL	Pacific Telephone
1964	BURKETT EDW G	Pacific Telephone

1302 PACIFIC COAST HWY

Year	Uses	Source
1964	LOCAL UNION 1140 CARPENTERS HALL	Pacific Telephone
	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone
1957	SOUDER PLUMBING & HEATING	Pacific Telephone

1303 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1985	PALACE AUTO SALES	Pacific Bell
	PALACE AUTO SALES	Pacific Bell
1975	FISHER S	Pacific Telephone
1970	DESERT INN THE	Pacific Telephone
1957	SHAW ROY A RL EST	Pacific Telephone
1954	COX PLUMBING & SUPPLY	R. L. Polk & Co.
1950	COX PLUMBNG & SUPPLY	Pacific Telephone
	COX & WOOD PLUMBNG CONTRS	Pacific Telephone

1305 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1964	SHAW HELEN BKPR	Pacific Telephone
1960	SHAW HELEN BKKPR	Pacific Telephone
1957	SHAW HOLEN BKKPR	Pacific Telephone
1950	MOORE GEO E GENI CONTR	Pacific Telephone

1306 PACIFIC COAST HWY

Year	Uses	Source
1957	HANDY SEWR WHOLESALE PLUMBING SUPPLIES	Pacific Telephone
1954	A & F SUPPLY	R. L. Polk & Co.

FINDINGS

1307 PACIFIC COAST HWY

Year	Uses	Source
1975	ABBATIELLO TOM G	Pacific Telephone
1970	DISCOUNT GLASS CO	Pacific Telephone
1960	SOUTH BAY PLUMBING & ENGINEERING INC	Pacific Telephone
	SOUDER PLUMBING & HEATING	Pacific Telephone
1957	HARBOR CITY BOATS	Pacific Telephone
1954	SPEEDLUBE SALES CO	R. L. Polk & Co.
	GREASE TUBE SALES CO	R. L. Polk & Co.

1309 PACIFIC COAST HWY

Year	Uses	Source
1970	SUDS BROS ENTERPRISES RACE CAR PREPRTN	Pacific Telephone
1960	ALPER PLASTIC & MFC CO	Pacific Telephone

1311 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	MOLDED FOAM PRODUCTS	Pacific Telephone
1970	ABBATIELLO TOM G	Pacific Telephone
1964	ABBATIELLO TOM G	Pacific Telephone

1313 PACIFIC COAST HWY

Year	Uses	Source
1990	INDEPENDENT DATSUN & TOYOTA REPAIR	Pacific Bell
1985	INDEPENDENT DATSUN & TOYOTA REPAIR	Pacific Bell
1980	KENDON MOTORS JEEP PARTS	Pacific Telephone
	KENDON AMC-JEEP	Pacific Telephone
	KENDON FIST	Pacific Telephone
	KENDON RENAULT	Pacific Telephone
1970	E K ELECTRIC CO WHSE	Pacific Telephone
1964	CUSTOM CABINETS	Pacific Telephone

Pacific Coast Hwy

1315 Pacific Coast Hwy

Year	Uses	Source
2014	PEP BOYS MANNY MOE JACK OF CAL	EDR Digital Archive

Year	Uses	Source
2010	PEP BOYS MANNY MOE JACK OF CAL	EDR Digital Archive

PACIFIC COAST HWY

1315 PACIFIC COAST HWY

Year	Uses	Source
2001	PEPBOYS	Haines & Company, Inc.
1985	CT TRANSMISSION PARTS	Pacific Bell
1970	M & D X-RAY SERVICE CO	Pacific Telephone

1317 PACIFIC COAST HWY

Year	Uses	Source
1970	B & D ENTERPRISES	Pacific Telephone

1321 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	GERON FURNITURE CO	Pacific Telephone
	GERON FURNITURE	Pacific Telephone
1970	GERON FURNITURE CO	Pacific Telephone

1323 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1975	PFAFF & SOWIN S ENGINE SPECIALISTS	Pacific Telephone
1970	PFAFF & SOWIN S ENGINE SPECIALISTS	Pacific Telephone

1325 PACIFIC COAST HWY

Year	Uses	Source
1980	DELTA AUTOMOTIVE CENTER	Pacific Telephone
1975	DELTA AUTOMOTIVE CENTER	Pacific Telephone
1970	DELTA AUTOMOTIVE CENTER	Pacific Telephone

1327 PACIFIC COAST HWY

Year	Uses	Source
1991	ARESCUEROOTER	Pacific Bell
1985	RESCUE ROOTER	Pacific Bell
	A AABCO DIV OF RESCUE ROOTER	Pacific Bell
	RESCUE ROOTER	Pacific Bell

Year	Uses	Source
1985	RESCUE ROOTER	Pacific Bell
1975	A-1 COAST VACATION LAND	Pacific Telephone
1970	U-HAUL CO DLR	Pacific Telephone
	COAST RENTALS	Pacific Telephone
	COAST EQUIP RENTALS	Pacific Telephone
	A-1 COAST-LOMITA RENTALS	Pacific Telephone
1964	U-HAUL CO DEALER	Pacific Telephone
	COAST EQUIPMENT RENTALS	Pacific Telephone

Pacific Coast Hwy

1330 Pacific Coast Hwy

Year	Uses	Source
2010	ROKSTAR INTERNATIONAL CO INC	EDR Digital Archive

PACIFIC COAST HWY

1330 PACIFIC COAST HWY

Year	Uses	Source
2001	CRAZYCARSTEREO	Haines & Company, Inc.
1995	CRAZY CAR STEREO	Pacific Bell
1990	CRAZY CAR STEREO	Pacific Bell
1985	LOCAL UNION 1140 CARPENTERS HALL	Pacific Bell
	CARPENTERS HALL LOCAL UNION 1140	Pacific Bell
1980	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone
1975	LOCAL UNION 1140 CARPENTERS HALL	Pacific Telephone
	CARPENTERS HALL LOCAL UNION 1140	Pacific Telephone

Pacific Coast Hwy

1333 Pacific Coast Hwy

Year	Uses	Source
2010	POPULAR CASH EXPRESS INC	EDR Digital Archive

FINDINGS

PACIFIC COAST HWY

1333 PACIFIC COAST HWY

Year	Uses	Source
2001	POPULARCASH	Haines & Company, Inc.
1995	KENTUCKY FRIED CHICKEN	Pacific Bell
1990	KENTUCKY FRIED CHICKEN	Pacific Bell
1985	KENTUCKY FRIED CHICKEN	Pacific Bell
1980	KENTUCKY FRIED CHICKEN	Pacific Telephone
1975	COLONEL SANDER S KENTUCKY FRIED CHICKEN	Pacific Telephone
1970	COLONEL SANDERS KENTUCKY FRIED CHICKEN	Pacific Telephone

Pacific Coast Hwy

1345 Pacific Coast Hwy

Year	Uses	Source
2014	ROSE MOTEL	EDR Digital Archive
	LAKSH LLC	EDR Digital Archive
2010	ROSE MOTEL	EDR Digital Archive

PACIFIC COAST HWY

1345 PACIFIC COAST HWY

Year	Uses	Source
2001	BHAKTASandeep B	Haines & Company, Inc.
1995	ROSE MOTEL	Pacific Bell
1990	ROSE MOTEL	Pacific Bell
1985	ROSE MOTEL	Pacific Bell

1350 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1990	HARBOR CITY DISCOUNT AUTO CENTER INC	Pacific Bell

Pacific Coast Hwy

1358 Pacific Coast Hwy

Year	Uses	Source
2014	PACIFIC MOTORSPORTS	EDR Digital Archive

Year	Uses	Source
2010	PACIFIC MOTORSPORTS	EDR Digital Archive
	AQUA SPORTS PERFORMANCE PDTS	EDR Digital Archive

PACIFIC COAST HWY

1358 PACIFIC COAST HWY

Year	Uses	Source
2001	PACYAMAHA	Haines & Company, Inc.
1995	FALCON TOWING	Pacific Bell
1990	TILLACK & CO	Pacific Bell
1986	QUALITY PLUS AUTO BODY SALES & SERVICE HARBOR CITY	Pacific Bell
1985	T Q HOBBIES	Pacific Bell
	QUALITY PLUS AUTO BODY SALES & SERVICE	Pacific Bell
1980	KENDON VOLKSWAGEN	Pacific Telephone
	KENDON MOTORS	Pacific Telephone
1975	KENDON MOTOR HOMES	Pacific Telephone
	KENDON ALFA ROMEO	Pacific Telephone
1970	BEECH DAVE GLASS INC	Pacific Telephone

1360 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
1970	PLAZA DONUT & COFFEE SHOP	Pacific Telephone
1964	BEECH GLASS CO INC	Pacific Telephone

1401 PACIFIC COAST HWY

Year	Uses	Source
2001	CRT INSURANCE SRV	Haines & Company, Inc.
1995	C R T INSURANCE SERVICES	Pacific Bell
1990	C R T INSURANCE SERVICES	Pacific Bell
1985	DAVENPORT CONSTRUCTION CO	Pacific Bell
	AMERICAN RV SATELLITE SYSTEMS	Pacific Bell
1980	DAVENPORT CONSTRUCTION CO	Pacific Telephone
1975	DAVENPORT CONSTRUCTION CO	Pacific Telephone
1970	DAVENPORT CONSTRUCTION CORP	Pacific Telephone
1964	DAVENPORT CONSTRUCTION CORP	Pacific Telephone

FINDINGS

1403 PACIFIC COAST HWY

Year	Uses	Source
2001	TETERYCZCI	Haines & Company, Inc.
1995	TETERYCZ CLAUDID	Pacific Bell
1990	A AMERICAN BUSINESS ADVERTISING	Pacific Bell
1985	BRAZILIAN HANDCRAFTS	Pacific Bell
	BRAZILIAN SOCCER	Pacific Bell
	DEANDRADE ROBERTO	Pacific Bell
1970	FEDEZIGN ENGINEERING SERVICE	Pacific Telephone

1404 PACIFIC COAST HWY

Year	Uses	Source
2001	OLIOUChin	Haines & Company, Inc.
1995	PACIFIC MOTEL	Pacific Bell
1990	PACIFIC MOTEL	Pacific Bell
1985	PACIFIC MOTEL	Pacific Bell

1414 PACIFIC COAST HWY

Year	Uses	Source
2001	A 1 MOTORS	Haines & Company, Inc.
1995	AUTO SHACK	Pacific Bell
	DIRO ALFA ROMEO	Pacific Bell
	EURO TRANS AXLE	Pacific Bell
1990	DIRO ALFA ROMEO	Pacific Bell
1985	DIRO ALFA ROMEO SALES & SERVICE	Pacific Bell
	DIRO PORSCHE SERVICE	Pacific Bell
1980	DIRA ALFA ROMEO SALES & SERVICE	Pacific Telephone

1417 PACIFIC COAST HWY

Year	Uses	Source
2001	ALLEN	Haines & Company, Inc.
1995	HARBOR LIQUOR	Pacific Bell
1990	HARBOR LIQUOR	Pacific Bell
	C BERSON IRA ORIGINALS	Pacific Bell
1985	CALIFORNIA PRODUCTIONS	Pacific Bell
	HARBOR LIQUOR	Pacific Bell
	BERSON IRA ORIGINALS	Pacific Bell
1980	INTERNATL UNION OF OPERATING ENGINEERS WELDERS DIV LOCAL NO 42	Pacific Telephone
	BERSON IRA ORIGINALS	Pacific Telephone

Year	Uses	Source
1980	HARBOR BOTTLE SHOP	Pacific Telephone
1975	HARBOR BOTTLE SHOP	Pacific Telephone
1964	SANCHEZ PETE P	Pacific Telephone
1957	SANCHEZ BEN A	Pacific Telephone
1950	SWAFFAR MAYNARD R	Pacific Telephone

1418 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.

1424 PACIFIC COAST HWY

Year	Uses	Source
2001	MANHATTANGLASS	Haines & Company, Inc.
1985	TONY S HIDEAWAY	Pacific Bell
1980	EL-LO BEER BAR	Pacific Telephone
1975	EL LO BEER BAR	Pacific Telephone
1964	RACK THE	Pacific Telephone
1960	COOL METAL AWNING & CANVAS CO	Pacific Telephone
	KOOL METAL AWNING & CANVAS CO	Pacific Telephone
1954	JESSE WILLIAMS WALLPAPERS	R. L. Polk & Co.
	WILLIAMS JESSE WALLPAPERS	R. L. Polk & Co.
	WILLIAMS WALLPAPERS	R. L. Polk & Co.

1426 PACIFIC COAST HWY

Year	Uses	Source
2001	BIG DADDYSTATTOO	Haines & Company, Inc.
1990	CAR STEREO CLINIC	Pacific Bell
1985	BERT CONSTRUCTION INC	Pacific Bell
1980	BERT CONSTRUCTION INC	Pacific Telephone
1970	ROLLING HILLS VISTA TOWNHOUSE CO	Pacific Telephone
1964	ASSOCIATED VENDING SALES & INVESTLMEONT	Pacific Telephone

1427 PACIFIC COAST HWY

Year	Uses	Source
2001	CREDIT MOTORS	Haines & Company, Inc.
1995	CREDIT MOTORS	Pacific Bell
	CREDIT MOTORS	Pacific Bell
1990	CREDIT MOTORS	Pacific Bell

FINDINGS

1428 PACIFIC COAST HWY

Year	Uses	Source
2001	ANTIGUE STOVE	Haines & Company, Inc.
1975	LONG BEACH INDEPENDENT-PRESS TELEGRAM DISTRICT OFFICES	Pacific Telephone
1954	CONSHAFTER JOHN N STATE FARM INSURANCE COMPANIES	R. L. Polk & Co.

1430 PACIFIC COAST HWY

Year	Uses	Source
1985	BLACKMAN JEAN	Pacific Bell
1980	BLACKMAN JEAN	Pacific Telephone
1975	BLACKMAN JEAN	Pacific Telephone
1970	BLACKMAN JEAN	Pacific Telephone
1964	BLACKMAN JEAN	Pacific Telephone
1960	BLACKMAN JEAN	Pacific Telephone
1957	BLACKMAN JEAN	Pacific Telephone
1954	BLACKMAN JEAN	R. L. Polk & Co.

1432 PACIFIC COAST HWY

Year	Uses	Source
2001	XXXX	Haines & Company, Inc.
	XXXX	Haines & Company, Inc.
1985	HARRYMAN J K	Pacific Bell
1975	GUADAN MARLENE	Pacific Telephone
1970	INGRAM ROBERTA	Pacific Telephone
1957	BONNOT ARTHUR	Pacific Telephone

1433 PACIFIC COAST HWY

Year	Uses	Source
2001	MERCEDESBENZKEYS	Haines & Company, Inc.
1995	SILVER STAR MERCEDES INC	Pacific Bell
1990	SILVER STAR	Pacific Bell
1985	SILVER STAR	Pacific Bell

1280B-6 PACIFIC COAST HWY

Year	Uses	Source
1980	FOAT HARRY G	Pacific Telephone

FINDINGS

Pebble Dr

1254 Pebble Dr

Year	Uses	Source
2014	JOHNS AUTO SUPPLY	EDR Digital Archive
2010	JOHNS AUTO SUPPLY	EDR Digital Archive
	LEGACY ENTERPRISE	EDR Digital Archive

1270 Pebble Dr

Year	Uses	Source
2010	NKH & 2K	EDR Digital Archive
	IN & OUTDOOR INC	EDR Digital Archive

1281 Pebble Dr

Year	Uses	Source
2010	STUDIO 8 DEVELOPMENT CO	EDR Digital Archive

1285 Pebble Dr

Year	Uses	Source
2010	STYLE STOOP	EDR Digital Archive

S NORMANDIE AVE

25856 S NORMANDIE AVE

Year	Uses	Source
1950	PACOIMA COAST MILL & LUMBR CO	Pacific Telephone

25901 S NORMANDIE AVE

Year	Uses	Source
1957	MAYBOW BRICK CO	Pacific Telephone
	MAYBOW BRICK CO	Pacific Telephone
1954	LYNN BRICK CO	R. L. Polk & Co.
	MAYBOW MATERIALS & SUPPLIES INC	R. L. Polk & Co.
1950	LYNN BRICK CO	Pacific Telephone

Sandstone Ln

25919 Sandstone Ln

Year	Uses	Source
2010	SEJONG AMERICA INC	EDR Digital Archive

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
1280 Pacific Coast Highway	2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1204 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1206 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1207 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1208 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1210 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1212 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1214 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1214 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1216 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1220 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1220 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1221 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1222 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1222 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1223 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1224 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1224 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1229 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1229 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1231 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1241 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1242 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1243 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1250 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1254 Pebble Dr	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1270 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1270 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1280B-6 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1281 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1285 Pebble Dr	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1290 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1300 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1302 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1303 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1305 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1306 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1307 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1309 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1311 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1313 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1315 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1317 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1321 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1323 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1325 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1327 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1330 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1330 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1333 259TH PL	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1333 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1333 Pacific Coast Hwy	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1345 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1345 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1350 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1358 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1358 Pacific Coast Hwy	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1360 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1401 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1403 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
1404 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1408 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1410 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1412 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1414 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1414 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1416 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1417 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1418 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1422 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
1424 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1424 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1426 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1427 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1428 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1428 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1429 259TH	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1430 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1432 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
1433 PACIFIC COAST HWY	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
25680 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25690 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25690 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25711 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25711 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25731 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25733 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25737 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25824 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25834 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25840 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
25840 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25841 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25843 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25843 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25845 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1985, 1981, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25847 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1976, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25849 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25851 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25851 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
25853 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25853 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25855 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25855 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25856 S NORMANDIE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25889 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1981, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25889 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 Belle Porte Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1990, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25901 S NORMANDIE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1956, 1955, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25903 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
25905 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25907 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25909 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25911 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25911 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25913 Belle Porte Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25919 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25919 Sandstone Ln	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25920 Belle Porte Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25920 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25927 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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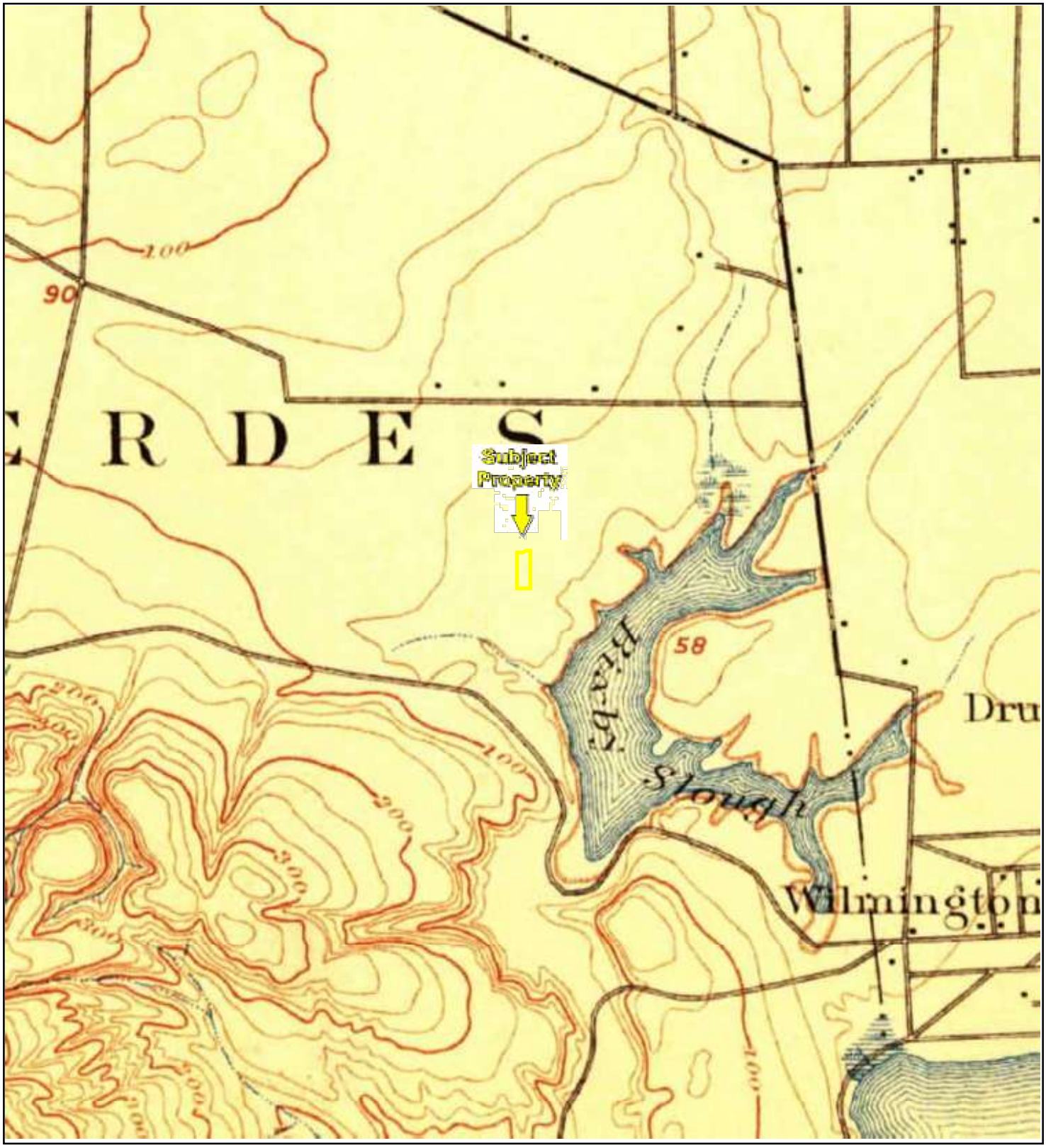
Address Researched	Address Not Identified in Research Source
25927 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25929 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25929 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1990, 1986, 1985, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25930 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1980, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25931 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25931 Frampton Ave	2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25933 Frampton Ave	2014, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25933 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25934 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
25935 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25937 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25939 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1981, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25939 Frampton Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25940 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25941 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25949 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1992, 1991, 1986, 1981, 1976, 1972, 1971, 1969, 1967, 1966, 1965, 1963, 1962, 1961, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25950 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1992, 1991, 1986, 1985, 1981, 1980, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25950 Belle Porte Ave	2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
25952 BELLE PORTE AVE	2014, 2010, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1958, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
26003 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
26007 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
26009 FRAMPTON AVE	2014, 2010, 2006, 2004, 2003, 2000, 1999, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

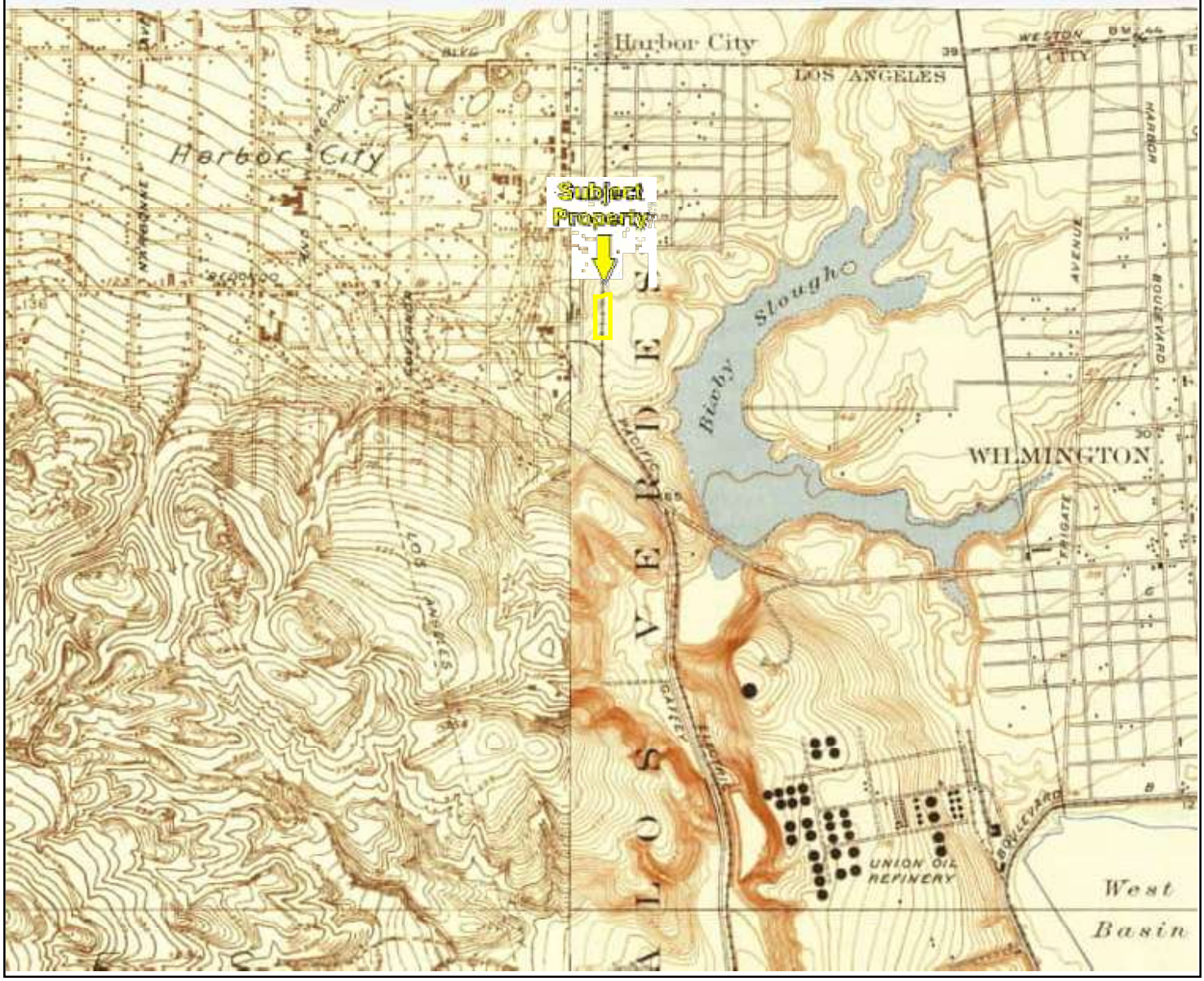


TP, Redondo, 1896, 15-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property



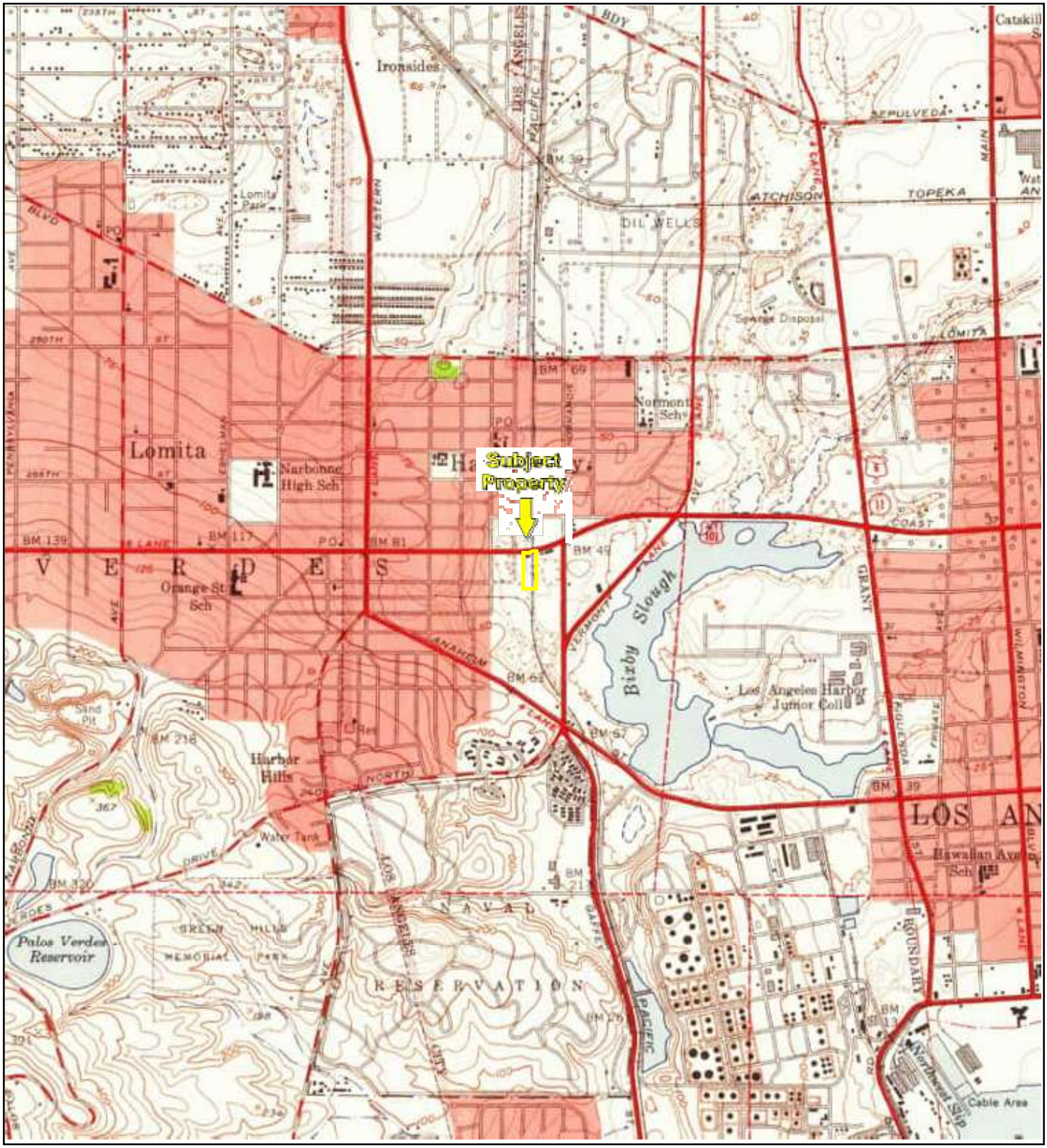
TP, Wilmington, 1925, 7.5-minute
SW, San Pedro Hills, 1925, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

Topographic Map Year: 1951



TP, Torrance, 1951, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

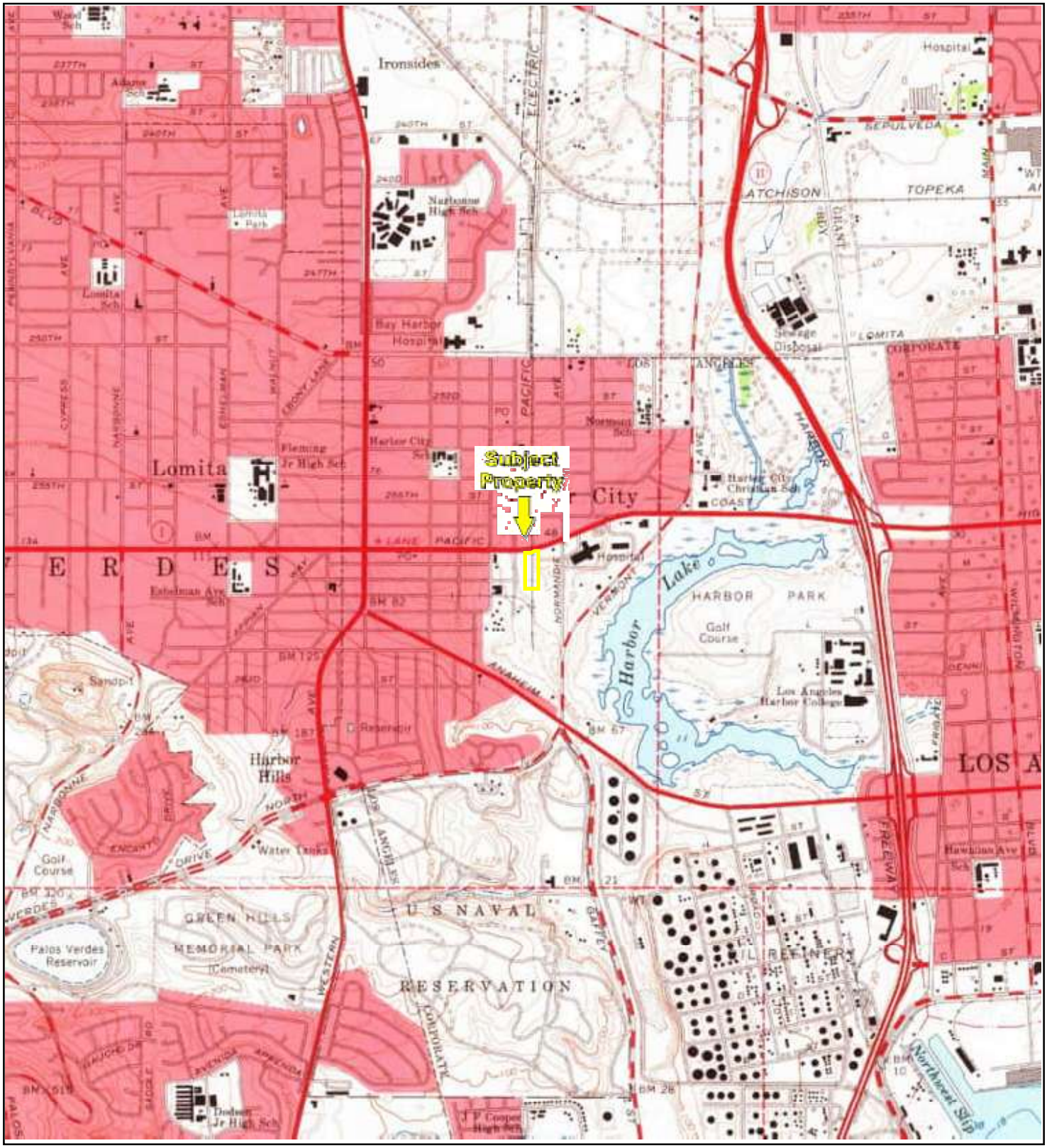
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-226425.1

PARTNER

Topographic Map Year: 1964



TP, Torrance, 1964, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

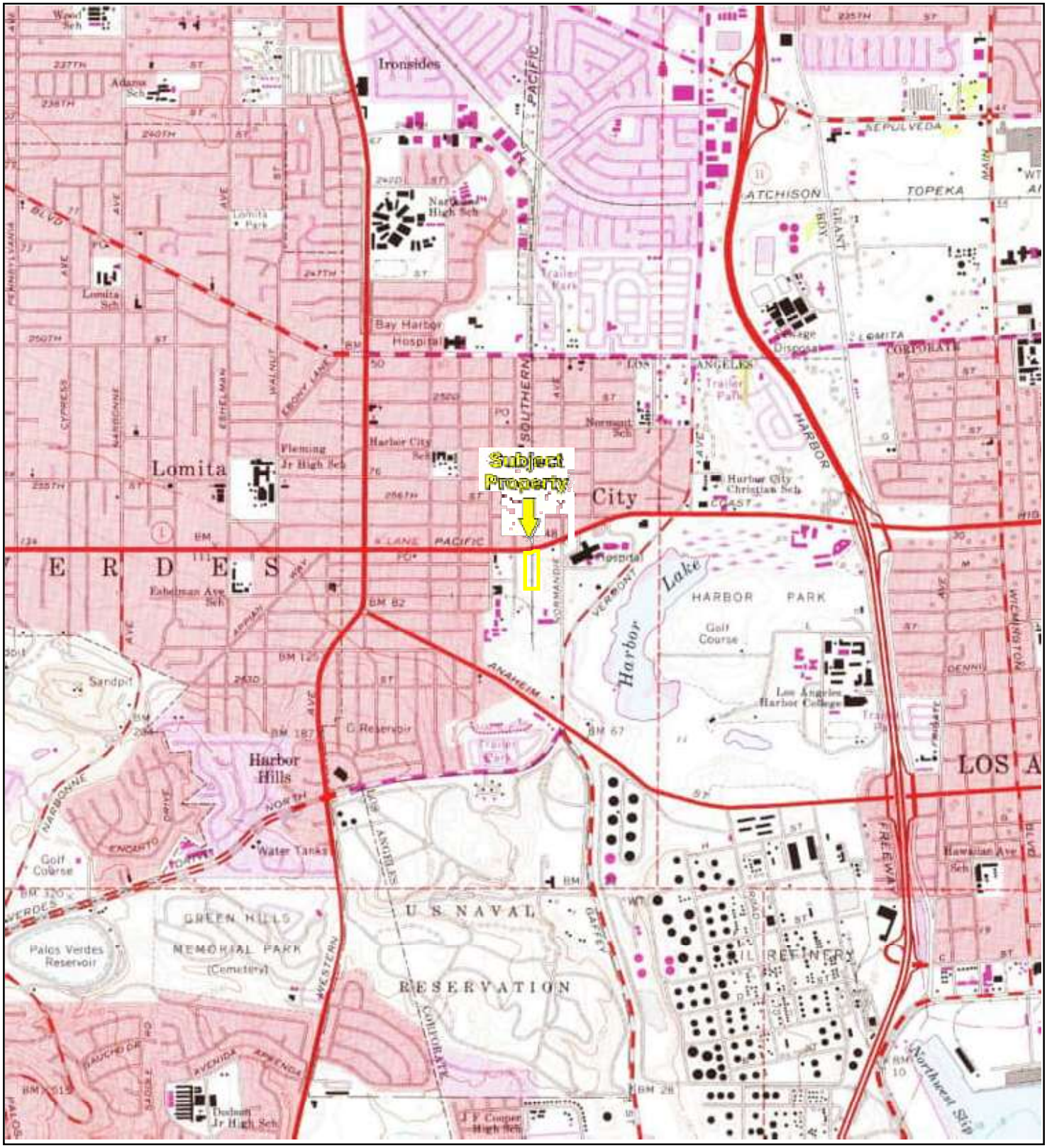
Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-226425.1

PARTNER

Topographic Map Year: 1972



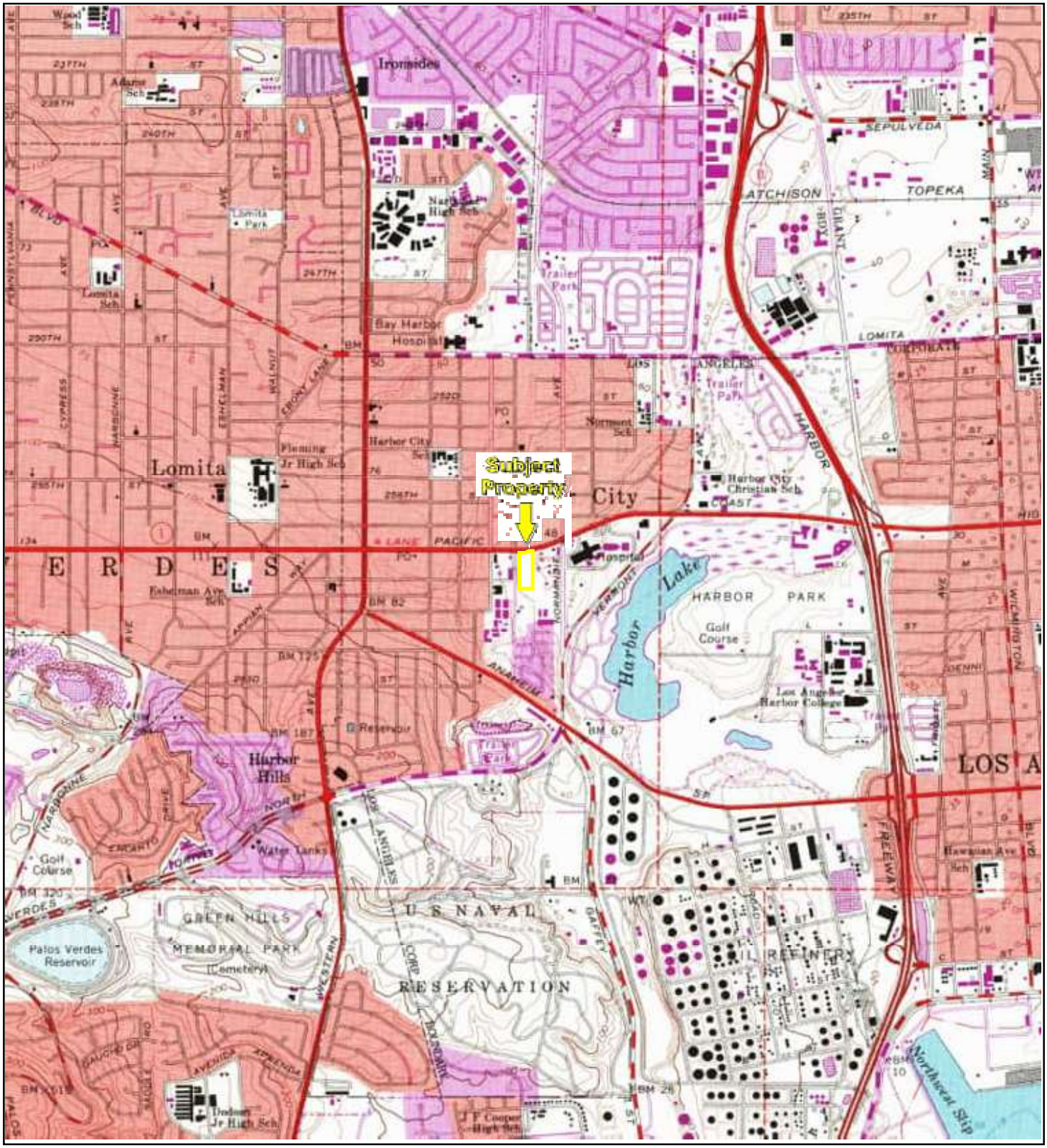
TP, Torrance, 1972, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

Topographic Map Year: 1981



TP, Torrance, 1981, 7.5-minute

0 Miles 0.25 0.5 1 1.5

N

Key: Subject Property

APPENDIX B: Topographic Maps

Project No. 18-226425.1

PARTNER

National Flood Hazard Layer FIRMette

FEMA



Feet

0 250 500 1,000 1,500 2,000

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/8/2019 at 7:06:33 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

City of Los Angeles
Department of City Planning

1/5/2019
PARCEL PROFILE REPORT

PROPERTY ADDRESSES

1268 W PACIFIC COAST HWY

ZIP CODES

90710

RECENT ACTIVITY

None

CASE NUMBERS

CPC-2018-6402-CPU
CPC-2005-8252-CA
CPC-1997-50-CPU
CPC-1986-833-GPC
ORD-172853-SA22B
ORD-172853-SA22A
ORD-167215
ENV-2017-2502-CE
ENV-2005-8253-ND

Address/Legal Information	
PIN Number	033B197 18
Lot/Parcel Area (Calculated)	35,722.1 (sq ft)
Thomas Brothers Grid	PAGE 794 - GRID A5
Assessor Parcel No. (APN)	7411019020
Tract	PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO
Map Reference	D C C 2373 RF 141 MAP 4547
Block	10
Lot	PT
Arb (Lot Cut Reference)	67
Map Sheet	033B197
Jurisdictional Information	
Community Plan Area	Wilmington - Harbor City
Area Planning Commission	Harbor
Neighborhood Council	Harbor City
Council District	CD 15 - Joe Buscaino
Census Tract #	2944.21
LADBS District Office	San Pedro
Planning and Zoning Information	
Special Notes	None
Zoning	[Q]C2-1VL
	[Q]CM-1VL
Zoning Information (ZI)	ZI-2130 HARBOR GATEWAY STATE ENTERPRISE ZONE
General Plan Land Use	Community Commercial
	Limited Manufacturing
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	None
Subarea	None
Special Land Use / Zoning	None
Design Review Board	No
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None
Affordable Housing Linkage Fee	

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(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Residential Market Area	Low
Non-Residential Market Area	Low
Transit Oriented Communities (TOC)	Not Eligible
CRA - Community Redevelopment Agency	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	No
500 Ft Park Zone	No
Assessor Information	
Assessor Parcel No. (APN)	7411019020
APN Area (Co. Public Works)*	0.820 (ac)
Use Code	3800 - Industrial - Parking Lot (Industrial Use Property) - One Story
Assessed Land Val.	$511,007
Assessed Improvement Val.	$7,287
Last Owner Change	06/02/1997
Last Sale Amount	$9
Tax Rate Area	19
Deed Ref No. (City Clerk)	810615
	726458
	131046
Building 1	
Year Built	1977
Building Class	DX
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	35,000.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	None
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Oil Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	1.01885496
Nearest Fault (Name)	Palos Verdes Fault Zone
Region	Transverse Ranges and Los Angeles Basin
Fault Type	B
Slip Rate (mm/year)	3.00000000
Slip Geometry	Right Lateral - Strike Slip

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Slip Type	Moderately Constrained
Down Dip Width (km)	13.00000000
Rupture Top	0.00000000
Rupture Bottom	13.00000000
Dip Angle (degrees)	90.00000000
Maximum Magnitude	7.30000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Opportunity Zone	No
Promise Zone	None
Renewal Community	No
Revitalization Zone	San Pedro / Wilmington
State Enterprise Zone	HARBOR GATEWAY STATE ENTERPRISE ZONE
Targeted Neighborhood Initiative	None
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No
Ellis Act Property	No
Public Safety	
Police Information	
Bureau	South
Division / Station	Harbor
Reporting District	513
Fire Information	
Bureau	South
Batallion	6
District / Fire Station	85
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2018-6402-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	ADOPTION OF COMMUNITY PLAN POLICY DOCUMENT; GENERAL PLAN AMENDMENTS, AND ZONE CHANGES TO APPLY RE:CODELA ZONING.
Case Number:	CPC-2005-8252-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AN ORDINANCE ESTABLISHING PERMANENT REGULATIONS IMPLEMENTING THE MELLO ACT IN THE COASTAL ZONE.
Case Number:	CPC-1997-50-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	COMMUNITY PLAN UPDATE FOR WILMINGTON-HARBOR CITY WHICH IDENTIFIES AND REDEFINES OUTDATED LAND USE ISSUES AND INCONSISTENT ZONING, REVIEWS POLICIES AND PROGRAMS, AS WELL AS REVISING AND UPDATING THE PLAN MAP AND TEXT
Case Number:	CPC-1986-833-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - WILMINGTON-HARBOR CITY-COMMUNITY WIDE ZONE AND GENERAL PLAN CHANGES TO BRINGTHE PLAN AND ZONING INTO CONSISTENCY. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN HILLSIDE FEDERATION LAWSUIT (TAYLOR-PARKER)
Case Number:	ENV-2017-2502-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	ENVIRONMENTAL CLEARANCE
Case Number:	ENV-2005-8253-ND
Required Action(s):	ND-NEGATIVE DECLARATION
Project Descriptions(s):	AN ORDINANCE ESTABLISHING PERMANENT REGULATIONS IMPLEMENTING THE MELLO ACT IN THE COASTAL ZONE.

DATA NOT AVAILABLE

ORD-172853-SA22B

ORD-172853-SA22A

ORD-167215

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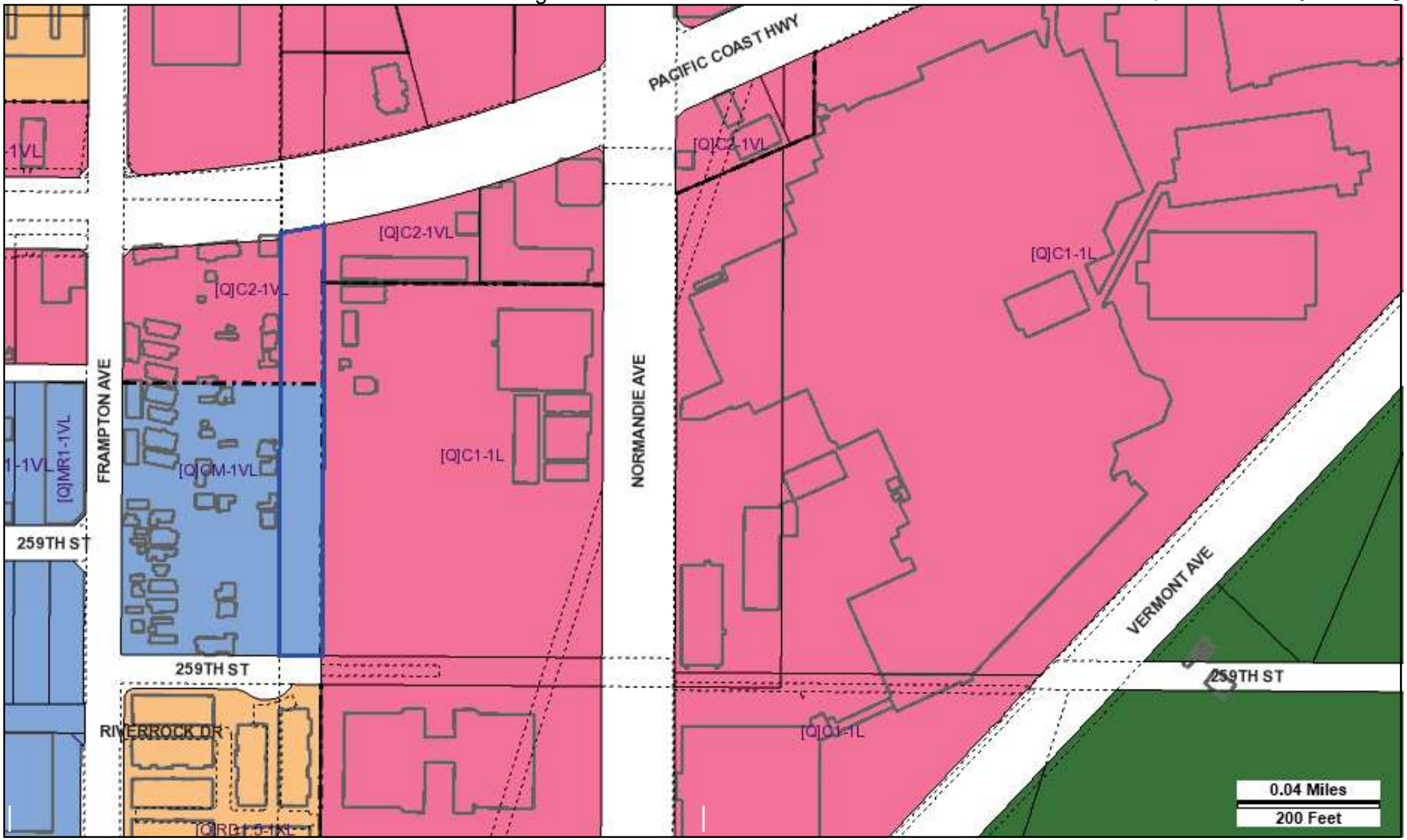
ZIMAS PUBLIC

Generalized Zoning

01/05/2019

City of Los Angeles
Department of City Planning



Address: 1268 W PACIFIC COAST HWY

APN: 7411019020

PIN #: 033B197 18

Tract: PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO

Block: 10

Lot: PT

Arb: 67

Zoning: [Q]C2-1VL, [Q]CM-1VL

General Plan: Community Commercial, Limited

Streets Copyright (c) Thomas Brothers Maps, Inc.

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- Public Elementary (Proposed Expansion)
- Public Elementary School
- Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Zone Commission Authority
- Calvo Exclusion Area
- Not in Coastal Zone
- Dual Jurisdictional Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

LAMC SECTION 85.02 (VEHICLE DWELLING)

- No vehicle dwelling anytime
- No vehicle dwelling overnight between 9:00 PM - 6:00 AM. Must comply with all posted parking restrictions
- Vehicle dwelling allowed. Must comply with all posted parking restrictions

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Oil Wells



13245 RIVERSIDE DR. #450
SHERMAN OAKS, CA 91423
PHONE NO. (800) 794-8094
FAX NO. (310) 247-4970

YOUR NO.:
BORROWER'S NAME: ROI LLC
OUR ORDER NO.: 11367113-LR

ENCLOSED IS OUR POLICY OF TITLE INSURANCE, WHICH HAS BEEN ISSUED IN ACCORDANCE WITH YOUR REQUEST.

WE THANK YOU FOR USING PROVIDENT TITLE COMPANY AND LOOK FORWARD TO AGAIN HAVING THE OPPORTUNITY TO SERVICE YOU.

ISSUING AGENT: PROVIDENT TITLE COMPANY

2006 ALTA OWNER'S POLICY (06-17-2006)

ISSUED BY

FIRST AMERICAN TITLE INSURANCE COMPANY

SCHEDULE A PROFORMA

NAME AND ADDRESS OF TITLE INSURANCE COMPANY:
FIRST AMERICAN TITLE INS. CO.
5 FIRST AMERICAN WAY
SANTA ANA, CA 92707

ORDER NO.: 11367113-LR
POLICY NUMBER: TO BE DETERMINED

ADDRESS REFERENCE: TO BE DETERMINED

AMOUNT OF INSURANCE: $1,675,000.00
PREMIUM: $
DATE OF POLICY: DATE AND TIME OF RECORDED DOCUMENT

1. **NAME OF INSURED:**

   ROI 1280 LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

2. **THE ESTATE OR INTEREST IN THE LAND THAT IS INSURED BY THIS POLICY IS:**

   A FEE

3. **TITLE IS VESTED IN:**

   ROI 1280 LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

4. **THE LAND REFERRED TO IN THIS POLICY IS DESCRIBED AS FOLLOWS:**

   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

THIS IS A PRO FORMA POLICY, WHICH PROVIDES **NO INSURANCE COVERAGE,** FURNISHED TO OR ON BEHALF OF THE PROPOSED INSURED. THIS PRO FORMA POLICY DOES NOT REFLECT THE PRESENT STATUS OR CONDITION OF TITLE AND IS NOT A COMMITMENT TO INSURE THE ESTATE OR INTEREST OR TO PROVIDE ANY AFFIRMATIVE COVERAGE SHOWN HEREIN. ANY COMMITMENT MUST BE AN EXPRESS WRITTEN UNDERTAKING ISSUED ON THE APPROPRIATE FORMS OF THE COMPANY. THIS PRO FORMA POLICY SOLELY INDICATES THE FORM AND CONTENT OF THE POLICY WHICH THE COMPANY MAY ISSUE IF ALL NECESSARY DOCUMENTS ARE FURNISHED, ALL ACTS ARE PERFORMED AND ALL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE COMPANY.

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ORDER NO. 11367113-LR

LEGAL DESCRIPTION

EXHIBIT "A"

THAT PORTION OF LOT 10 OF PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO LOS PALOS VERDES, IN THE CITY OF LOS ANGELES , COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 141, FILED OCTOBER 30, 1897, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, INCLUDED WITHIN THE BOUNDARIES OF PARCEL OF LAND DESCRIBED IN A DEED TO CALIFORNIA PACIFIC RAILWAY COMPANY, RECORDED IN BOOK 1835 PAGE 294 OF DEEDS.

EXCEPT THAT PORTION LYING NORTHERLY OF THE SOUTHERLY LINE OF THE LAND CONDEMNED BY THE CITY OF LOS ANGELES FOR PACIFIC COAST HIGHWAY, BY DECREE RECORDED JUNE 7, 1938 IN BOOK 15782 PAGE 363 OFFICIAL RECORDS.

ALSO EXCEPT THEREFROM THAT PORTION OF SAID LAND LYING SOUTHERLY OF THE NORTHERLY LINE OF 259TH STREET AS SHOWN ON PARCEL MAP L.A. NO. 639, IN SAID CITY, COUNTY AND STATE FILED IN BOOK 6 PAGE 28 OF PARCEL MAPS, IN SAID RECORDER'S OFFICE.

ASSESSOR'S PARCEL NUMBER: 7411-019-020

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SCHEDULE B
EXCEPTIONS FROM COVERAGE

THIS POLICY DOES NOT INSURE AGAINST LOSS OR DAMAGE (AND THE COMPANY WILL NOT PAY THE COSTS, ATTORNEYS' FEES OR EXPENSES) THAT ARISE BY REASON OF:

A. SECOND INSTALLMENT GENERAL AND SPECIAL PROPERTY TAXES FOR THE FISCAL YEAR 2018-2019.

2ND INSTALLMENT:	$ 3,478.10 OPEN
CODE NO.:	00019
TAX PARCEL NO.:	7411-019-020

B. SUPPLEMENTAL ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO THE PROVISIONS OF PART 0.5, CHAPTER 3.5 (COMMENCING WITH SECTION 75) OF THE CALIFORNIA REVENUE AND TAXATION CODE AS A RESULT OF THE TRANSFER OF TITLE TO THE VESTEE NAMED IN SCHEDULE A.

SUPPLEMENTAL OR ESCAPED ASSESSMENTS OF PROPERTY TAXES, IF ANY, MADE PURSUANT TO PART 0.5, CHAPTER 3.5 OR PART 2, CHAPTER 3, ARTICLES 3 AND 4, RESPECTIVELY, OF THE CALIFORNIA REVENUE AND TAXATION CODE AS A RESULT OF CHANGES IN OWNERSHIP OR NEW CONSTRUCTION OCCURRING PRIOR TO DATE OF POLICY.

ASSESSMENTS, IF ANY, FOR COMMUNITY FACILITY DISTRICTS AFFECTING SAID LAND WHICH MAY EXIST BY VIRTUE OF ASSESSMENT MAPS OR NOTICES FILED BY SAID DISTRICTS.

NOTE: THE MAP ATTACHED HERETO IS NEITHER A PLAT NOR A SURVEY, IT IS FURNISHED AS A CONVENIENCE TO LOCATE THE LAND INDICATED HEREON WITH REFERENCE TO STREETS AND OTHER LAND. NO LIABILITY IS ASSUMED BY REASON OF RELIANCE HEREIN.

1. WATER RIGHTS, CLAIMS OR TITLE TO WATER, WHETHER OR NOT SHOWN BY THE PUBLIC RECORDS.

2. AN EASEMENT FOR THE PURPOSE SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS SET FORTH IN A DOCUMENT

PURPOSE:	PIPELINE
AFFECTS:	SAID LAND
RECORDED:	IN BOOK 2705 PAGE 379 OFFICIAL RECORDS

SAID ITEM WILL BE DELETED UPON RECORDING OF QUITCLAIM DEED FROM UNION OIL COMPANY OF CALIFORNIA TO ROI 1280 LLC AT CLOSE OF ESCROW.

3. ANY RIGHTS, INTERESTS, OR CLAIMS WHICH, MAY EXIST OR ARISE BY REASON OF THE FOLLOWING FACTS SHOWN ON A SURVEY PLAT:

ENTITLED:	ALTA/NSPS LAND TITLE SURVEY
DATED:	OCTOBER 10, 2018
PREPARED BY:	FUSCOE ENGINEERING

A. THE FACT THAT AN 8” BLOCK WALL LOCATED ALONG THE NORTHEASTERLY BOUNDRY IS PARTIALLY ON SAID LAND AND PARTIALLY ON ADJOINING LAND.

B. THE FACT THAT THERE ARE SIX (6) LIGHT POLES LOCATED WITHIN THE WESTERLY BOUNDARY OF SAID LAND.

C. THE FACT THAT THE WEST FACE OF A BLOCK WALL LOCATED ALONG THE WESTERLY BOUNDARYOF SAID LAND EXTENDS UP TO 0.4’ ONTO SAID LAND.

D. THE FACT THAT THERE IS A POWER POLE LOCATED WITHIN THE WESTERLY BOUNDARY OF SAID LAND.

ENDORSEMENT: 101.3-06

ORDER NO.: 11367113

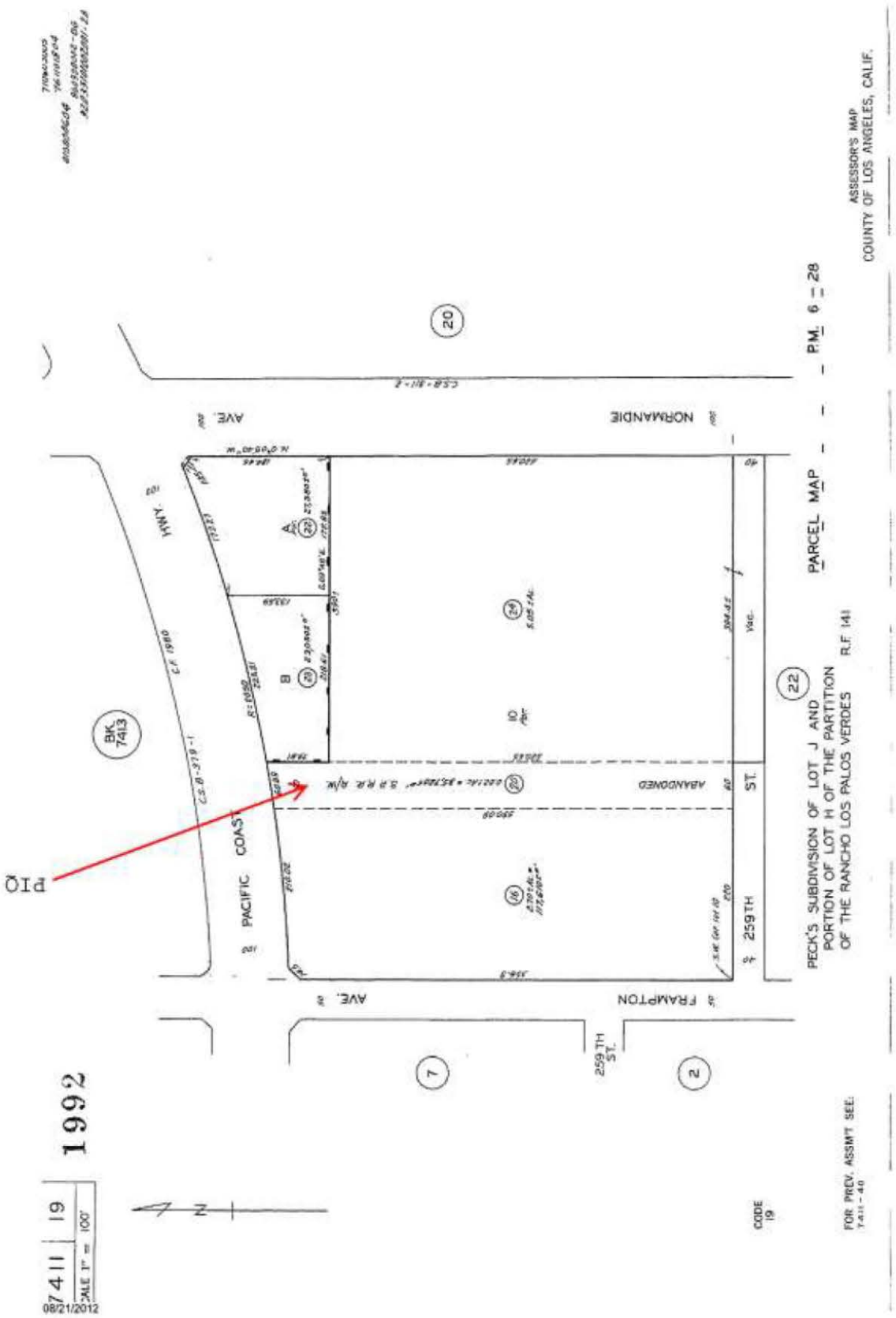
ISSUING AGENT: PROVIDENT TITLE COMPANY

ENDORSEMENT

CLTA FORM 101.3-06 (03-09-07)
ALTA - LENDER

THE COMPANY INSURES AGAINST LOSS OR DAMAGE SUSTAINED BY REASON OF THE ESTABLISHMENT OF PRIORITY OVER THE LIEN OF THE INSURED MORTGAGE UPON TITLE OF ANY STATUTORY LIEN FOR SERVICES, LABOR OR MATERIAL ARISING OUT OF ANY WORK OF IMPROVEMENT UNDER CONSTRUCTION OR COMPLETED AT DATE OF POLICY.

THIS ENDORSEMENT IS ISSUED AS PART OF THE POLICY. EXCEPT AS IT EXPRESSLY STATES, IT DOES NOT (i) MODIFY ANY OF THE TERMS AND PROVISIONS OF THE POLICY, (ii) MODIFY ANY PRIOR ENDORSEMENTS, (iii) EXTEND THE DATE OF POLICY, OR (iv) INCREASE THE AMOUNT OF INSURANCE. TO THE EXTENT A PROVISION OF THE POLICY OR A PREVIOUS ENDORSEMENT IS INCONSISTENT WITH AN EXPRESS PROVISION OF THIS ENDORSEMENT, THIS ENDORSEMENT CONTROLS. OTHERWISE, THIS ENDORSEMENT IS SUBJECT TO ALL OF THE TERMS AND PROVISIONS OF THE POLICY AND OF ANY PRIOR ENDORSEMENTS.


ASSESSOR'S MAP
COUNTY OF LOS ANGELES, CALIF.
P.M. 6 – 28
PARCEL MAP
PECK'S SUBDIVISION OF LOT J AND
PORTION OF LOT H OF THE PARTITION
OF THE RANCHO LOS PALOS VERDES
R.F. 141
NORMANDIE
AVE.
FRAMPTON
AVE.
259TH
ST.
259TH ST.
PACIFIC COAST
HWY.
ABANDONED
BK 7413
PIQ
CODE 19
FOR PREV. ASSM'T SEE: 7411-40
7411 19
SCALE 1" = 100'
1992
08/21/2012

PARTNER
Engineering and Science, Inc.®

PHASE II SUBSURFACE INVESTIGATION REPORT

1268 PCH Harbor City
1268 Pacific Coast Highway
Los Angeles, California 90710

January 25, 2018
Partner Project Number: 18-226425.2

Prepared for:

Red Oak Investments
4199 Campus Drive
Irvine, California 92612



Engineers who understand your business

PARTNER
Engineering and Science, Inc.

January 25, 2019

Alex Wong
Red Oak Investments
4199 Campus Drive
Irvine, California 92612

Subject: Phase II Subsurface Investigation Report
1268 PCH Harbor City
1268 Pacific Coast Highway
Los Angeles, California 90710
Partner Project Number: 18-226425.2

Dear Mr. Wong:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted at the above-referenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Debbie Stott at (310) 622-8855.

Sincerely,

Partner Engineering and Science, Inc.

Mark Bullivant
Project Geologist

Samantha Fujita, PG
Regional Manager-Subsurface Investigation

Debbie Stott
Principal



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ATTACHMENTS

Tables
1. Summary of Investigation Scope
2. Soil Sample TPH-cc Laboratory Results
3. Soil Sample Arsenic and Lead Laboratory Results (mg/kg)

Figures
1. Site Plan
2. Topographic Map
3. Sample Location Map

Appendices
A. Boring Logs
B. Laboratory Analytical Report

1.0 INTRODUCTION

1.1 Purpose

The purpose of the investigation was to evaluate the potential impact of petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs), lead, and arsenic to soil as a consequence of a release or releases from the potential on-site railroad line. Red Oak Investments provided project authorization of Partner Proposal Number P18-226425.2.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third-party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Partner was engaged by Red Oak Investments (the Addressee), or their authorized representative, to perform this investigation. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report.

2.0 SITE BACKGROUND

2.1 Site Description

The subject property consists of one parcel of land comprising approximately 0.83 acre located on the south side of Pacific Coast Highway within a mixed residential, commercial, industrial area of Los Angeles County, California. According to Client-provided information, the subject property is currently used as a 60-foot wide parking lot that was formerly an abandoned railroad line.

The subject property is bound by Pacific Coast Highway followed by commercial properties to the north, a parking lot to the east, an alley followed by residential properties to the south, and residential properties to the west. Refer to Figure 1 for a site plan showing site features and surrounding properties.

2.2 Site History

According to Client-provided information, the subject property was formerly an abandoned railroad line. No information regarding whether the line remains on site was available; however, recent aerial photographs indicate that the railroad line has likely been removed.

2.3 Geology and Hydrogeology

Based on a review of the United States Geological Survey (USGS) *Torrance, California* Quadrangle topographic map, the subject property is situated at an elevation approximately 40 feet above mean sea level, and the local topography is sloping gently to the northeast. Refer to Figure 2 for a topographic map of the site vicinity.

According to the California Geological Survey, the subject property is situated in the Transverse Ranges which are an east-west trending series of steep mountain ranges and valleys. The east-west structure of the Transverse Ranges is oblique to the normal northwest trend of coastal California, hence the name "transverse". The province extends offshore to include San Miguel, Santa Rosa, and Santa Cruz islands. Its eastern extension, the San Bernardino Mountains, has been displaced to the south along the San Andreas Fault. Intense north-south compression is squeezing the Transverse Ranges. As result, this is one of the most rapidly rising regions on earth. Great thickness of Cenozoic petroleum-rich sedimentary rocks have been folded and faulted, making this one of the important oil-producing areas in the United States.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of sandy silt (ML) from the ground surface to approximately five feet below ground surface (bgs). From five to 10 feet bgs, the subsurface consists predominantly of silty sand (SM). Refer to Appendix A for boring logs from this investigation.

Groundwater was not encountered during this investigation and was not a part of the scope of work. According to the State Water Resources Control Board (SWRCB) Geotracker website, a nearby Leaking Underground Storage Tank (LUST) site is located at 1268 Pacific Coast Highway in the city of Los Angeles, which is approximately 550 feet to the northeast of the subject property and is overseen by the Los Angeles Regional Water Quality Control Board (LARWQCB) as Case Number 907100116A. The site maintains four

groundwater monitoring wells in the area. The most recent monitoring data available on the GeoTracker Website was for May 9, 2011, with depth to groundwater at approximately 67 feet bgs with a direction of flow to the southeast.

3.0 FIELD ACTIVITIES

The scope of the Phase II Subsurface Investigation included the advancement of four borings (B1 through B4) for the collection and analysis of representative soil samples. Refer to Table 1 for a summary of the borings, sampling schedule and laboratory analyses for this investigation.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

Partner delineated the work area with white spray paint and notified Underground Service Alert (USA) to clear public utility lines as required by law at least 48 hours prior to drilling activities. USA issued ticket number A182830545 for the project.

In addition, Partner subcontracted with Ground Penetrating Radar Systems (GPRS) on January 9, 2019 to clear boring locations of utilities. GPRS systematically free-traversed each proposed boring location with a Radiodetection model RD7000 electromagnetic induction (EM) equipment unit with line-tracing capabilities, and a GSSI model SIR-3000 ground penetrating radar (GPR) unit. The data was interpreted in real time for evidence of utility lines and/or other subsurface features of potential concern. Based on the findings of the GPR survey, no subsurface utilities were identified within the proposed boring locations.

3.1.2 Health and Safety Plan

Partner prepared a site-specific Health and Safety Plan, which was reviewed with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Drilling Equipment

On January 9, 2019, Partner subcontracted with Munoz Direct Push (Munoz) to provide and operate drilling equipment. Munoz, under the direction of Partner, advanced borings B1 through B4 with a limited-access Geoprobe Model 420MT direct push rig. Sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Boring Locations

Borings B1 through B4 were advanced in the northernmost, north-central, south-central, and southernmost portions of the subject property, respectively. Refer to Figure 3 for a map indicating boring locations.

3.4 Soil Sampling

Borings B1 through B4 were overlain by asphalt, which was penetrated using a punch bit attachment advanced by the direct-push drill rig. Borings B1 through B4 were advanced to a terminal depth of 10 feet bgs.

Soil samples were collected using a two-foot long by 1.5-inch diameter sampler with a two-foot long acetate liner and sampling point. The sampler was advanced by the direct-push drill rig using three-foot long by 1.25-inch diameter hollow rods with the inner rods in place. At approximately one foot above the desired sampling depth, an inner rod was removed and the sampler was advanced to the desired sampling depth

to allow undisturbed soil to enter the sampling liner. The sampler was retrieved from the subsurface and the soil-filled liner was removed.

Each acetate liner was cut using a hacksaw. Samples were collected from the lower half of the liner using a disposable plastic syringe and retained in two sodium bisulfate-preserved and one methanol-preserved volatile organics analysis (VOA) vials in accordance with United States Environmental Protection Agency (EPA) Method 5035 sampling protocol. The remainder of the lower half of the liner was capped on either end with Teflon tape and plastic caps. The capped liners and VOA vials were labeled for identification and stored in an iced cooler. The soil in the upper half of the liner was visually inspected for discoloration, monitored for odors, classified in accordance with the Unified Soil Classification System, placed in a sealable plastic bag, and field-screened with a photoionization detector (PID). None of the samples exhibited discoloration or an odor and none of the PID readings suggested the presence of elevated volatile organics concentrations.

Soil samples were collected from each boring at 1.5, five, and 10 feet bgs.

3.5 Post-Sampling Activities

The boreholes were backfilled with hydrated bentonite chips following sampling activities. Boreholes were capped with asphalt patch to match existing ground cover after being backfilled.

No significant amounts of derived wastes were generated during this investigation.

4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

Partner collected 12 soil samples on January 9, 2019, which were transported on the same day in an iced cooler under chain-of-custody protocol to Jones Environmental Inc. (JEI), a state-certified laboratory [Environmental Laboratory Accreditation Program (ELAP) certificate number 6C76103] in the City of Santa Fe Springs, California, for analysis. Each of the soil samples (12 soil samples total) was analyzed for total petroleum hydrocarbons (TPH-cc) in accordance with EPA Method 8015M/8260B, PAHs in accordance with EPA Method 8270C, OCPs in accordance with EPA Method 8081A, and arsenic and lead in accordance with EPA Method 6010B.

4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix B and discussed below.

4.2.1 Soil Sample Analytical Results

Total petroleum hydrocarbons as diesel (TPH-d) and total petroleum hydrocarbons as oil (TPH-o) were detected in one of the analyzed soil samples (B3-1.5) at concentrations exceeding the laboratory reporting limits (RLs). None of the remaining soil samples contained TPH-cc above laboratory RLs.

None of the analyzed soil samples contained detectable concentrations of OCPs or PAHs above the laboratory RLs.

Arsenic was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations exceeding laboratory RLs. Lead was detected in each of the 12 analyzed soil samples at concentrations exceeding laboratory RLs.

Refer to Tables 2 and 3 for a summary of the soil sample TPH-cc and arsenic and lead laboratory analysis results, respectively.

5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

Maximum Soil Screening Levels

Maximum Soil Screening Levels (SSLs) are concentrations of petroleum hydrocarbons that are allowed to remain in soil without potentially degrading the quality of groundwater underlying a site. Maximum SSLs are established and enforced by the LARWQCB.

Department of Toxic Substances Control (DTSC) Regional Screening Levels

Regional Screening Levels (RSLs) are generic, risk-based chemical concentrations developed by the DTSC for use in initial screening-level evaluations. RSLs combine human health toxicity values with standard exposure factors to estimate contaminant concentrations that are considered to be health protective of human exposures over a lifetime through direct-contact exposure pathways (e.g., via inhalation and/or ingestion of and/or dermal contact with impacted soil and/or indoor air). RSLs are not legally enforceable standards, but rather are considered guidelines to evaluate if potential risks associated with encountered chemical impacts may warrant further evaluation.

The Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) developed California-Modified RSLs based on a review of 1) RSL concentrations, and 2) recent toxicity values.

5.2 Discussion

Neither of the detected concentrations of TPH-d and TPH-o in sample B3-1.5 exceeded the Maximum SSLs of 1,000 milligrams per kilogram (mg/kg) and 10,000 mg/kg, respectively. TPH-d was detected at 327 mg/kg and TPH-o was detected at 903 mg/kg. None of the remaining soil samples contained TPH-cc above the laboratory RLs and the RLs did not exceed the Maximum SSLs.

None of the analyzed soil samples contained detectable concentrations of OCPs or PAHs above the laboratory RLs and the RLs did not exceed the residential or commercial/industrial RSLs.

Each of the detected concentrations of arsenic (3 of 12 samples) exceeded the DTSC residential and industrial soil RSLs of 0.11 milligrams per kilogram (mg/kg) and 0.36 mg/kg, respectively. Arsenic was detected above the RLs in three samples collected from approximately 1.5 feet bgs at concentrations ranging from 12.5 mg/kg to 53.3 mg/kg. It should be noted that the residential and commercial RSLs are well below typical background concentrations; however, the three detections of arsenic also exceeded background arsenic concentrations for typical California soils of 12 mg/kg as based on the Kearney Foundation of Soil Science March 1996 Background Concentrations of Trace and Major Elements in California Soils Report.

Lead was not detected in soil above background concentrations or RSLs.

There appear to be concentrations of arsenic on-site that may represent a concern to construction workers during proposed redevelopment of the site. The concentrations of arsenic appear to be generally close to the surface at 1.5 feet bgs and do not extend to five feet bgs.

No other contaminants of concern were detected above laboratory RLs and applicable screening levels.

5.3 Summary and Conclusions

Partner conducted a Phase II Subsurface Investigation at the subject property to evaluate the potential impact of TPH-cc, PAHs, OCPs, lead, and arsenic to soil as a consequence of a release or releases from the potential on-site railroad line. The scope of the Phase II Subsurface Investigation included four soil borings. Twelve soil samples were analyzed for TPH-cc, PAHs, OCPs, arsenic, and lead.

Subsurface lithology encountered in the upper 10 feet bgs consisted of sandy silt and silty sand. Groundwater was not encountered during this investigation.

None of the analyzed soil samples contained TPH-cc, PAHs, OCPs, or lead above applicable screening levels.

Arsenic was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations exceeding residential and commercial/industrial RSLs and exceeding typical background concentrations.

There appear to be concentrations of arsenic on-site that may represent a concern to construction workers during proposed redevelopment of the site. No other contaminants of concern were detected above laboratory RLs and applicable screening levels. The arsenic impacts appear to be vertically limited to a depth of less than two feet bgs. Arsenic was not detected above screening criteria in the deeper samples. Arsenic was less than 0.5 mg/kg in those samples. Notification to regulatory agencies is not required. Remedial action is not required by regulatory agencies. Partner recommends soil management in accordance with grading plans, codes, and regulations during future redevelopment activities.

TABLES

PARTNER

Table 1: Summary of Investigation Scope
1268 Pacific Coast Highway
Harbor City, California 90710
Partner Project Number 18-226425.2
January 2019

Boring Identification	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths (feet bgs)	Target Analytes*
B1	Northernmost portion of subject property	10	Soil	1.5, 5, 10	TPH-cc, PAHs, OCPs, Arsenic, Lead
B2	North-central portion of subject property	10	Soil	1.5, 5, 10	TPH-cc, PAHs, OCPs, Arsenic, Lead
B3	South-central portion of subject property	10	Soil	1.5, 5, 10	TPH-cc, PAHs, OCPs, Arsenic, Lead
B4	Southernmost portion of subject property	10	Soil	1.5, 5, 10	TPH-cc, PAHs, OCPs, Arsenic, Lead

Notes:

*Each soil sample analyzed for carbon chain total petroleum hydrocarbons (TPH-cc) in accordance with United States Environmental Protection Agency (EPA) Method 8015M/8260B, polycyclic aromatic hydrocarbons (PAHs) in accordance with EPA Method 8270C, organochlorine pesticides (OCPs) in accordance with EPA Method 8081A, and arsenic and lead in accordance with EPA Method 6010B.

bgs = below ground surface

Table 2: Soil Sample TPH-cc Laboratory Results
1268 Pacific Coast Highway
Harbor City, California 90710
Partner Project Number 18-226425.2
January 2019

EPA Method	TPH-cc via 8015M/8260B											
Units	(mg/kg)											
Analyte	Maximum SSL	B1-1.5	B1-5	B1-10	B2-1.5	B2-5	B2-10	B3-1.5	B3-5	B3-10	B4-1.5	B4-5	B4-10
TPH-g	**500**	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
TPH-d	**1,000**	< 10	< 10	< 10	< 10	< 10	< 10	**327**	< 10	< 10	< 10	< 10	< 10
TPH-o	**10,000**	< 10	< 10	< 10	< 10	< 10	< 10	**903**	< 10	< 10	< 10	< 10	< 10

Notes:

TPH-cc = carbon chain total petroleum hydrocarbons

EPA = United States Environmental Protection Agency

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TPH-o = total petroleum hydrocarbons as oil

mg/kg = milligrams per kilogram

SSLs = Soil-screening levels (Los Angeles Regional Water Quality Control Board - April 27, 2004) for groundwater at a depth of 20-150 feet

< = not detected above indicated Laboratory Reporting Limit (RL)

Values in **bold** exceed laboratory RLs

Table 3: Soil Sample Arsenic and Lead Laboratory Results (mg/kg)
1268 Pacific Coast Highway
Harbor City, California 90710
Partner Project Number 18-226425.2
January 2019

Element	Residential Soil RSL	Industrial Soil RSL	Background Concentrations*	B1-1.5	B1-5	B1-10	B2-1.5	B2-5	B2-10	B3-1.5	B3-5	B3-10	B4-1.5	B4-5	B4-10
Arsenic (As)	**0.11**	**0.36**	**12****	**16.9**	< 0.5	< 0.5	**53.3**	< 0.5	< 0.5	**12.5**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Lead (Pb)	**80**	**320**	**10.1 - 37.7**	**33**	**4.6**	**3.3**	**5.3**	**3.9**	**2.3**	**21.3**	**3.6**	**3.0**	**3.9**	**5.4**	**4.8**

Notes:

*From Kearney Foundation of Soil Science March 1996 report *Background Concentrations of Trace and Major Elements in California Soils.* Background concentrations of metals are considered to be within one standard deviation from the mean metal concentrations determined by the study. Concentrations indicated in milligrams per kilogram (mg/kg).

**From Department of Toxic Substance Control (DTSC) March 2008 report *Determination of a Southern California Regional Background Arsenic Concentration in Soil*.

CAM = California Administrative Manual

RSL = September 2018 DTSC Regional Screening Levels (RSLs). If DTSC RSLs do not exist, May 2018 United States Environmental Protection Agency (EPA) Region 9 RSLs were utilized, as denoted by [1].

< = not detected above indicated laboratory Reporting Limit (RL)

NA = not applicable

Values in **bold** exceed laboratory RLs

Highlighted values exceed one or more regulatory guideline

FIGURES

PARTNER



PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 18-226425.2

Legend

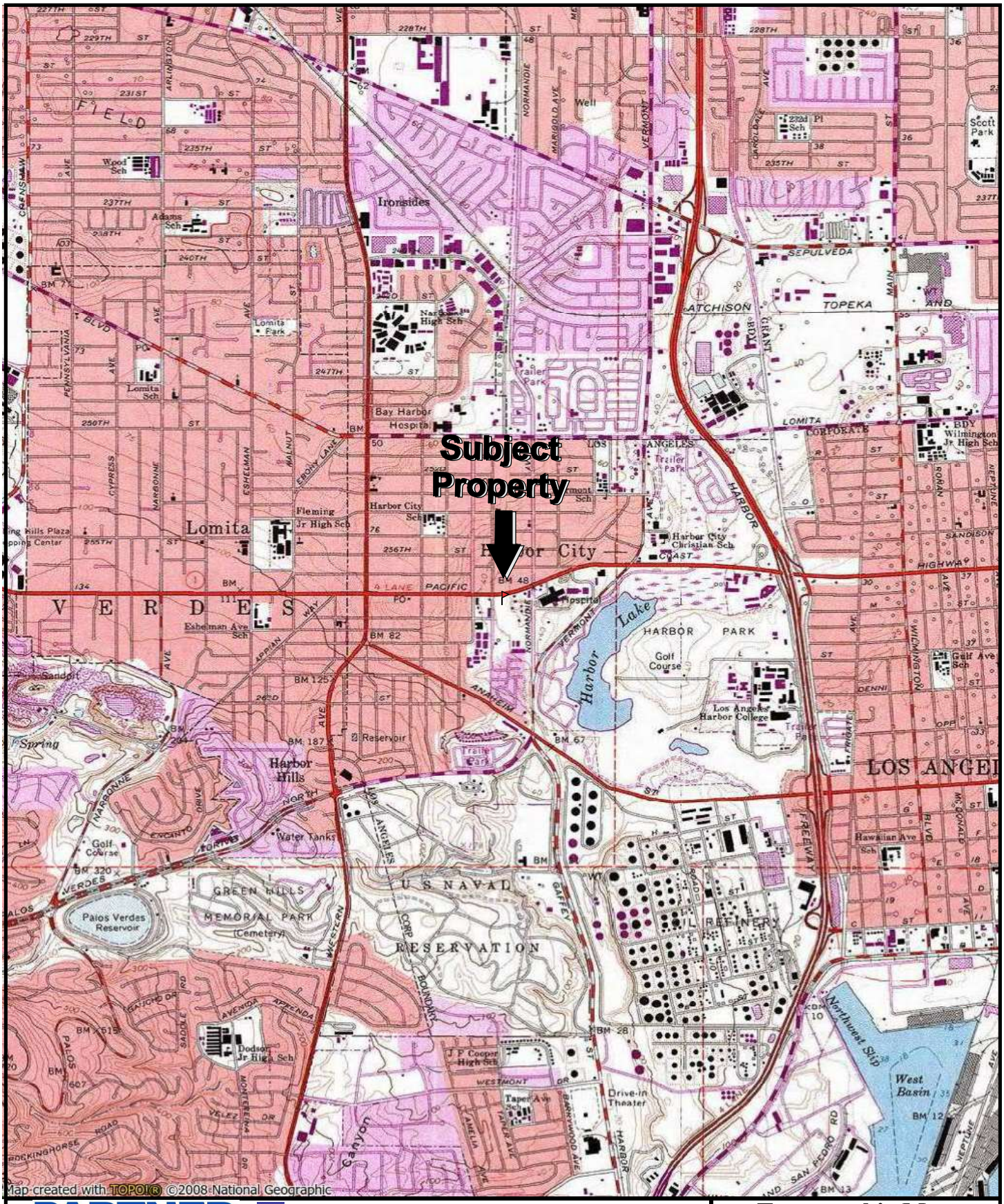
Subject Site

N

Site Plan

Figure	Prepared By	Date
1	M. Bullivant	January 2019

1268 Pacific Coast Highway
Los Angeles, California 90710



PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

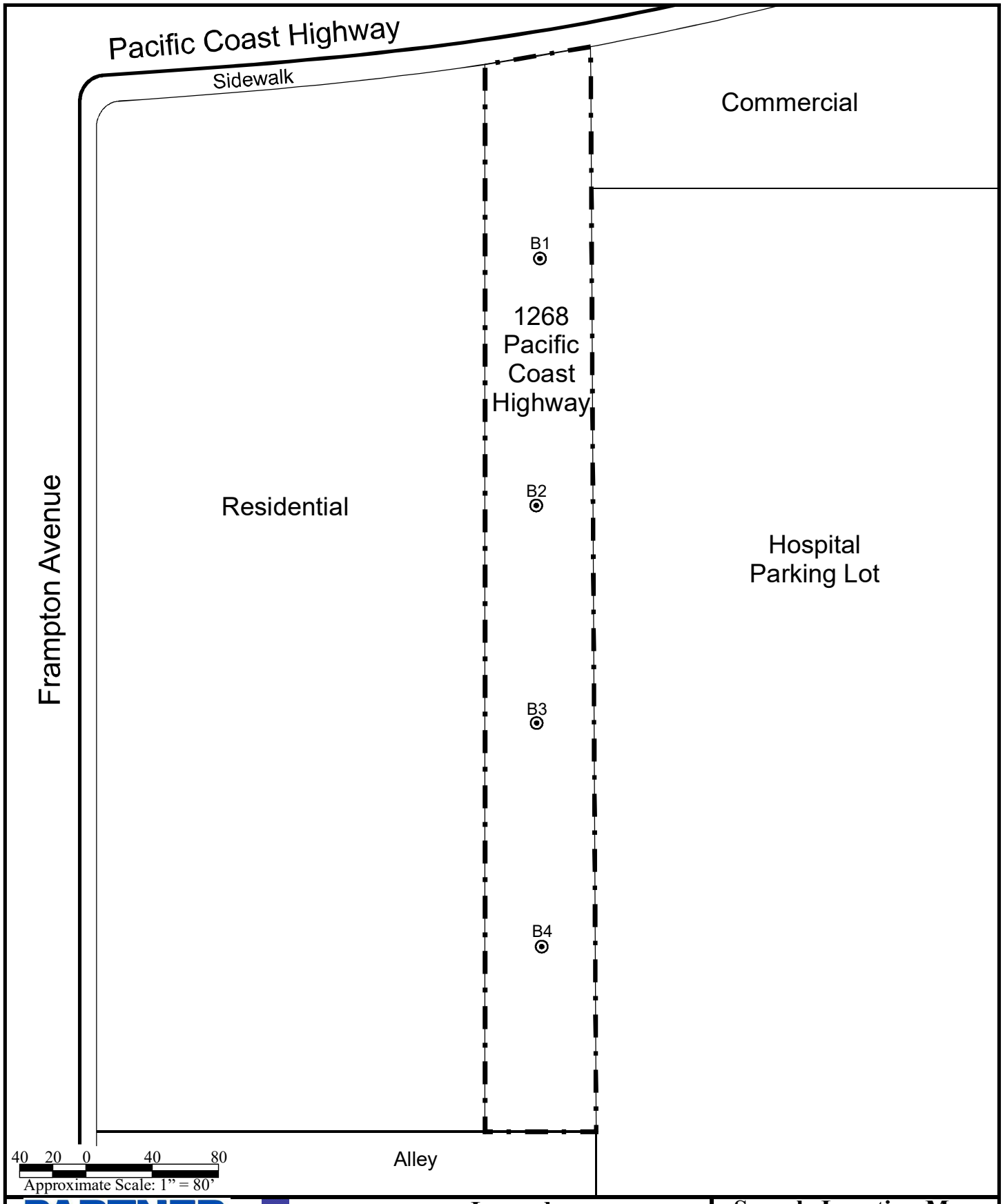
Project Number: 18-226425.2

USGS Torrance, California Quadrangle
Version: 1978 Current as of: 1981

Topographic Map

Figure	Prepared By	Date
2	M. Bullivant	January 2019

1268 Pacific Coast Highway
Los Angeles, California 90710



PARTNER
Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 18-226425.2

Legend

N

Subject Site

Boring Location

Sample Location Map

Figure	Prepared By	Date
3	M. Bullivant	January 2019

1268 Pacific Coast Highway
Los Angeles, California 90710

APPENDIX A: BORING LOGS

PARTNER

Boring Number:	B1				Page 1 of 1
Location:	Northernmost portion of subject property			Date Started:	1/9/2019
Site Address:	1268 Pacific Coast highway			Date Completed:	1/9/2019
	Los Angeles, California 90710			Depth to Groundwater:	NA
Project Number:	18-226425.2			Field Technician:	M. Bullivant
Drill Rig Type:	Limited-access Geoprobe model 420MT direct push drill rig			**Partner Engineering and Science**	
Sampling Equipment:	Acetate liners and plastic syringes			2154 Torrance Boulevard, Suite 200	
Borehole Diameter:	1.5"			Torrance, California 90501	

Depth	Sample	PID	USCS	Description	Notes
1				**4" thick asphalt ground cover	
1.5	B1-1.5	0.4	ML	Sandy silt: Very dark greyish brown, loose, moist.	
2					
2.5					
3					
3.5					
4					
4.5					
5	B1-5	0.0	SM	Silty sand: Dark greyish brown, loose, damp.	
5.5					
6					
6.5					
7					
7.5					
8					
8.5					
9					
9.5					
10	B1-10	0.1	SM	Silty sand: Dark greyish brown, loose, damp.	
10.5					*Boring backfilled with hydrated bentonite and capped at surface with asphalt to match existing ground cover.
11					
11.5					
12					
12.5					
13					

Boring Number:	B2		Page 1 of 1
Location:	North-central portion of subject property	Date Started:	1/9/2019
Site Address:	1268 Pacific Coast highway	Date Completed:	1/9/2019
	Los Angeles, California 90710	Depth to Groundwater:	NA
Project Number:	18-226425.2	Field Technician:	M. Bullivant
Drill Rig Type:	Limited-access Geoprobe model 420MT direct push drill rig	**Partner Engineering and Science**	
Sampling Equipment:	Acetate liners and plastic syringes	2154 Torrance Boulevard, Suite 200	
Borehole Diameter:	1.5"	Torrance, California 90501	

Depth	Sample	PID	USCS	Description	Notes
1				**4" thick asphalt ground cover	
1.5	B2-1.5	0.3	ML	Sandy silt: Very dark greyish brown, loose, moist.	
2					
2.5					
3					
3.5					
4					
4.5					
5	B2-5	0.5	SM	Silty sand: Dark greyish brown, loose, damp.	
5.5					
6					
6.5					
7					
7.5					
8					
8.5					
9					
9.5					
10	B2-10	0.1	SM	Silty sand: Dark greyish brown, loose, damp.	
10.5					*Boring backfilled with hydrated bentonite and capped at surface with asphalt to match existing ground cover.
11					
11.5					
12					
12.5					
13					

Boring Number:	B3		Page 1 of 1
Location:	South-central portion of subject property	Date Started:	1/9/2019
Site Address:	1268 Pacific Coast highway	Date Completed:	1/9/2019
	Los Angeles, California 90710	Depth to Groundwater:	NA
Project Number:	18-226425.2	Field Technician:	M. Bullivant
Drill Rig Type:	Limited-access Geoprobe model 420MT direct push drill rig	**Partner Engineering and Science**	
Sampling Equipment:	Acetate liners and plastic syringes	2154 Torrance Boulevard, Suite 200	
Borehole Diameter:	1.5"	Torrance, California 90501	

Depth	Sample	PID	USCS	Description	Notes
1				**4" thick asphalt ground cover	
1.5	B3-1.5	0.2	ML	Sandy silt: Very dark greyish brown, loose, moist.	
2					
2.5					
3					
3.5					
4					
4.5					
5	B3-5	0.3	SM	Silty sand: Dark greyish brown, loose, damp.	
5.5					
6					
6.5					
7					
7.5					
8					
8.5					
9					
9.5					
10	B3-10	0.0	SM	Silty sand: Dark greyish brown, loose, damp.	
10.5					*Boring backfilled with hydrated bentonite and capped at surface with asphalt to match existing ground cover.
11					
11.5					
12					
12.5					
13					

Boring Number:	B4		Page 1 of 1
Location:	Southernmost portion of subject property	Date Started:	1/9/2019
Site Address:	1268 Pacific Coast highway	Date Completed:	1/9/2019
	Los Angeles, California 90710	Depth to Groundwater:	NA
Project Number:	18-226425.2	Field Technician:	M. Bullivant
Drill Rig Type:	Limited-access Geoprobe model 420MT direct push drill rig	**Partner Engineering and Science**	
Sampling Equipment:	Acetate liners and plastic syringes	2154 Torrance Boulevard, Suite 200	
Borehole Diameter:	1.5"	Torrance, California 90501	

Depth	Sample	PID	USCS	Description	Notes
1				**4" thick asphalt ground cover	
1.5	B4-1.5	0.1	ML	Sandy silt: Very dark greyish brown, loose, moist.	
2					
2.5					
3					
3.5					
4					
4.5					
5	B4-5	0.0	SM	Silty sand: Dark greyish brown, loose, damp.	
5.5					
6					
6.5					
7					
7.5					
8					
8.5					
9					
9.5					
10	B4-10	0.0	SM	Silty sand: Dark greyish brown, loose, damp.	
10.5					*Boring backfilled with hydrated bentonite and capped at surface with asphalt to match existing ground cover.
11					
11.5					
12					
12.5					
13					

APPENDIX B: LABORATORY ANALYTICAL REPORT

PARTNER

JONES ENVIRONMENTAL, INC.

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805-399-0060

11007 FOREST PLACE
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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12,14,15,17,18/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

ANALYSES REQUESTED

1. EPA 8015M – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – Arsenic, Lead
4. EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD
5. EPA 8270C by 3546 – PAH/PNA Compounds by GC/MS (SIM-Mode)

Approval:

Angela Haar, Ph. D.
Mobile Lab Manager

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**B4-1.5**	**B4-5**	**B4-10**	**B3-1.5**	**B3-5**		
Jones ID:	**ST-13189-01**	**ST-13189-02**	**ST-13189-03**	**ST-13189-04**	**ST-13189-05**	**Reporting Limit**	**Units**
Carbon Chain Range							
C10 - C11	ND	ND	ND	**1.0**	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	**1.5**	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	**4.4**	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	**11.6**	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	**87.6**	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	**145**	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	**322**	ND	1.0	mg/kg
C32 - C35	**6.6**	ND	ND	**260**	ND	1.0	mg/kg
C36 - C39	**7.5**	ND	ND	**315**	ND	1.0	mg/kg
C40 - C43	**4.4**	ND	ND	**191**	ND	1.0	mg/kg
Diesel Range Organics (C10-C28)	ND	ND	ND	**327**	ND	10.0	mg/kg
Oil Range Organics (C29-C40)	ND	ND	ND	**903**	ND	10.0	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
Hexacosane	77%	82%	59%	119%	79%	30 - 120	
Batch:	8015 _011619_01	8015 _011619_01	8015 _011619_01	8015 _011619_01	8015 _011619_01		

ND = Value less than reporting limit

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LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**B3-10**	**B2-1.5**	**B2-5**	**B2-10**	**B1-1.5**		
Jones ID:	**ST-13189-06**	**ST-13189-07**	**ST-13189-08**	**ST-13189-09**	**ST-13189-10**	**Reporting Limit**	**Units**
Carbon Chain Range							
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
Diesel Range Organics (C10-C28)	ND	ND	ND	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C40)	ND	ND	ND	ND	ND	10.0	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
Hexacosane	85%	69%	72%	82%	78%	30 - 120	
Batch:	8015 _011619_01	8015 _011619_01	8015 _011619_01	8015 _011619_01	8015 _011619_01		

ND = Value less than reporting limit

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**B1-5**	**B1-10**		
Jones ID:	**ST-13189-11**	**ST-13189-12**	**Reporting Limit**	**Units**
Carbon Chain Range				
C10 - C11	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	1.0	mg/kg
Diesel Range Organics (C10-C28)	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C40)	ND	ND	10.0	mg/kg
Dilution Factor	1	1		
Surrogate Recovery:			**QC Limits**	
Hexacosane	74%	86%	30 - 120	
Batch:	8015 _011619_01	8015 _011619_01		

ND = Value less than reporting limit

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**METHOD BLANK**	**METHOD BLANK**		
Jones ID:	**MB-011619_01**	**MB-011819_01**	**Reporting Limit**	**Units**
Carbon Chain Range				
C10 - C11	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	1.0	mg/kg
Diesel Range Organics (C10-C28)	ND	ND	10.0	mg/kg
Oil Range Organics (C29-C40)	ND	ND	10.0	mg/kg
Dilution Factor	1	1		
Surrogate Recovery:			**QC Limits**	
Hexacosane	67%	62%	30 - 120	
Batch:	8015_011619_02	8015_011819_01		

ND = Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

BATCH: 8015 _011619_02 **Prepared:** 1/16/2019 **Analyzed:** 1/17/2019

EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-011619_01	**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:						
Diesel	**590**	500	118%		60 - 140	mg/kg
Surrogate Recovery:						
Hexacosane			73%		30 - 120	
LCSD:	LCSD-011619_01	**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:						
Diesel	**639**	500	128%	8.0%	60 - 140	mg/kg
Surrogate Recoveries:						
Hexacosane			75%		30 - 120	
CCV:	CCV-011619_01					
Analyte:						
Diesel	**1070**	1000	107%		80 - 120	mg/kg

LCS = Laboratory Control Sample
LCSD= Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/17,18/2019
Project Address:	1268 PCH Harbor City, CA 90710	**Physical State:**	Soil

BATCH: 8015 _011819_01 **Prepared:** 1/18/2019 **Analyzed:** 1/18/2019

EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-011819_01	**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:						
Diesel	**650**	500	130%		60 - 140	mg/kg
Surrogate Recovery:						
Hexacosane			76%		30 - 120	
LCSD:	LCSD-011819_01	**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:						
Diesel	**672**	500	134%	3.3%	60 - 140	mg/kg
Surrogate Recoveries:						
Hexacosane			86%		30 - 120	
CCV:	CCV-011819_01					
Analyte:						
Diesel	**1190**	1000	119%		80 - 120	mg/kg

LCS = Laboratory Control Sample
LCSD= Laboratory Control Sample Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/2019
Project Address:	1268 PCM Harbor City, CA 90710	**Physical State:**	Soil

EPA 8260B by 5035 – Gasoline Range Organics

Sample ID:	**B4-1.5**	**B4-5**	**B4-10**	**B3-1.5**	**B3-5**		
Jones ID:	**ST-13189-01**	**ST-13189-02**	**ST-13189-03**	**ST-13189-04**	**ST-13189-05**	**Reporting Limit**	**Units**
Analytes:							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	97%	100%	97%	101%	95%	60 - 140	
Toluene-d_8	100%	100%	99%	100%	102%	60 - 140	
4-Bromofluorobenzene	103%	99%	101%	103%	101%	60 - 140	
	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01		

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/2019
Project Address:	1268 PCM Harbor City, CA 90710	**Physical State:**	Soil

EPA 8260B by 5035 – Gasoline Range Organics

Sample ID:	**B3-10**	**B2-1.5**	**B2.-5**	**B2-10**	**B1-1.5**		
Jones ID:	**ST-13189-06**	**ST-13189-07**	**ST-13189-08**	**ST-13189-09**	**ST-13189-10**	**Reporting Limit**	**Units**
Analytes:							
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	92%	101%	99%	96%	98%	60 - 140	
Toluene-d_8	97%	102%	102%	100%	100%	60 - 140	
4-Bromofluorobenzene	99%	101%	99%	99%	99%	60 - 140	
	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01	VOC3-011419-01		

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/2019
Project Address:	1268 PCM Harbor City, CA 90710	**Physical State:**	Soil

EPA 8260B by 5035 – Gasoline Range Organics

Sample ID:	**B1-5**	**B1-10**		
Jones ID:	**ST-13189-11**	**ST-13189-12**	**Reporting Limit**	**Units**
Analytes:				
Gasoline Range Organics (C4-C12)	ND	ND	0.20	mg/kg
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	101%	95%	60 - 140	
Toluene-d_8	103%	100%	60 - 140	
4-Bromofluorobenzene	102%	103%	60 - 140	
	VOC3-011419-01	VOC3-011419-01		

ND= Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/2019
Project Address:	1268 PCM Harbor City, CA 90710	**Physical State:**	Soil

EPA 8260B by 5035 – Gasoline Range Organics

Sample ID:	**METHOD BLANK**		
Jones ID:	**011419-V3MB1**	**Reporting Limit**	**Units**
Analytes:			
Gasoline Range Organics (C4-C12)	ND	0.20	mg/kg
Dilution Factor	1		
Surrogate Recoveries:		**QC Limits**	
Dibromofluoromethane	91%	60 - 140	
Toluene-d_8	99%	60 - 140	
4-Bromofluorobenzene	99%	60 - 140	
	VOC3-011419-01		

ND= Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200	**Jones Ref. No.:**	ST-13189
	Torrance, CA	**Client Ref. No.:**	18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/2019
Project Address:	1268 PCM	**Physical State:**	Soil
	Harbor City, CA 90710		

EPA 8260B by 5035 – Gasoline Range Organics

Sample Spiked:	CLEAN SOIL			**GC#:**	VOC3-011419-01	
Jones ID:	**011419-V3MS1**	**011419-V3MSD1**			**011419-V3CCV1**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	CCV	Acceptability Range (%)
Vinyl chloride	98%	100%	1.5%	60 - 140	96%	80 - 120
1,1-Dichloroethene	97%	105%	7.6%	60 - 140	107%	80 - 120
Cis-1,2-Dichloroethene	94%	106%	11.5%	70 - 130	108%	80 - 120
1,1,1-Trichloroethane	97%	99%	1.4%	70 - 130	101%	80 - 120
Benzene	104%	107%	3.1%	70 - 130	106%	80 - 120
Trichloroethene	95%	98%	4.1%	70 - 130	107%	80 - 120
Toluene	105%	105%	0.1%	70 - 130	108%	80 - 120
Tetrachloroethene	99%	100%	1.5%	70 - 130	108%	80 - 120
Chlorobenzene	99%	100%	1.3%	70 - 130	109%	80 - 120
Ethylbenzene	100%	101%	1.5%	70 - 130	118%	80 - 120
1,2,4 Trimethylbenzene	99%	101%	2.0%	70 - 130	115%	80 - 120
Gasoline Range Organics (C4-C12)	102%	104%	1.6%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	90%	94%		60 - 140	88%	60 - 140
Toluene-d_8	97%	101%		60 - 140	96%	60 - 140
4-Bromofluorobenzene	104%	95%		60 - 140	109%	60 - 140

MS = Matrix Spike
MSD = Matrix Spike Duplicate
CCV = Continuing Calibration Verification
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 20%

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Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-1.5** **Jones ID:** **ST-13189-01**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**3.9**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-5** **Jones ID:** **ST-13189-02**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**5.4**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-10** **Jones ID:** **ST-13189-03**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**4.8**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-1.5** **Jones ID:** **ST-13189-04**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	**12.5**	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**21.3**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-5** **Jones ID:** **ST-13189-05**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**3.6**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-10** **Jones ID:** **ST-13189-06**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**3.0**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-1.5** **Jones ID:** **ST-13189-07**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	**53.3**	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**5.3**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-5** **Jones ID:** **ST-13189-08**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**3.9**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-10** **Jones ID:** **ST-13189-09**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**2.3**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-1.5** **Jones ID:** **ST-13189-10**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	**16.9**	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**33.0**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-5** **Jones ID:** **ST-13189-11**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**4.6**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-10** **Jones ID:** **ST-13189-12**

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Arsenic, As	ND	1	I19011101	1/11/2019	1/12/2019	0.5	mg/kg
Lead, Pb	**3.3**	1	"	"	"	0.5	mg/kg

ND= Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/12/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

BATCH: **I19011101** **Prepared:** 1/11/2019 **Analyzed:** 1/12/2019

EPA 6010B by 3050 - Arsenic & Lead by ICP-OES

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
METHOD BLANK:	**I190111-MB1**						
Analytes:							
Arsenic, As	ND						mg/kg
Lead, Pb	ND						mg/kg
LCS:	**I190111-LCS1**						
Arsenic, As	**187**	200		94%		80-120	mg/kg
Lead, Pb	**47.2**	50.0		94%		80-120	mg/kg
LCSD:	**I190111-LCSD1**						
Arsenic, As	**190**	200		95%	**1.6%**	80-120	mg/kg
Lead, Pb	**48.2**	50.0		96%	**2.1%**	80-120	mg/kg
CCV:	**I190112-CCV1**						
Arsenic, As	**1.02**	1.00		102%		90-110	mg/L
Lead, Pb	**1.05**	1.00		105%		90-110	mg/L

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B4-1.5** **Jones ID:** **ST-13189-01**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	32%	30 - 120
Decachlorobiphenyl	42%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B4-5** **Jones ID:** **ST-13189-02**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	50%	30 - 120
Decachlorobiphenyl	80%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B4-10** **Jones ID:** **ST-13189-03**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	58%	30 - 120
Decachlorobiphenyl	96%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B3-1.5** **Jones ID:** **ST-13189-04**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	33%	30 - 120
Decachlorobiphenyl	41%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B3-5** **Jones ID:** **ST-13189-05**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	28%●	30 - 120
Decachlorobiphenyl	56%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B3-10** **Jones ID:** **ST-13189-06**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	58%	30 - 120
Decachlorobiphenyl	65%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B2-1.5** **Jones ID:** **ST-13189-07**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	71%	30 - 120
Decachlorobiphenyl	84%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B2-5** **Jones ID:** **ST-13189-08**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	26%●	30 - 120
Decachlorobiphenyl	65%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B2-10** **Jones ID:** **ST-13189-09**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	51%	30 - 120
Decachlorobiphenyl	82%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B1-1.5** **Jones ID:** **ST-13189-10**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	38%	30 - 120
Decachlorobiphenyl	50%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B1-5** **Jones ID:** **ST-13189-11**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	60%	30 - 120
Decachlorobiphenyl	75%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/14/19, 1/15/19
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **B1-10** **Jones ID:** **ST-13189-12**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011519_01	1/15/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	72%	30 - 120
Decachlorobiphenyl	83%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **Method Blank** **Jones ID:** **MB-011419_01**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081-011419_01	1/14/2019	1/15/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	77%	30 - 120
Decachlorobiphenyl	88%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

BATCH: **8081-011519_01** **Prepared:** 1/15/2019 **Analyzed:** 1/15/2019

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	LCS	LCSD	% RPD	Spike Level	% Recovery Limits	Units
	LCS-011519_01	**LCSD-011519_01**				
Analytes:						
β-BHC	**117**	**120**	3%	100	60 - 140	ppb
γ-Chlordane	**90.3**	**93.0**	3%	100	60 - 140	ppb
Aldrin	**87.6**	**90.3**	3%	100	60 - 140	ppb
4,4'-DDD	**88.7**	**91.8**	3%	100	60 - 140	ppb
4,4'-DDE	**89.1**	**91.4**	3%	100	60 - 140	ppb
4,4'-DDT	**90.0**	**92.3**	3%	100	60 - 140	ppb
Dieldrin	**94.1**	**96.4**	2%	100	60 - 140	ppb
Endosulfan I	**88.9**	**91.4**	3%	100	60 - 140	ppb
Endosulfan II	**94.4**	**98.4**	4%	100	60 - 140	ppb
Endrin	**93.0**	**95.1**	2%	100	60 - 140	ppb
Endrin ketone	**92.9**	**97.0**	4%	100	60 - 140	ppb
Heptachlor	**90.9**	**95.6**	5%	100	60 - 140	ppb
Heptachlor epoxide	**89.7**	**92.6**	3%	100	60 - 140	ppb
Surrogate Recoveries:						
TCMX	90%	93%			30 - 120	
Decachlorobiphenyl	95%	100%			30 - 120	

LCS= Laboratory Control Sample
LCSD= Laboratory Control Sample Duplicate
RPD = Relative Percent Difference

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

BATCH: **8081-011519_01** **Prepared:** 1/15/2019 **Analyzed:** 1/15/2019

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	Result	Spike Level	% Recovery	% Recovery Limits	Units
CCV:	**CCV-011419_01**				
Analytes:					
β-BHC	**132**	100	132%	80-120	ppb
γ-Chlordane	**95.6**	100	96%	80-120	ppb
Aldrin	**94.1**	100	94%	80-120	ppb
4,4'-DDD	**94.3**	100	94%	80-120	ppb
4,4'-DDE	**94.5**	100	95%	80-120	ppb
4,4'-DDT	**91.1**	100	91%	80-120	ppb
Dieldrin	**100**	100	100%	80-120	ppb
Endosulfan I	**94.8**	100	95%	80-120	ppb
Endosulfan II	**100**	100	100%	80-120	ppb
Endrin	**98.6**	100	99%	80-120	ppb
Endrin ketone	**99.2**	100	99%	80-120	ppb
Heptachlor	**94.0**	100	94%	80-120	ppb
Heptachlor epoxide	**95.1**	100	95%	80-120	ppb
Surrogate Recovery:					
TCMX	93%			30-120	
Decachlorobiphenyl	101%			30-120	

CCV= Continuing Calibration Verification

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

Sample ID: **Method Blank** **Jones ID:** **MB-011619_01**

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Aldrin	ND	1	8081_011619_01	1/16/2019	1/16/2019	10	µg/kg
α-BHC	ND	1	"	"	"	10	µg/kg
β-BHC	ND	1	"	"	"	10	µg/kg
γ-BHC (Lindane)	ND	1	"	"	"	10	µg/kg
δ-BHC	ND	1	"	"	"	10	µg/kg
γ-Chlordane	ND	1	"	"	"	10	µg/kg
α-Chlordane	ND	1	"	"	"	10	µg/kg
4,4'-DDD	ND	1	"	"	"	10	µg/kg
4,4'-DDE	ND	1	"	"	"	10	µg/kg
4,4'-DDT	ND	1	"	"	"	10	µg/kg
Dieldrin	ND	1	"	"	"	10	µg/kg
Endosulfan I	ND	1	"	"	"	10	µg/kg
Endosulfan II	ND	1	"	"	"	10	µg/kg
Endosulfan sulfate	ND	1	"	"	"	10	µg/kg
Endrin	ND	1	"	"	"	10	µg/kg
Endrin aldehyde	ND	1	"	"	"	10	µg/kg
Endrin ketone	ND	1	"	"	"	10	µg/kg
Heptachlor	ND	1	"	"	"	10	µg/kg
Heptachlor epoxide	ND	1	"	"	"	10	µg/kg
Methoxychlor	ND	1	"	"	"	20	µg/kg

Surrogate Recoveries:		QC Limits
TCMX	74%	30 - 120
Decachlorobiphenyl	86%	30 - 120

ND = Value less than reporting limit

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

BATCH: **8081_011619_01** **Prepared:** 1/16/2019 **Analyzed:** 1/16/2019

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	LCS	LCSD	% RPD	Spike Level	% Recovery Limits	Units
	LCS-011619_01	**LCSD-011619_01**				
Analytes:						
β-BHC	**115**	**119**	3%	100	60 - 140	ppb
γ-Chlordane	**89.0**	**92.1**	3%	100	60 - 140	ppb
Aldrin	**86.2**	**90.2**	5%	100	60 - 140	ppb
4,4'-DDD	**90.4**	**89.8**	1%	100	60 - 140	ppb
4,4'-DDE	**87.3**	**90.0**	3%	100	60 - 140	ppb
4,4'-DDT	**94.00**	**96.5**	3%	100	60 - 140	ppb
Dieldrin	**92.9**	**95.9**	3%	100	60 - 140	ppb
Endosulfan I	**87.7**	**90.7**	3%	100	60 - 140	ppb
Endosulfan II	**95.7**	**97.8**	2%	100	60 - 140	ppb
Endrin	**93.6**	**95.7**	2%	100	60 - 140	ppb
Endrin ketone	**94.4**	**98.1**	4%	100	60 - 140	ppb
Heptachlor	**90.5**	**95.8**	6%	100	60 - 140	ppb
Heptachlor epoxide	**88.4**	**91.9**	4%	100	60 - 140	ppb
Surrogate Recoveries:						
TCMX	86%	91%			30 - 120	
Decachlorobiphenyl	95%	99%			30 - 120	

LCS= Laboratory Control Sample
LCSD= Laboratory Control Sample Duplicate
RPD = Relative Percent Difference

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.2
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15,16/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA 90710	**Physical State:**	Soil

BATCH: **8081_011619_01** **Prepared:** 1/16/2019 **Analyzed:** 1/16/2019

EPA 8081A by 3546 – Chlorinated Pesticides by GC/ECD

	Result	Spike Level	% Recovery	% Recovery Limits	Units
CCV:	**CCV-011619_01**				
Analytes:					
β-BHC	**130**	100	130%	80-120	ppb
γ-Chlordane	**91.4**	100	91%	80-120	ppb
Aldrin	**90.0**	100	90%	80-120	ppb
4,4'-DDD	**90.8**	100	91%	80-120	ppb
4,4'-DDE	**89.8**	100	90%	80-120	ppb
4,4'-DDT	**90.5**	100	91%	80-120	ppb
Dieldrin	**94.9**	100	95%	80-120	ppb
Endosulfan I	**90.2**	100	90%	80-120	ppb
Endosulfan II	**95.0**	100	95%	80-120	ppb
Endrin	**94.2**	100	94%	80-120	ppb
Endrin ketone	**95.6**	100	96%	80-120	ppb
Heptachlor	**91.2**	100	91%	80-120	ppb
Heptachlor epoxide	**90.7**	100	91%	80-120	ppb
Surrogate Recovery:					
TCMX	86%			30-120	
Decachlorobiphenyl	90%			30-120	

CCV= Continuing Calibration Verification

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-1.5** **Jones ID:** **ST-13189-01**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	45%	30 - 120
Fluorene-D_{10}	38%	30 - 120
Pyrene-D_{10}	51%	30 - 120
Benz[a]anthracene-D12	53%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-5** **Jones ID:** **ST-13189-02**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	73%	30 - 120
Fluorene-D_{10}	66%	30 - 120
Pyrene-D_{10}	71%	30 - 120
Benz[a]anthracene-D12	74%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B4-10** **Jones ID:** **ST-13189-03**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	99%	30 - 120
Fluorene-D_{10}	84%	30 - 120
Pyrene-D_{10}	89%	30 - 120
Benz[a]anthracene-D12	84%	30 - 120

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-1.5** **Jones ID:** **ST-13189-04**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	82%	30 - 120
Fluorene-D_{10}	81%	30 - 120
Pyrene-D_{10}	91%	30 - 120
Benz[a]anthracene-D12	87%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-5** **Jones ID:** **ST-13189-05**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	78%	30 - 120
Fluorene-D_{10}	69%	30 - 120
Pyrene-D_{10}	75%	30 - 120
Benz[a]anthracene-D12	73%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B3-10** **Jones ID:** **ST-13189-06**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	77%	30 - 120
Fluorene-D_{10}	71%	30 - 120
Pyrene-D_{10}	71%	30 - 120
Benz[a]anthracene-D12	67%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-1.5** **Jones ID:** **ST-13189-07**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	66%	30 - 120
Fluorene-D_{10}	63%	30 - 120
Pyrene-D_{10}	67%	30 - 120
Benz[a]anthracene-D12	66%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-5** **Jones ID:** **ST-13189-08**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	92%	30 - 120
Fluorene-D_{10}	76%	30 - 120
Pyrene-D_{10}	76%	30 - 120
Benz[a]anthracene-D12	73%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B2-10** **Jones ID:** **ST-13189-09**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	96%	30 - 120
Fluorene-D_{10}	78%	30 - 120
Pyrene-D_{10}	79%	30 - 120
Benz[a]anthracene-D12	78%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-1.5** **Jones ID:** **ST-13189-10**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	34%	30 - 120
Fluorene-D_{10}	42%	30 - 120
Pyrene-D_{10}	57%	30 - 120
Benz[a]anthracene-D12	52%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-5** **Jones ID:** **ST-13189-11**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	65%	30 - 120
Fluorene-D_{10}	52%	30 - 120
Pyrene-D_{10}	69%	30 - 120
Benz[a]anthracene-D12	66%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **B1-10** **Jones ID:** **ST-13189-12**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-Methylnaphthalene-D_{10}	119%	30 - 120
Fluorene-D_{10}	98%	30 - 120
Pyrene-D_{10}	94%	30 - 120
Benz[a]anthracene-D12	89%	30 - 120

ND = Not Detected

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611
805-399-0060

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:** **Date Received:**	1/9/2019 1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

Sample ID: **METHOD BLANK** **Jones ID:** **8270P-011419-MB1**

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Dilution	Batch	Prepared	Analyzed	Reporting Limit	Units
Analytes:							
Naphthalene	ND	1	**8270P-011419-1**	**1/14/2019**	**1/15/2019**	20	µg/kg
2-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
1-Methylnaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthalene	ND	1	"	"	"	20	µg/kg
Acenaphthene	ND	1	"	"	"	20	µg/kg
Fluorene	ND	1	"	"	"	20	µg/kg
Phenanthrene	ND	1	"	"	"	20	µg/kg
Anthracene	ND	1	"	"	"	20	µg/kg
Fluoranthene	ND	1	"	"	"	20	µg/kg
Pyrene	ND	1	"	"	"	20	µg/kg
Benz[a]antrhacene	ND	1	"	"	"	20	µg/kg
Chrysene	ND	1	"	"	"	20	µg/kg
Benzo[b]/Benzo[k]fluoranthene	ND	1	"	"	"	40	µg/kg
Benzo[a]pyrene	ND	1	"	"	"	100	µg/kg
Indeno[1, 2, 3-cd]pyrene	ND	1	"	"	"	100	µg/kg
Dibenz[a, h]anthracene	ND	1	"	"	"	100	µg/kg
Benzo[g, h, i]pyrelene	ND	1	"	"	"	100	µg/kg

Surrogate Recoveries:		**QC Limits**
1-methylnaphthalene-D_{10}	102%	30 - 120
Fluorene-D_{10}	87%	30 - 120
Pyrene-D_{10}	91%	30 - 120
Benz[a]pyrene-D10	85%	30 - 120

ND = Not Detected

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**Jones Ref. No.:** **Client Ref. No.:**	ST-13189 18-226425.0
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
Project:	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway Harbor City, CA	**Physical State:**	Soil

BATCH: **8270P-011419-1** **Prepared:** 1/14/2019 **Analyzed:** 1/15/2019

EPA 8270C by 3546-PAH/PNA Compounds by GC/MS (SIM-Mode)

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	**8270P-011419-LCS1**						
Analytes:							
Naphthalene	**0.92**	1.00	ND	92%	**10%**	20 - 90	ng
Acenapthene	**0.76**	1.00	ND	76%	**25%**	20 - 90	ng
Pyrene	**0.83**	1.00	ND	83%	**10%**	30 - 120	ng
Benzo[a]pyrene	**0.90**	1.00	ND	90%	**9%**	30 - 120	ng
Surrogate Recoveries:							
1-Methylnaphthalene-D_{10}	99%					30 - 120	
Fluorene-D_{10}	89%					30 - 120	
Pyrene-D_{10}	90%					30 - 120	
Benz[a]anthracene-D12	90%					30 - 120	
LCSD:	**8270P-011419-LCSD1**						
Analytes:							
Naphthalene	**0.83**	1.00	ND	83%	**10%**	20 - 90	ng
Acenapthene	**0.59**	1.00	ND	59%	**25%**	20 - 90	ng
Pyrene	**0.75**	1.00	ND	75%	**10%**	30 - 120	ng
Benzo[a]pyrene	**0.82**	1.00	ND	82%	**9%**	30 - 120	ng
Surrogate Recovery:							
1-Methylnaphthalene-D_{10}	84%					30 - 120	
Fluorene-D_{10}	76%					30 - 120	
Pyrene-D_{10}	81%					30 - 120	
Benz[a]anthracene-D12	78%					30 - 120	

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 35%

ND = Not Detected

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SANTA FE SPRINGS, CA 90670
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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Science & Engineering	**Report date:**	1/18/2019
Client Address:	2154 Torrance Blvd., Suite 200	**Jones Ref. No.:**	ST-13189
	Torrance, CA	**Client Ref. No.:**	18-226425.0
Attn:	Samantha Fujita	**Date Sampled:**	1/9/2019
		Date Received:	1/10/2019
	Harbor City	**Date Analyzed:**	1/15/2019
Project Address:	1268 Pacific Coast Highway	**Physical State:**	Soil
	Harbor City, CA		

EPA 8270C by 3546 – Semivolatile Organics by GC/MS

	Result	Expected	%Deviation	Acceptable Deviation	Pass/Fail
CCV:	**8270P-011419-CCV1**				
Analytes:					
Naphthalene	**0.98**	1.00	**2%**	25%	PASS
2-Methylnaphthalene	**0.86**	1.00	**14%**	20%	PASS
1-Methylnaphthalene	**0.98**	1.00	**2%**	20%	PASS
Acenaphthalene	**0.95**	1.00	**5%**	20%	PASS
Acenaphthene	**0.84**	1.00	**16%**	20%	PASS
Fluorene	**1.01**	1.00	**1%**	25%	PASS
Phenanthrene	**1.05**	1.00	**5%**	25%	PASS
Anthracene	**1.00**	1.00	**0%**	25%	PASS
Fluoranthene	**1.04**	1.00	**4%**	25%	PASS
Pyrene	**1.03**	1.00	**3%**	25%	PASS
Benz[a]antrhacene	**0.92**	1.00	**8%**	25%	PASS
Chrysene	**0.95**	1.00	**5%**	25%	PASS
Benzo[b]/Benzo[k]fluoranthene	**2.24**	2.00	**12%**	30%	PASS
Benzo[a]pyrene	**0.98**	1.00	**2%**	25%	PASS
Indeno[1, 2, 3-cd]pyrene	**1.39**	1.00	**39%**	40%	PASS
Dibenz[a, h]anthracene	**0.81**	1.00	**19%**	40%	PASS
Benzo[g, h, i]pyrelene	**0.93**	1.00	**7%**	40%	PASS

Chain-of-Custody Record

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
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Jones Project # ST-13189

Page 1 of 2

Sample Condition as Recieved:
Chilled □ yes □ no
Sealed □ yes □ no

Client	PARTNER ENGINEERING
Project Name	Harbor City
Project Address	1268 PCH Harbor City, CA 90710
Email	mbullivant@Partnereesi.com
Phone	310-977-4625
Report To	Sam F.
Sampler	Mark B.
Date	1-9-19
Client Project #	18-226425.2

Turn Around Requested:
□ Immediate Attention
□ ~~Rush 24 Hours~~
□ Rush 48 Hours
□ Rush 72 Hours
X Normal

Report Options
EDD ____
~~EDF* - 10% Surcharge~~ ____
*Global ID ____

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve
SS - Stainless Steel Sleeve
BS - Brass Sleeve
G - Glass
AB - Amber Bottle
P - Plastic
SOBI - Sodium Bisulfate
MeOH - Methanol
HCl - Hydrochloric Acid
HNO3 - Nitric Acid
O - Other (See Notes)

Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	TPH-cc 8015	PAHs 8270	OCPs 8081	Lead / Arsenic 6010	Hold	Number of Containers	Notes & Special Instructions
B4-1.5	1/9/19	10:30	ST-13189-01		SLEEV VOAs	S	X	X	X	X			
B4-5		10:35	ST-13189-02				X	X	X	X			
B4-10		10:40	ST-13189-03				X	X	X	X			
B3-1.5		10:50	ST-13189-04				X	X	X	X			
B3-5		10:55	ST-13189-05				X	X	X	X			
B3-10		11:00	ST-13189-06				X	X	X	X			
B2-1.5		11:15	ST-13189-07				X	X	X	X			
B2-5		11:20	ST-13189-08				X	X	X	X			
B2-10		11:30	ST-13189-09				X	X	X	X			
B1-1.5		12:27	ST-13189-10				X	X	X	X			

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name
	Mark B.		J Watkins
Company	Date / Time	Company	Date / Time
		JEL	1/10 1220
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name
	J Watkins		
Company	Date: / Time	Company	Date / Time
JEL	1/10 1435		

Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

Chain-of-Custody Record

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
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www.jonesenv.com

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Jones Project # ST-13189

Page 2 of 2

Sample Condition as Recieved:
Chilled □ yes □ no
Sealed □ yes □ no

Client	Partner Engineering
Project Name	Harbor City
Project Address	1268 PCH Harbor City, CA 90710
Email	mbullivant@Partnereesi.com
Phone	310-977-4625
Report To	Sam F.
Sampler	Mark B
Date	1-9-19
Client Project #	18-226425.2

Turn Around Requested:
- □ Immediate Attention
- □ ~~Rush 24 Hours~~
- □ Rush 48 Hours
- □ Rush 72 Hours
- X Normal

Report Options
EDD ____
EDF* - ~~10% Surcharge~~ ____
*Global ID ____

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve
SS - Stainless Steel Sleeve
BS - Brass Sleeve
G - Glass
AB - Amber Bottle
P - Plastic
SOBI - Sodium Bisulfate
MeOH - Methanol
HCl - Hydrochloric Acid
HNO3 - Nitric Acid
O - Other (See Notes)

Analysis Requested

Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	TPH-cc 8015	VOCs 8270	OCPs 8081	Lead/Arsenic 6010	Hold	Number of Containers	Notes & Special Instructions
B1-5	1/9/19	12:28	ST-13189-11		SLEEV VOAs	S	X	X	X	X			
B1-10	"	12:30	ST-13189-12		"	"	X	X	X	X			

Relinquished By (Signature)	**Printed Name** Mark B.	**Received By (Signature)**	**Printed Name** J Watkins
Company	**Date** **Time**	**Company** JEL	**Date** 1/10 **Time** 1220
Relinquished By (Signature)	**Printed Name** J Watkins	**Received By Laboratory (Signature)**	**Printed Name**
Company JEL	**Date** 1/10 **Time** 1435	**Company**	**Date** **Time**

Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

1268 PCH Harbor City
1268 Pacific Coast Highway
Harbor City, CA 90710

Inquiry Number: 5420394.2s
September 11, 2018

The EDR Radius Map™ Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1268 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

COORDINATES

Latitude (North):	33.7885730 - 33˚ 47' 18.86''
Longitude (West):	118.2990300 - 118˚ 17' 56.50''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	379734.3
UTM Y (Meters):	3739278.2
Elevation:	43 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5633779 TORRANCE, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1268 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	HARBOR CITY HIGH PER	1313 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO	Higher	69, 0.013, North
A2	INDEPENDENT DATSUN A	1313 W PACIFIC COAST	HIST UST	Higher	69, 0.013, North
A3	INDEPENDENT DATSUN &	1313 W PCH	RCRA-SQG, HIST UST, FINDS, ECHO, HAZNET	Higher	69, 0.013, North
A4	FRANK COLETTO FORD I	1241 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	96, 0.018, NNE
A5	FRANK COLETTO FORD I	1241 W PACIFIC COAST	SWEEPS UST, EMI	Higher	96, 0.018, NNE
A6	JOHNS TRANSMISSIONS	1242 PACIFIC COAST H	EDR Hist Auto	Higher	118, 0.022, NNE
A7	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	187, 0.035, NNE
A8	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	187, 0.035, NNE
A9	SUPERIEOR CLEANERS	1210 PACIFIC COAST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	187, 0.035, NNE
A10	SUPERIOR CLEANERS	1210 PACIFIC COAST H	EDR Hist Cleaner	Higher	187, 0.035, NNE
A11	SUPERIOR CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	187, 0.035, NNE
A12	J & L CLEANERS	1210 PACIFIC COAST H	DRYCLEANERS	Higher	187, 0.035, NNE
13	101 DISPOSAL COMPANY	25875 SOUTH NORMANDI	WMUDS/SWAT, LDS	Lower	192, 0.036, ESE
A14	TILLACK & CO LTD	1325 PCH	RCRA-SQG, FINDS, ECHO	Higher	253, 0.048, NW
15	MIKES & MAXS	25853 FRAMPTON	RCRA-SQG, FINDS, ECHO	Lower	261, 0.049, West
B16	DISTRIBUTING STATION	25923 FRAMPTON AVE	AST	Lower	286, 0.054, SW
B17	F M F RACING INC	25927 FRAMPTON AVE	RCRA NonGen / NLR, FINDS, ECHO, HAZNET	Lower	288, 0.055, SW
A18	PEP BOYS #0851	1315 PACIFIC COAST	RCRA-CESQG	Higher	335, 0.063, NNW
C19	FRANK COLETTO FORD I	1205 W PACIFIC COAST	SWEEPS UST	Higher	420, 0.080, NNE
C20	WOOD JAMES C TEXACO	1205 W PACIFIC COAST	EDR Hist Auto	Higher	420, 0.080, NNE
D21	KAISER HOSPITAL	25875 S NORMANDIE AV	SWEEPS UST, LA Co. Site Mitigation	Higher	424, 0.080, ESE
C22	RITE AID #6413	1207 PACIFIC COAST H	RCRA-CESQG, HAZNET	Higher	436, 0.083, NNE
D23	101 DISPOSAL COMPANY	25965 S NORMANDIE AV	SWF/LF	Higher	451, 0.085, SE
B24	MICREE CORP	25930 BELLE PORTE AV	RCRA-SQG, FINDS, ECHO	Higher	500, 0.095, SW
E25	PACIFIC YAMAHA	1358 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO, HAZNET	Lower	524, 0.099, WNW
F26	PUREX CORP B&W CHEM	25920 BELLE PORTE AV	SEMS-ARCHIVE	Higher	558, 0.106, WSW
F27	PUREX CORP - B&W CHE	25920 BELLE PORTE AV	ENVIROSTOR, SWEEPS UST, HIST UST, EMI	Higher	558, 0.106, WSW
F28	PACIFIC AUTO CTR	25840 BELLEPORTE	RCRA-SQG, FINDS, ECHO	Higher	573, 0.109, West
C29	UNION OIL SERVICE ST	1150 WEST PACIFIC CO	HIST UST	Higher	575, 0.109, NE
C30	CIRCLE K STORE #5619	1150 W PACIFIC COAST	UST	Higher	575, 0.109, NE
C31	CIRCLE K STORES INC.	1150 PACIFIC COAST H	UST	Higher	575, 0.109, NE
C32	76 PRODUCTS STATION	1150 PACIFIC COAST H	LUST, HIST CORTESE	Higher	575, 0.109, NE
C33	UNOCAL SERVICE STATI	1150 W PACIFIC COAST	HIST UST, HAZNET	Higher	575, 0.109, NE
C34	K KIM'S UNION STATIO	1150 W PACIFIC COAST	SWEEPS UST	Higher	575, 0.109, NE
C35	KIMS UNION	1150 PACIFIC COAST H	EDR Hist Auto	Higher	575, 0.109, NE
C36	SERVICE STATION 2446	1150 PACIFIC COAST H	HIST UST	Higher	575, 0.109, NE
G37	JACK WOOD PLUMBING I	25841 BELLE PORTE AV	SWEEPS UST	Higher	686, 0.130, West
E38	TRIWEST DISTRIBUTORS	1401 PACIFIC COAST H	UST	Higher	729, 0.138, WNW
E39	GARY ANDERSON	1401 W PACIFIC COAST	SWEEPS UST	Higher	729, 0.138, WNW

MAPPED SITES SUMMARY

Target Property Address:
1268 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F40	BACK DOOR PRODUCTION	1416 W 259TH STREET	RCRA-SQG, FINDS, ECHO	Higher	747, 0.141, WSW
H41	MR DRYCLEAN	1111 W PACIFIC COAST	DRYCLEANERS	Higher	785, 0.149, NE
F42	SPACEONICS INDUSTRIE	1429 W 259TH ST	RCRA-SQG, FINDS, ECHO	Higher	805, 0.152, West
G43	DIRO ALFA ROMEO	1414 W PACIFIC COAST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	811, 0.154, WNW
G44	DIRO KG INC	1414 PACIFIC COAST H	SWEEPS UST	Higher	811, 0.154, WNW
I45	CITY INDUSTRIAL TOOL	25524 FRAMPTON	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	830, 0.157, North
I46	DE CUIR MACH INC	25520 FRAMPTON AVE	RCRA-SQG, FINDS, ECHO	Lower	868, 0.164, North
J47	H & H CUSTOM BODY	25603 S NORMANDIE	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	869, 0.165, NNE
H48	MR DRY CLEAN	1111 PCH UNIT 8	RCRA-SQG, FINDS, ECHO	Higher	885, 0.168, NE
J49	HARBOR IMP CAR CARE	25601 NORMANDIE	RCRA-SQG, FINDS, ECHO	Higher	907, 0.172, NNE
50	K & S RUBBISH	26300 SOUTH VERMONT	WMUDS/SWAT	Lower	910, 0.172, SE
51	BAY MARINE	1400 W 260TH ST	SWEEPS UST, CA FID UST	Higher	920, 0.174, SW
I52	MOTORSPORT TECHOLOGY	25518 FRAMPTON	RCRA NonGen / NLR, FINDS, ECHO	Higher	928, 0.176, North
J53	FIBRE GLASS FIN CO	1223 W 256TH ST	RCRA-SQG, HAZNET	Higher	972, 0.184, NNE
K54	KAISER PERMANENTE ME	25825 S VERMONT AVE	ENVIROSTOR, HIST UST, FINDS, EMI, LA Co. Site...	Lower	974, 0.184, East
K55	KAISER PERMANENTE SO	25825 S VERMONT AVE	RCRA-LQG, PADS	Lower	974, 0.184, East
56	SILVER STAR MERCEDES	1433 PACIFIC COAST H	RCRA-SQG, FINDS, ECHO	Higher	1004, 0.190, WNW
J57	JAMES J LIPPEN	25517 S NORMANDIE AV	SWEEPS UST	Higher	1057, 0.200, NNE
58	MTEC	2551 FRAMPTON	RCRA-SQG, FINDS, ECHO	Higher	1119, 0.212, NNW
59	LA CITY HOUSING AUTH	990 W 256 ST	RCRA-SQG, FINDS, ECHO	Higher	1203, 0.228, NE
60	KAISER PERMANENTE	25965 S NORMANDIE AV	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1252, 0.237, SSE
61	ACCU-COAT PROCESS CO	1233 W 255 ST	RCRA-SQG, FINDS, ECHO	Higher	1267, 0.240, NNE
62	E C M INC	1515 W 259TH ST	RCRA-SQG, FINDS, ECHO, HAZNET	Higher	1275, 0.241, West
63	COLLIER CARBON & CHE	1480 ANAHEIM	HIST CORTESE	Higher	1465, 0.277, SSW
L64	TALENT METAL PRODUCT	1234 W 254TH ST	RCRA-SQG, LUST, HIST UST	Higher	1524, 0.289, North
65	TRANS WORLD OIL CORP	1532 ANAHEIM	HIST CORTESE	Higher	1589, 0.301, SW
66	MACHADO LAKE	25820 VERMONT AVENUE	ENVIROSTOR, VCP	Lower	1599, 0.303, SSE
L67	BUMPERLINE/SABEMA	1234 W. 254TH STREET	ENVIROSTOR	Higher	1624, 0.308, North
68	K&S RUBBISH AKA KEN	ANAHEIM ST. NEAR VER	SWF/LF	Higher	1655, 0.313, SSE
M69	KAISER FONDATION HOS	25825 SOUTH VERMONT	LUST, CPS-SLIC, NPDES, CIWQS	Lower	1698, 0.322, ENE
M70	HARBOR CITY MEDICAL	25825 VERMONT AVE.	LUST	Lower	1698, 0.322, ENE
71	WILMINGTON TOWN LOT	BAYVIEW AVE	CPS-SLIC	Lower	1708, 0.323, NE
72	GVW INVESTMENTS	1030 PACIFIC COAST H	LUST, SWEEPS UST	Lower	1833, 0.347, ENE
73	UNOCAL #2121	26393 VERMONT AVE S	LUST, HIST CORTESE	Higher	1890, 0.358, South
N74	C-BRITE METAL FINISH	1213 W 253RD ST	ENVIROSTOR	Higher	1967, 0.373, North
N75	C-BRITE METAL FINISH	1213 W 25 3RD ST	SEMS-ARCHIVE, CORRACTS, RCRA-TSDF, RCRA-SQG, HIST	Higher	1967, 0.373, North
N76	A-1 MATERIALS	23003 MARIPOSA AVE S	LUST	Higher	1995, 0.378, North
77	ACTA PARCEL PCH-1536	1634-1636 PACIFIC CO	CPS-SLIC	Higher	1997, 0.378, West
O78	TEXACO	1625 ANAHEIM	HIST CORTESE	Higher	2072, 0.392, WSW

MAPPED SITES SUMMARY

Target Property Address:
1268 PACIFIC COAST HIGHWAY
HARBOR CITY, CA 90710

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
79	LOS ANGELES FIRE STA	1331 W 253RD ST	LUST, SWEEPS UST	Higher	2076, 0.393, North
O80	UNOCAL - TOSCO LOS A	1660 ANAHEIM	CPS-SLIC	Higher	2250, 0.426, WSW
O81	L.A. REFINERY, WILMI	1660 ANAHEIM	HIST CORTESE	Higher	2323, 0.440, WSW
O82	UNION OIL CO (1)	1660 ANAHEIM	HIST CORTESE	Higher	2323, 0.440, WSW
83	RAPID GAS #51	909 PACIFIC COAST HW	LUST, HAZNET, HIST CORTESE	Lower	2492, 0.472, ENE
84	GAFFERY AND ANAHEIM	SE OF GAFFEY ST & AN	WMUDS/SWAT	Higher	2516, 0.477, SSE
P85	SHELL SERVICES STATI	1695 PACIFIC COAST H	LUST, HIST CORTESE	Higher	2518, 0.477, West
P86	SHELL SERVICES STATI	1695 PACIFIC COAST H	LUST	Higher	2518, 0.477, West
P87	CHEVRON #9-1267	25800 WESTERN AVE	LUST, HIST CORTESE	Higher	2537, 0.480, West
88	PROPOSED ROLLING HIL	300 A PASEO DEL MAR	ENVIROSTOR, SCH	Higher	2978, 0.564, SSW
89	BAY HARBOR HOSPITAL,	1437 W LOMITA BLVD	SWEEPS UST, HWP	Higher	3382, 0.641, NNW
Q90	DEFENSE FUEL SUPPLY	3171 NORTH GAFFEY ST	RESPONSE, ENVIROSTOR, HIST UST, CHMIRS	Lower	3558, 0.674, SSE
Q91	SAN PEDRO DEFENSE FU	3171 GAFFEY STREET	HIST Cal-Sites, CHMIRS, MCS, HIST CORTESE, NPDES,...	Lower	3558, 0.674, SSE
R92	PHILLIPS 66 - LOS AN	1660 WEST ANAHEIM ST	CORRACTS, RCRA-TSDF, RCRA-LQG, US FIN ASSUR, 2020..	Lower	4649, 0.880, SE
R93	PHILLIPS 66 CO LOS A	1660 W ANAHEIM ST	ENVIROSTOR, CPS-SLIC, CHMIRS, EMI, ICE, HWP, NPDES	Lower	4649, 0.880, SE
94	ABANDONED OIL WELL S	24509 FRAMPTON AVE	ENVIROSTOR, CPS-SLIC	Higher	4769, 0.903, North

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ---------- Recycler Database
HAULERS ---------- Registered Waste Tire Haulers Listing
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

AOCONCERN ---------- San Gabriel Valley Areas of Concern
US HIST CDL ---------- Delisted National Clandestine Laboratory Register
SCH ---------- School Property Evaluation Program
CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
US CDL ---------- National Clandestine Laboratory Register
CERS HAZ WASTE ---------- CERS HAZ WASTE

Local Lists of Registered Storage Tanks

CERS TANKS ---------- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---------- Environmental Liens Listing
LIENS 2 ---------- CERCLA Lien Information
DEED ---------- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---------- Hazardous Materials Information Reporting System
CHMIRS ---------- California Hazardous Material Incident Report System
LDS ---------- Land Disposal Sites Listing
MCS ---------- Military Cleanup Sites Listing
SPILLS 90 ---------- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---------- Formerly Used Defense Sites
DOD ---------- Department of Defense Sites
SCRD DRYCLEANERS ---------- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---------- Financial Assurance Information

EXECUTIVE SUMMARY

EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)

OTHER OIL GAS ---------- OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS ------ PROD WATER PONDS (GEOTRACKER)
PROJECT ---------- PROJECT (GEOTRACKER)
CERS ---------- CERS
UIC GEO ---------- UIC GEO (GEOTRACKER)
MILITARY PRIV SITES ------- MILITARY PRIV SITES (GEOTRACKER)
CIWQS ---------- California Integrated Water Quality System
WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
SAMPLING POINT ---------- SAMPLING POINT (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/17/2018 has revealed that there

are 2 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREX CORP B&W CHEM Site ID: 0901808 EPA Id: CAD980636419	25920 BELLE PORTE AV	WSW 0 - 1/8 (0.106 mi.)	F26	48
C-BRITE METAL FINISH Site ID: 0900357 EPA Id: CAD045520996	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.373 mi.)***	***N75***	***141***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH EPA ID:: CAD045520996	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.373 mi.)***	***N75***	***141***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PHILLIPS 66 - LOS AN EPA ID:: CAD008237679	***1660 WEST ANAHEIM ST***	***SE 1/2 - 1 (0.880 mi.)***	***R92***	***223***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH EPA ID:: CAD045520996	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.373 mi.)***	***N75***	***141***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER PERMANENTE SO EPA ID:: CAD981396716	***25825 S VERMONT AVE***	***E 1/8 - 1/4 (0.184 mi.)***	***K55***	***91***

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 24 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARBOR CITY HIGH PER EPA ID:: CAD982050056	***1313 PACIFIC COAST H***	***N 0 - 1/8 (0.013 mi.)***	***A1***	***8***
INDEPENDENT DATSUN & EPA ID:: CAD982041816	***1313 W PCH***	***N 0 - 1/8 (0.013 mi.)***	***A3***	***10***
FRANK COLETTO FORD I EPA ID:: CAD981691751	***1241 PACIFIC COAST H***	***NNE 0 - 1/8 (0.018 mi.)***	***A4***	***14***
SUPERIEOR CLEANERS EPA ID:: CAD981641632	***1210 PACIFIC COAST***	***NNE 0 - 1/8 (0.035 mi.)***	***A9***	***20***
TILLACK & CO LTD EPA ID:: CAD981442114	***1325 PCH***	***NW 0 - 1/8 (0.048 mi.)***	***A14***	***25***
MICREE CORP EPA ID:: CAD079625950	***25930 BELLE PORTE AV***	***SW 0 - 1/8 (0.095 mi.)***	***B24***	***44***
PACIFIC AUTO CTR EPA ID:: CAD981445802	***25840 BELLEPORTE***	***W 0 - 1/8 (0.109 mi.)***	***F28***	***51***
BACK DOOR PRODUCTION EPA ID:: CAD981674625	***1416 W 259TH STREET***	***WSW 1/8 - 1/4 (0.141 mi.)***	***F40***	***65***
SPACEONICS INDUSTRIE EPA ID:: CAD982358244	***1429 W 259TH ST***	***W 1/8 - 1/4 (0.152 mi.)***	***F42***	***67***
DIRO ALFA ROMEO EPA ID:: CAD981445745	***1414 W PACIFIC COAST***	***WNW 1/8 - 1/4 (0.154 mi.)***	***G43***	***68***
CITY INDUSTRIAL TOOL EPA ID:: CAR000103374	***25524 FRAMPTON***	***N 1/8 - 1/4 (0.157 mi.)***	***I45***	***72***
H & H CUSTOM BODY	***25603 S NORMANDIE***	***NNE 1/8 - 1/4 (0.165 mi.)***	***J47***	***76***

EPA ID:: CAD982495517				
MR DRY CLEAN	***1111 PCH UNIT 8***	***NE 1/8 - 1/4 (0.168 mi.)***	***H48***	***78***
EPA ID:: CAD983615956				
HARBOR IMP CAR CARE	***25601 NORMANDIE***	***NNE 1/8 - 1/4 (0.172 mi.)***	***J49***	***80***
EPA ID:: CAD981684111				
FIBRE GLASS FIN CO	***1223 W 256TH ST***	***NNE 1/8 - 1/4 (0.184 mi.)***	***J53***	***85***
EPA ID:: CAD981620107				
SILVER STAR MERCEDES	***1433 PACIFIC COAST H***	***WNW 1/8 - 1/4 (0.190 mi.)***	***56***	***96***
EPA ID:: CAD981444912				
MTEC	***2551 FRAMPTON***	***NNW 1/8 - 1/4 (0.212 mi.)***	***58***	***98***
EPA ID:: CAD981676836				
LA CITY HOUSING AUTH	***990 W 256 ST***	***NE 1/8 - 1/4 (0.228 mi.)***	***59***	***99***
EPA ID:: CAD981690373				
KAISER PERMANENTE	***25965 S NORMANDIE AV***	***SSE 1/8 - 1/4 (0.237 mi.)***	***60***	***101***
EPA ID:: CAR000044842				
ACCU-COAT PROCESS CO	***1233 W 255 ST***	***NNE 1/8 - 1/4 (0.240 mi.)***	***61***	***104***
EPA ID:: CAT000611012				
E C M INC	***1515 W 259TH ST***	***W 1/8 - 1/4 (0.241 mi.)***	***62***	***106***
EPA ID:: CAD982019697				

Lower Elevation	Address	Direction / Distance	Map ID	Page
MIKES & MAXS	***25853 FRAMPTON***	***W 0 - 1/8 (0.049 mi.)***	***15***	***27***
EPA ID:: CAD982048134				
PACIFIC YAMAHA	***1358 PACIFIC COAST H***	***WNW 0 - 1/8 (0.099 mi.)***	***E25***	***46***
EPA ID:: CAR000091116				
DE CUIR MACH INC	***25520 FRAMPTON AVE***	***N 1/8 - 1/4 (0.164 mi.)***	***I46***	***75***
EPA ID:: CAD982349938				

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PEP BOYS #0851	1315 PACIFIC COAST	NNW 0 - 1/8 (0.063 mi.)	A18	31
EPA ID:: CAR000275917				
RITE AID #6413	***1207 PACIFIC COAST H***	***NNE 0 - 1/8 (0.083 mi.)***	***C22***	***34***
EPA ID:: CAR000212811				

State- and tribal - equivalent NPL

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DEFENSE FUEL SUPPLY	***3171 NORTH GAFFEY ST***	***SSE 1/2 - 1 (0.674 mi.)***	***Q90***	***188***
Database: RESPONSE, Date of Government Version: 07/30/2018 Status: Active Facility Id: 19970007				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/30/2018 has revealed that there are 9 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PUREX CORP - B&W CHE Facility Id: 19280127 Status: Refer: Other Agency	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.106 mi.)***	***F27***	***49***
BUMPERLINE/SABEMA Facility Id: 71003661 Status: Refer: RWQCB	1234 W. 254TH STREET	N 1/4 - 1/2 (0.308 mi.)	L67	120
C-BRITE METAL FINISH Facility Id: 80001391 Status: No Action Required	1213 W 253RD ST	N 1/4 - 1/2 (0.373 mi.)	N74	139
PROPOSED ROLLING HIL Facility Id: 60000143 Status: Inactive - Needs Evaluation	***300 A PASEO DEL MAR***	***SSW 1/2 - 1 (0.564 mi.)***	***88***	***185***
ABANDONED OIL WELL S Facility Id: 19130095 Status: Refer: Other Agency	***24509 FRAMPTON AVE***	***N 1/2 - 1 (0.903 mi.)***	***94***	***396***

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER PERMANENTE ME	***25825 S VERMONT AVE***	***E 1/8 - 1/4 (0.184 mi.)***	***K54***	***88***

Facility Id: 71002808
Status: Refer: Other Agency

MACHADO LAKE	***25820 VERMONT AVENUE***	***SSE 1/4 - 1/2 (0.303 mi.)***	***66***	***113***
Facility Id: 60001470 Status: Active				
DEFENSE FUEL SUPPLY	***3171 NORTH GAFFEY ST***	***SSE 1/2 - 1 (0.674 mi.)***	***Q90***	***188***
Facility Id: 19970007 Facility Id: 19970012 Facility Id: 71003599 Status: Active Status: Refer: RWQCB Status: Refer: Other Agency				
PHILLIPS 66 CO LOS A	***1660 W ANAHEIM ST***	***SE 1/2 - 1 (0.880 mi.)***	***R93***	***356***
Facility Id: 19280289 Facility Id: 71002152 Facility Id: 80001531 Status: Refer: RCRA Status: Refer: Other Agency Status: Refer: RWQCB				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there are 2 SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
101 DISPOSAL COMPANY Database: SWF/LF (SWIS), Date of Government Version: 08/08/2018 Facility ID: 19-AR-5137	25965 S NORMANDIE AV	SE 0 - 1/8 (0.085 mi.)	D23	43
K&S RUBBISH AKA KEN Database: SWF/LF (SWIS), Date of Government Version: 08/08/2018 Facility ID: 19-AR-5154	ANAHEIM ST. NEAR VER	SSE 1/4 - 1/2 (0.313 mi.)	68	122

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 12 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 06/11/2018	***1150 PACIFIC COAST H***	***NE 0 - 1/8 (0.109 mi.)***	***C32***	***54***

Status: Completed - Case Closed
Facility Id: 907100116
Status: Case Closed
Global Id: T0603743580
Global Id: T0603701596
Global ID: T0603701596

TALENT METAL PRODUCT ***1234 W 254TH ST*** ***N 1/4 - 1/2 (0.289 mi.)*** ***L64*** ***109***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T10000003267

UNOCAL #2121 ***26393 VERMONT AVE S*** ***S 1/4 - 1/2 (0.358 mi.)*** ***73*** ***137***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: 907100061
Status: Case Closed
Global Id: T0603701592
Global ID: T0603701592

A-1 MATERIALS 23003 MARIPOSA AVE S N 1/4 - 1/2 (0.378 mi.) N76 154
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: I-21513
Status: Case Closed
Global Id: T0603704477
Global ID: T0603704477

LOS ANGELES FIRE STA ***1331 W 253RD ST*** ***N 1/4 - 1/2 (0.393 mi.)*** ***79*** ***157***
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Global Id: T0603730647

SHELL SERVICES STATI ***1695 PACIFIC COAST H*** ***W 1/4 - 1/2 (0.477 mi.)*** ***P85*** ***176***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: 907100089
Status: Case Closed
Global Id: T0603701594
Global Id: T0603787937
Global ID: T0603701594

SHELL SERVICES STATI 1695 PACIFIC COAST H W 1/4 - 1/2 (0.477 mi.) P86 182
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 907100089A
Status: Remediation Plan
Global ID: T0603787937

CHEVRON #9-1267 ***25800 WESTERN AVE*** ***W 1/4 - 1/2 (0.480 mi.)*** ***P87*** ***183***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: 907100070
Status: Case Closed
Global Id: T0603701593
Global ID: T0603701593

Lower Elevation	Address	Direction / Distance	Map ID	Page

KAISER FONDATION HOS ***25825 SOUTH VERMONT*** ***ENE 1/4 - 1/2 (0.322 mi.)*** ***M69*** ***122***
Database: LUST, Date of Government Version: 06/11/2018

Status: Completed - Case Closed
Global Id: T0603797590

HARBOR CITY MEDICAL — 25825 VERMONT AVE. — ENE 1/4 - 1/2 (0.322 mi.) — M70 — 131
Database: LUST REG 4, Date of Government Version: 09/07/2004
Facility Id: 907100161
Status: Leak being confirmed
Global ID: T0603797590

GVW INVESTMENTS — ***1030 PACIFIC COAST H*** — ***ENE 1/4 - 1/2 (0.347 mi.)*** — ***72*** — ***134***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: 907440116
Status: Case Closed
Global Id: T0603701657
Global ID: T0603701657

RAPID GAS #51 — ***909 PACIFIC COAST HW*** — ***ENE 1/4 - 1/2 (0.472 mi.)*** — ***83*** — ***160***
Database: LUST REG 4, Date of Government Version: 09/07/2004
Database: LUST, Date of Government Version: 06/11/2018
Status: Completed - Case Closed
Facility Id: 907100052
Status: Remediation Plan
Global Id: T0603701591
Global ID: T0603701591

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTA PARCEL PCH-1536	1634-1636 PACIFIC CO	W 1/4 - 1/2 (0.378 mi.)	77	156
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: SL0603735364				
UNOCAL - TOSCO LOS A	1660 ANAHEIM	WSW 1/4 - 1/2 (0.426 mi.)	O80	159
Database: SLIC REG 4, Date of Government Version: 11/17/2004 Facility Status: Remediation				

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER FONDATION HOS	***25825 SOUTH VERMONT***	***ENE 1/4 - 1/2 (0.322 mi.)***	***M69***	***122***
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: T10000001213				
WILMINGTON TOWN LOT	BAYVIEW AVE	NE 1/4 - 1/2 (0.323 mi.)	71	132
Database: CPS-SLIC, Date of Government Version: 06/11/2018 Facility Status: Completed - Case Closed Global Id: SLT43399397				

Global Id: SLT43424422
Global Id: SLT43405403
Global Id: SLT43417415
Global Id: SLT43418416
**Additional key fields are available in the Map Findings section*

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CIRCLE K STORE #5619 Database: UST, Date of Government Version: 06/11/2018	1150 W PACIFIC COAST	NE 0 - 1/8 (0.109 mi.)	C30	54
CIRCLE K STORES INC. Database: UST, Date of Government Version: 06/11/2018 Facility Id: LACt Facility Id: 24181	1150 PACIFIC COAST H	NE 0 - 1/8 (0.109 mi.)	C31	54
TRIWEST DISTRIBUTORS Database: UST, Date of Government Version: 06/11/2018 Facility Id: 25480	1401 PACIFIC COAST H	WNW 1/8 - 1/4 (0.138 mi.)	E38	64

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DISTRIBUTING STATION Database: AST, Date of Government Version: 07/06/2016	25923 FRAMPTON AVE	SW 0 - 1/8 (0.054 mi.)	B16	28

State and tribal voluntary cleanup sites

VCP: Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

A review of the VCP list, as provided by EDR, and dated 07/30/2018 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MACHADO LAKE	***25820 VERMONT AVENUE***	***SSE 1/4 - 1/2 (0.303 mi.)***	***66***	***113***

Status: Active
Facility Id: 60001470

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 3 WMUDS/SWAT sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GAFFERY AND ANAHEIM	SE OF GAFFEY ST & AN	SSE 1/4 - 1/2 (0.477 mi.)	84	174

Lower Elevation	Address	Direction / Distance	Map ID	Page
101 DISPOSAL COMPANY	***25875 SOUTH NORMANDI***	***ESE 0 - 1/8 (0.036 mi.)***	***13***	***24***
K & S RUBBISH	26300 SOUTH VERMONT	SE 1/8 - 1/4 (0.172 mi.)	50	82

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SAN PEDRO DEFENSE FU	***3171 GAFFEY STREET***	***SSE 1/2 - 1 (0.674 mi.)***	***Q91***	***207***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 10 SWEEPS UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRANK COLETTO FORD I Comp Number: 5475	***1241 W PACIFIC COAST***	***NNE 0 - 1/8 (0.018 mi.)***	***A5***	***17***
FRANK COLETTO FORD I	1205 W PACIFIC COAST	NNE 0 - 1/8 (0.080 mi.)	C19	33

Comp Number: 4752				
KAISER HOSPITAL Status: A Comp Number: 6737	***25875 S NORMANDIE AV***	***ESE 0 - 1/8 (0.080 mi.)***	***D21***	***34***
PUREX CORP - B&W CHE Comp Number: 2802	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.106 mi.)***	***F27***	***49***
K KIM'S UNION STATIO Status: A Tank Status: A Comp Number: 1784	1150 W PACIFIC COAST	NE 0 - 1/8 (0.109 mi.)	C34	61
JACK WOOD PLUMBING I Comp Number: 2346	25841 BELLE PORTE AV	W 1/8 - 1/4 (0.130 mi.)	G37	63
GARY ANDERSON Comp Number: 7256	1401 W PACIFIC COAST	WNW 1/8 - 1/4 (0.138 mi.)	E39	64
DIRO KG INC Comp Number: 7585	1414 PACIFIC COAST H	WNW 1/8 - 1/4 (0.154 mi.)	G44	72
BAY MARINE Comp Number: 5480	***1400 W 260TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***51***	***83***
JAMES J LIPPEN Comp Number: 4751	25517 S NORMANDIE AV	NNE 1/8 - 1/4 (0.200 mi.)	J57	97

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDEPENDENT DATSUN A	1313 W PACIFIC COAST	N 0 - 1/8 (0.013 mi.)	A2	9
INDEPENDENT DATSUN & Facility Id: 00000047201	***1313 W PCH***	***N 0 - 1/8 (0.013 mi.)***	***A3***	***10***
PUREX CORP - B&W CHE Facility Id: 00000050781	***25920 BELLE PORTE AV***	***WSW 0 - 1/8 (0.106 mi.)***	***F27***	***49***
UNION OIL SERVICE ST Facility Id: 00000056080	1150 WEST PACIFIC CO	NE 0 - 1/8 (0.109 mi.)	C29	53
UNOCAL SERVICE STATI	***1150 W PACIFIC COAST***	***NE 0 - 1/8 (0.109 mi.)***	***C33***	***59***
SERVICE STATION 2446 Facility Id: 00000029438	1150 PACIFIC COAST H	NE 0 - 1/8 (0.109 mi.)	C36	62

Lower Elevation	Address	Direction / Distance	Map ID	Page
KAISER PERMANENTE ME	***25825 S VERMONT AVE***	***E 1/8 - 1/4 (0.184 mi.)***	***K54***	***88***

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BAY MARINE	***1400 W 260TH ST***	***SW 1/8 - 1/4 (0.174 mi.)***	***51***	***83***
Facility Id: 19032024				
Status: A				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOTORSPORT TECHOLOGY	***25518 FRAMPTON***	***N 1/8 - 1/4 (0.176 mi.)***	***I52***	***83***
EPA ID:: CAD982349995				

Lower Elevation	Address	Direction / Distance	Map ID	Page
F M F RACING INC	***25927 FRAMPTON AVE***	***SW 0 - 1/8 (0.055 mi.)***	***B17***	***29***
EPA ID:: CAR000014480				

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the DRYCLEANERS list, as provided by EDR, has revealed that there are 5 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NNE 0 - 1/8 (0.035 mi.)	A7	19
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NNE 0 - 1/8 (0.035 mi.)	A8	19
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NNE 0 - 1/8 (0.035 mi.)	A11	23
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
J & L CLEANERS	1210 PACIFIC COAST H	NNE 0 - 1/8 (0.035 mi.)	A12	23
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				
MR DRYCLEAN	1111 W PACIFIC COAST	NE 1/8 - 1/4 (0.149 mi.)	H41	66
Database: DRYCLEAN SOUTH COAST, Date of Government Version: 03/16/2018				

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 10 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
76 PRODUCTS STATION Reg Id: 907100116	***1150 PACIFIC COAST H***	***NE 0 - 1/8 (0.109 mi.)***	***C32***	***54***
COLLIER CARBON & CHE Reg Id: 19281005	1480 ANAHEIM	SSW 1/4 - 1/2 (0.277 mi.)	63	109
TRANS WORLD OIL CORP Reg Id: 908061043	1532 ANAHEIM	SW 1/4 - 1/2 (0.301 mi.)	65	112
UNOCAL #2121 Reg Id: 907100061	***26393 VERMONT AVE S***	***S 1/4 - 1/2 (0.358 mi.)***	***73***	***137***
TEXACO Reg Id: 907440198	1625 ANAHEIM	WSW 1/4 - 1/2 (0.392 mi.)	O78	157
L.A. REFINERY, WILMI Reg Id: 4B192131002	1660 ANAHEIM	WSW 1/4 - 1/2 (0.440 mi.)	O81	160
UNION OIL CO (1) Reg Id: 19280289	1660 ANAHEIM	WSW 1/4 - 1/2 (0.440 mi.)	O82	160
SHELL SERVICES STATI Reg Id: 907100089	***1695 PACIFIC COAST H***	***W 1/4 - 1/2 (0.477 mi.)***	***P85***	***176***
CHEVRON #9-1267 Reg Id: 907100070	***25800 WESTERN AVE***	***W 1/4 - 1/2 (0.480 mi.)***	***P87***	***183***

Lower Elevation	Address	Direction / Distance	Map ID	Page
RAPID GAS #51 Reg Id: 907100052	***909 PACIFIC COAST HW***	***ENE 1/4 - 1/2 (0.472 mi.)***	***83***	***160***

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/20/2018 has revealed that there are 3 HWP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
C-BRITE METAL FINISH EPA Id: CAD045520996 Cleanup Status: PROTECTIVE FILER	***1213 W 25 3RD ST***	***N 1/4 - 1/2 (0.373 mi.)***	***N75***	***141***
BAY HARBOR HOSPITAL, EPA Id: CAD981391535 Cleanup Status: KNOWN GENERATORS	***1437 W LOMITA BLVD***	***NNW 1/2 - 1 (0.641 mi.)***	***89***	***187***

Lower Elevation	Address	Direction / Distance	Map ID	Page
PHILLIPS 66 CO LOS A	***1660 W ANAHEIM ST***	***SE 1/2 - 1 (0.880 mi.)***	***R93***	***356***

EXECUTIVE SUMMARY

EPA Id: CAD008237679
Cleanup Status: POST CLOSURE PERMIT

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JOHNS TRANSMISSIONS	1242 PACIFIC COAST H	NNE 0 - 1/8 (0.022 mi.)	A6	18
WOOD JAMES C TEXACO	1205 W PACIFIC COAST	NNE 0 - 1/8 (0.080 mi.)	C20	33
KIMS UNION	1150 PACIFIC COAST H	NE 0 - 1/8 (0.109 mi.)	C35	62

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

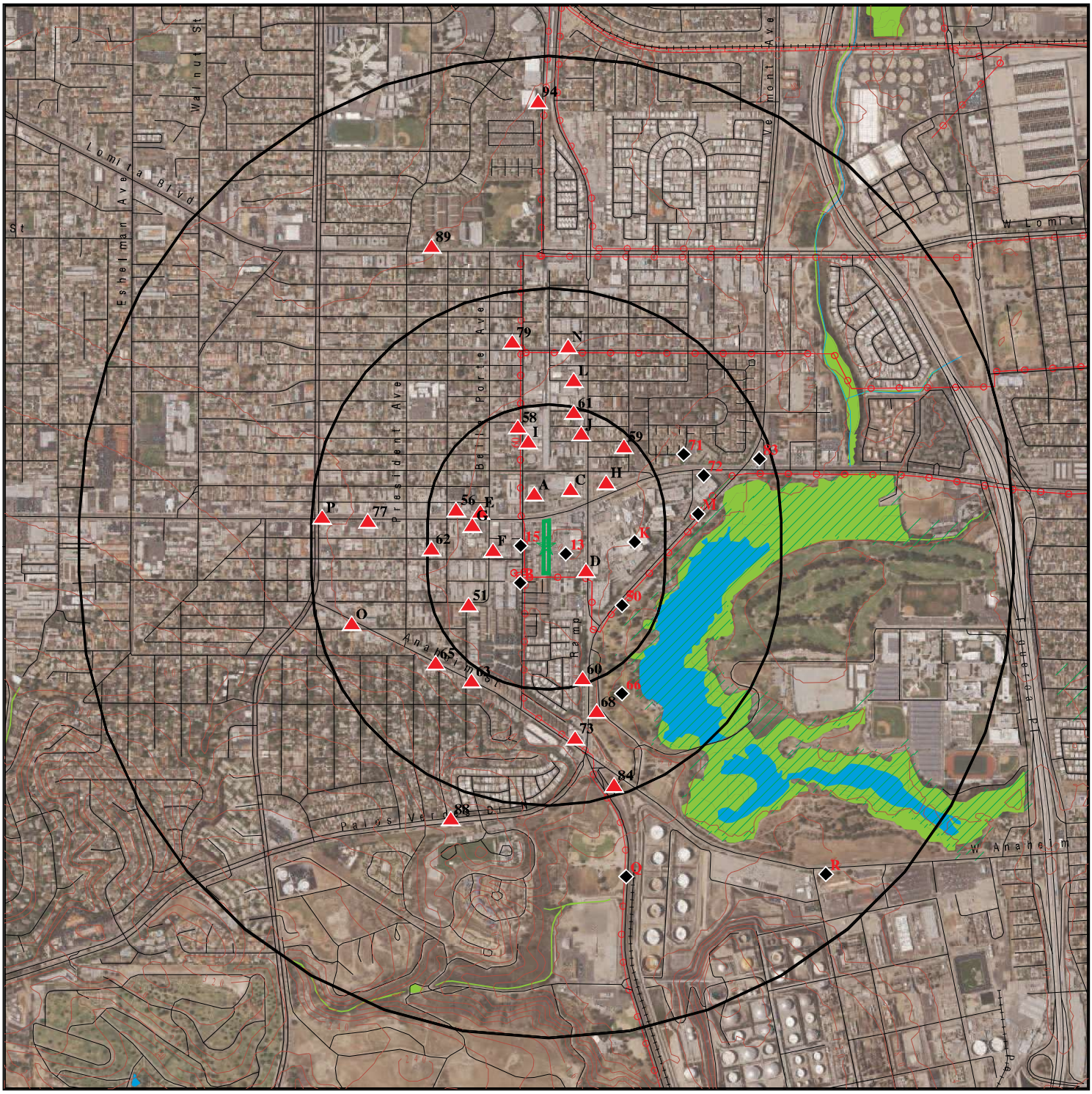
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR CLEANERS	1210 PACIFIC COAST H	NNE 0 - 1/8 (0.035 mi.)	A10	22

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 18 records.

Site Name	Database(s)
	CDL
LOS ANGELES HARBOR BERTH 115	SEMS-ARCHIVE, ENVIROSTOR
FORT MACARTHUR	SEMS-ARCHIVE
K & S RUBBISH	SWF/LF
CITY DUMP & SALVAGE #2	SWF/LF
GOLDEN COVE SHOPPING CENTER	CPS-SLIC
WILMINGTON TOWN LOT #369, 371, 372	CPS-SLIC
WILMINGTON TOWN LOT #274	CPS-SLIC
WILMINGTON TOWN LOT #156	CPS-SLIC
WILMINGTON TOWN LOT #114	CPS-SLIC
WILMINGTON TOWN LOT #113	CPS-SLIC
WILMINGTON TOWN LOT #040	CPS-SLIC
WILMINGTON TOWN LOT #018	CPS-SLIC
ACTA SOUTH - PCH GRADE SEPARATION	CPS-SLIC
ACTA PARCEL PCH-1542	CPS-SLIC
ACTA SOUTH - MAINTENANCE YARD	CPS-SLIC
GOLDEN EAGLE REFINERY	CA BOND EXP. PLAN
TED HAMMETT (CARSON)	ENVIROSTOR

OVERVIEW MAP - 5420394.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	1268 PCH Harbor City	CLIENT:	Partner Engineering and Science, Inc.
ADDRESS:	1268 Pacific Coast Highway Harbor City CA 90710	CONTACT:	Colleen Tubridy
LAT/LONG:	33.788573 / 118.29903	INQUIRY #:	5420394.2s
		DATE:	September 11, 2018 2:28 pm

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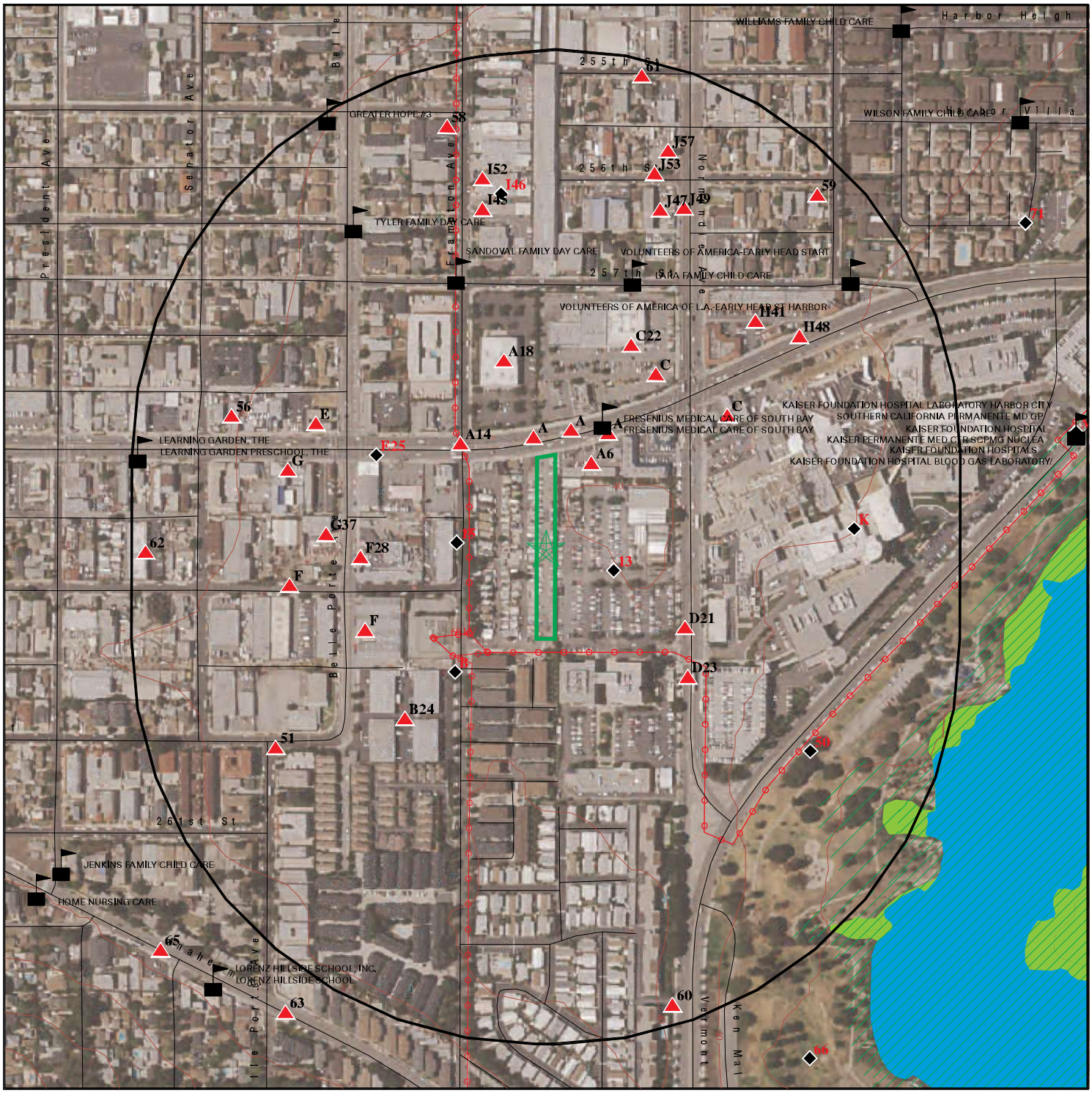
DETAIL MAP - 5420394.2S


WILLIAMS FAMILY CHILD CARE
Harbor Heigh
255th St
WILSON FAMILY CHILD CARE
Harbor Villa
GREATER HOPE #3
256th St
TYLER FAMILY DAY CARE
SANDOVAL FAMILY DAY CARE
VOLUNTEERS OF AMERICA-EARLY HEAD START
257th St
LARA FAMILY CHILD CARE
VOLUNTEERS OF AMERICA OF L.A.-EARLY HEAD ST HARBOR
LEARNING GARDEN, THE
LEARNING GARDEN PRESCHOOL, THE
FRESENIUS MEDICAL CARE OF SOUTH BAY
FRESENIUS MEDICAL CARE OF SOUTH BAY
KAISER FOUNDATION HOSPITAL LABORATORY HARBOR CITY
SOUTHERN CALIFORNIA PERMANENTE MD GP
KAISER FOUNDATION HOSPITAL
KAISER PERMANENTE MED CTR SCPMG NUCLEA
KAISER FOUNDATION HOSPITALS
KAISER FOUNDATION HOSPITAL BLOOD GAS LABORATORY
261st St
JENKINS FAMILY CHILD CARE
HOME NURSING CARE
LORENZ HILLSIDE SCHOOL, INC.
LORENZ HILLSIDE SCHOOL
Normandie Ave
Vermont Ave
Ken Mal
Belle Porte Ave
Senator Ave
President Ave
Fram
Ave
Bell
Ave
Ave
Ave

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		1	0	1	NR	NR	2
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	1	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		9	15	NR	NR	NR	24
RCRA-CESQG	0.250		2	0	NR	NR	NR	2
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		1	1	3	4	NR	9
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		1	0	1	NR	NR	2
State and tribal leaking storage tank lists								
LUST	0.500		1	0	11	NR	NR	12

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	4	NR	NR	4
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	1	NR	NR	NR	3
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		1	1	1	NR	NR	3
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
AOCONCERN	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		5	5	NR	NR	NR	10
HIST UST	0.250		6	1	NR	NR	NR	7
CA FID UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	1	NR	NR	NR	2
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		4	1	NR	NR	NR	5
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		1	0	9	NR	NR	10
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	1	2	NR	3
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		3	NR	NR	NR	NR	3
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	40	28	34	9	0	111

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
North
< 1/8
0.013 mi.
69 ft.

HARBOR CITY HIGH PERFORMANCE
1313 PACIFIC COAST HWY UNIT B
HARBOR CITY, CA 90710

RCRA-SQG
FINDS
ECHO

1000164303
CAD982050056

Site 1 of 14 in cluster A

Relative:
Higher

Actual:
46 ft.

RCRA-SQG:

Date form received by agency:	10/19/1987
Facility name:	HARBOR CITY HIGH PERFORMANCE
Facility address:	1313 PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
EPA ID:	CAD982050056
Mailing address:	PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1313 PACIFIC COAST HWY UNIT B HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-3432
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRED SNYDER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

HARBOR CITY HIGH PERFORMANCE (Continued) **1000164303**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002788699

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000164303
Registry ID:	110002788699
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002788699

A2 **INDEPENDENT DATSUN AND TOYOTA RE** **HIST UST** **S118411327**
North **1313 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.013 mi.
69 ft. **Site 2 of 14 in cluster A**

Relative: HIST UST:
Higher

File Number:	00027313
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027313.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported

Actual:
46 ft.

Tank Num: Not reported

INDEPENDENT DATSUN AND TOYOTA RE (Continued) **S118411327**

Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

A3 **INDEPENDENT DATSUN & TOYOTA REP** **RCRA-SQG** **1000209525**
North **1313 W PCH** **HIST UST** **CAD982041816**
< 1/8 **HARBOR CITY, CA 90710** **FINDS**
0.013 mi. **ECHO**
69 ft. **Site 3 of 14 in cluster A** **HAZNET**

Relative: Higher

Actual: 46 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	INDEPENDENT DATSUN & TOYOTA REP
Facility address:	1313 W PCH HARBOR CITY, CA 90710
EPA ID:	CAD982041816
Mailing address:	PO BOX 308 HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	KENNETH REUTERSKIOLD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/21/1987
Site name: INDEPENDENT DATSUN & TOYOTA REP
Classification: Large Quantity Generator

Violation Status: No violations found

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000047201
Facility Type: Other
Other Type: AUTO REPAIR
Contact Name: KENNETH REUTERSKIOLD
Telephone: 2133267660
Owner Name: KEN DON MOTORS
Owner Address: 25100 S. NORMANDIE UNIT F
Owner City,St,Zip: HARBOR CITY, CA 90710
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000500
Tank Used for: PRODUCT
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

FINDS:

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

Registry ID: 110002786138

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000209525
Registry ID: 110002786138
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002786138

HAZNET:
envid: 1000209525
Year: 2000
GEPAID: CAD982041816
Contact: DEACT PER VQ96
Telephone: --
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: 0.33
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000209525
Year: 1999
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .7506
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

INDEPENDENT DATSUN & TOYOTA REP (Continued) **1000209525**

envid: 1000209525
Year: 1998
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .6672
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000209525
Year: 1997
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .4170
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000209525
Year: 1996
GEPAID: CAD982041816
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: PO BOX 308
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080013352
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues 10 percent or more
Disposal Method: Recycler
Tons: .4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

A4
NNE
< 1/8
0.018 mi.
96 ft.

FRANK COLETTO FORD ISUZU INC
1241 PACIFIC COAST HWY
HARBOR CITY, CA 90710

Site 4 of 14 in cluster A

RCRA-SQG
FINDS
ECHO
HAZNET

1000316586
CAD981691751

Relative:
Higher

Actual:
47 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	FRANK COLETTO FORD ISUZU INC
Facility address:	1241 PACIFIC COAST HWY HARBOR CITY, CA 90710
EPA ID:	CAD981691751
Mailing address:	PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	FRANK COLETTO FORD ISUZU INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002754760

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000316586
Registry ID: 110002754760
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002754760

HAZNET:
envid: 1000316586
Year: 1997
GEPAID: CAD981691751
Contact: FRANK COLETTO FORD ISUZU INC
Telephone: 2133259225
Mailing Name: Not reported
Mailing Address: 1241 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102931
Gen County: Not reported
TSD EPA ID: CAD009007626
TSD County: Not reported
Waste Category: Asbestos containing waste
Disposal Method: Disposal, Land Fill
Tons: 21.0700
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000316586

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Year:	1996
GEPAID:	CAD981691751
Contact:	FRANK COLETTO FORD ISUZU INC
Telephone:	2133259225
Mailing Name:	Not reported
Mailing Address:	1241 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907102931
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Transfer Station
Tons:	1.2510
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000316586
Year:	1996
GEPAID:	CAD981691751
Contact:	FRANK COLETTO FORD ISUZU INC
Telephone:	2133259225
Mailing Name:	Not reported
Mailing Address:	1241 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907102931
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	4.1700
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000316586
Year:	1996
GEPAID:	CAD981691751
Contact:	FRANK COLETTO FORD ISUZU INC
Telephone:	2133259225
Mailing Name:	Not reported
Mailing Address:	1241 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907102931
Gen County:	Not reported
TSD EPA ID:	CAD981696420
TSD County:	Not reported
Waste Category:	Oil/water separation sludge
Disposal Method:	Transfer Station
Tons:	15.4290
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000316586
Year:	1995
GEPAID:	CAD981691751
Contact:	FRANK COLETTO FORD ISUZU INC

FRANK COLETTO FORD ISUZU INC (Continued) **1000316586**

Telephone:	2133259225
Mailing Name:	Not reported
Mailing Address:	1241 PACIFIC COAST HWY
Mailing City,St,Zip:	HARBOR CITY, CA 907102931
Gen County:	Not reported
TSD EPA ID:	CAD093459485
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Transfer Station
Tons:	.0166
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

A5 **FRANK COLETTO FORD INC** **SWEEPS UST** **S106831288**
NNE **1241 W PACIFIC COAST HWY** **EMI** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.018 mi.
96 ft. **Site 5 of 14 in cluster A**

Relative:
Higher

Actual:
47 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	5475
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	12148
Air District Name:	SC
SIC Code:	5511
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0

FRANK COLETTO FORD INC (Continued) **S106831288**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	12148
Air District Name:	SC
SIC Code:	5511
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

A6 **JOHNS TRANSMISSIONS** **EDR Hist Auto** **1020970578**
NNE **1242 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.022 mi.
118 ft. **Site 6 of 14 in cluster A**

Relative: EDR Hist Auto
Higher

Actual: **48 ft.**

Year:	Name:	Type:
1997	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
1997	HONGS AUTO SERVICE	General Automotive Repair Shops
1998	HONGS AUTO SERVICE	General Automotive Repair Shops
1998	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
1999	HONGS AUTO SERVICE	General Automotive Repair Shops
1999	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2000	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2000	HONGS AUTO SERVICE	General Automotive Repair Shops
2001	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2001	HONGS AUTO SERVICE	General Automotive Repair Shops
2002	HONGS AUTO SERVICE	General Automotive Repair Shops
2002	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2003	HONGS AUTO SERVICE	General Automotive Repair Shops
2003	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2004	HONGS AUTO SERVICE	General Automotive Repair Shops
2004	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2005	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2005	HONGS AUTO SERVICE	General Automotive Repair Shops
2006	HONGS AUTO SERVICE	General Automotive Repair Shops
2006	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2007	HONGS AUTO SERVICE	General Automotive Repair Shops
2007	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2008	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2008	HONGS AUTO SERVICE	General Automotive Repair Shops
2009	HONGS AUTO SERVICE	General Automotive Repair Shops
2009	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2010	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2010	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2011	JOHNS TRANSMISSIONS	Automotive Transmission Repair Shops
2011	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops

JOHNS TRANSMISSIONS (Continued) **1020970578**

2012	H1 AUTO SMOG	General Automotive Repair Shops
2012	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2013	H1 AUTO SMOG	General Automotive Repair Shops
2013	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2014	H 1 AUTO CENTER TRANSMISS	General Automotive Repair Shops
2014	H1 AUTO SMOG	General Automotive Repair Shops

A7 **SUPERIOR CLEANERS** **DRYCLEANERS** **S121700089**
NNE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.035 mi.
187 ft. **Site 7 of 14 in cluster A**

Relative: **Higher**
Actual: **48 ft.**

DRYCLEAN SOUTH COAST:

Facility ID:	88061
Application Number:	255664
Permit Number:	D51601
Status:	O
Representative Name:	YOUNG C SHIN
Representative Telephone:	213 3264787
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

A8 **SUPERIOR CLEANERS** **DRYCLEANERS** **S121698437**
NNE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.035 mi.
187 ft. **Site 8 of 14 in cluster A**

Relative: **Higher**
Actual: **48 ft.**

DRYCLEAN SOUTH COAST:

Facility ID:	54837
Application Number:	149340
Permit Number:	M53974
Status:	S
Representative Name:	SERGIO IGDAL
Representative Telephone:	213 3264787
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	379.8999939
UTM North:	3739.3999023

A9
NNE
< 1/8
0.035 mi.
187 ft.

SUPERIEOR CLEANERS
1210 PACIFIC COAST
HARBOR CITY, CA 90710

Site 9 of 14 in cluster A

RCRA-SQG
FINDS
ECHO
HAZNET

1000215351
CAD981641632

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SUPERIEOR CLEANERS
Facility address:	1210 PACIFIC COAST HARBOR CITY, CA 90710
EPA ID:	CAD981641632
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	GREGORIO IGAL
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

SUPERIEOR CLEANERS (Continued) **1000215351**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/1987
Site name: SUPERIEOR CLEANERS
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/09/1994
Date achieved compliance: 06/09/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/09/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/09/1999
Evaluation lead agency: State Contractor/Grantee

FINDS:

Registry ID: 110002735933

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

SUPERIEOR CLEANERS (Continued) **1000215351**

ECHO:
Envid: 1000215351
Registry ID: 110002735933
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002735933

HAZNET:
envid: 1000215351
Year: 1997
GEPAID: CAD981641632
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1210 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102932
Gen County: Not reported
TSD EPA ID: CAD981397417
TSD County: Not reported
Waste Category: Halogenated solvents (chloroforms, methyl chloride, perchloroethylene, etc)
Disposal Method: Recycler
Tons: .2899
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Ventura

envid: 1000215351
Year: 1995
GEPAID: CAD981641632
Contact: Not reported
Telephone: 0000000000
Mailing Name: Not reported
Mailing Address: 1210 PACIFIC COAST HWY
Mailing City,St,Zip: HARBOR CITY, CA 907102932
Gen County: Not reported
TSD EPA ID: CAT000613976
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: Transfer Station
Tons: .3150
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Ventura

A10 **SUPERIOR CLEANERS** **EDR Hist Cleaner** **1018969530**
NNE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.035 mi.
187 ft. **Site 10 of 14 in cluster A**

Relative: EDR Hist Cleaner
Higher

Actual: **48 ft.**

Year:	Name:	Type:
1985	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1986	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1987	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1988	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1989	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs

SUPERIOR CLEANERS (Continued) **1018969530**

1990	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs
1991	SUPERIOR CLEANERS	Drycleaning Plants, Except Rugs

A11 **SUPERIOR CLEANERS** **DRYCLEANERS** **S121697859**
NNE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.035 mi.
187 ft. **Site 11 of 14 in cluster A**

Relative: DRYCLEAN SOUTH COAST:
Higher

Facility ID:	44350
Application Number:	123058
Permit Number:	M39468
Status:	O
Representative Name:	MICHAEL M. OHREN
Representative Telephone:	213 6438450
Permit Status:	INACT_NR
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

Actual:
48 ft.

A12 **J & L CLEANERS** **DRYCLEANERS** **S121697523**
NNE **1210 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.035 mi.
187 ft. **Site 12 of 14 in cluster A**

Relative: DRYCLEAN SOUTH COAST:
Higher

Facility ID:	38409
Application Number:	107866
Permit Number:	Not reported
Status:	O
Representative Name:	JIMMY ANDERSON
Representative Telephone:	213 3264787
Permit Status:	Not reported
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

Actual:
48 ft.

Facility ID:	38409
Application Number:	110055
Permit Number:	M33665
Status:	O
Representative Name:	JIMMY ANDERSON
Representative Telephone:	213 3264787
Permit Status:	INACTIVE
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

13
ESE
< 1/8
0.036 mi.
192 ft.

101 DISPOSAL COMPANY
25875 SOUTH NORMANDIE
WILMINGTON, CA 90744

WMUDS/SWAT
LDS

S103441301
N/A

Relative:
Lower

Actual:
41 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	64-155
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	101 DISPOSAL COMPANY
Agency Department:	Not reported
Agency Address:	201 NORTH MISSION ROAD
Agency City,St,Zip:	LOS ANGELES 90033
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	KAISER PERMANENTE
Land Owner Address:	WALNUT CENTER
Land Owner City,St,Zip:	PASADENA, CA 91188
Land Owner Contact:	ED MULLANEY
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	101 DISPOSAL COMPANY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	B_P
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190015NUR
Solid Waste Information ID:	Not reported

101 DISPOSAL COMPANY (Continued) **S103441301**

LDS:

Global Id:	T10000004517
Latitude:	33.78837
Longitude:	-118.2983
Case Type:	Land Disposal Site
Status:	Completed - Case Closed
Status Date:	05/20/2016
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	WY
Local Agency:	Not reported
RB Case Number:	64-155
LOC Case Number:	Not reported
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	T10000004517
Potential Contaminants of Concern:	Not reported
Site History:	The landfill closed in November 1965.

Click here to access the California GeoTracker records for this facility:

A14 **TILLACK & CO LTD** **RCRA-SQG 1000275897**
NW **1325 PCH** **FINDS CAD981442114**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.048 mi.
253 ft. **Site 13 of 14 in cluster A**

Relative: Higher

Actual: 43 ft.

RCRA-SQG:

Date form received by agency:	09/04/1986
Facility name:	TILLACK & CO LTD
Facility address:	1325 PCH HARBOR CITY, CA 90710
EPA ID:	CAD981442114
Mailing address:	PCH HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1325 PCH HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	415-555-1212
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STEVEN TILLACK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported

TILLACK & CO LTD (Continued) **1000275897**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002707161

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000275897

TILLACK & CO LTD (Continued) **1000275897**

Registry ID: 110002707161
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002707161

15
West
< 1/8
0.049 mi.
261 ft.

MIKES & MAXS
25853 FRAMPTON
HARBOR CITY, CA 90710

RCRA-SQG
FINDS
ECHO

1000220138
CAD982048134

Relative:
Lower

Actual:
42 ft.

RCRA-SQG:
Date form received by agency: 10/07/1987
Facility name: MIKES & MAXS
Facility address: 25853 FRAMPTON
HARBOR CITY, CA 90710
EPA ID: CAD982048134
Mailing address: FRAMPTON
HARBOR CITY, CA 90710
Contact: ENVIRONMENTAL MANAGER
Contact address: 25853 FRAMPTON
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-530-0698
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: BILL MAXWELL
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

MIKES & MAXS (Continued) **1000220138**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002787636

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1000220138
- Registry ID: 110002787636
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002787636

B16 **DISTRIBUTING STATION 123** **AST** **A100419443**
SW **25923 FRAMPTON AVE** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.054 mi.
286 ft. **Site 1 of 3 in cluster B**

Relative: **Lower**

Actual: **42 ft.**

AST:
- Certified Unified Program Agencies: Not reported
- Owner: Los Angeles Department of Water and Power
- Total Gallons: Not reported
- CERSID: 10030240
- Facility ID: LACt
- Business Name: Los Angeles Department of Water and Power
- Phone: 213-367-0403
- Fax: Not reported
- Mailing Address: 111 N. Hope St. Room 1050
- Mailing Address City: Los Angeles

DISTRIBUTING STATION 123 (Continued) **A100419443**

Mailing Address State:	CA
Mailing Address Zip Code:	90012
Operator Name:	Los Angeles Department of Water and Power
Operator Phone:	213-367-0403
Owner Phone:	213-367-0403
Owner Mail Address:	111 N. Hope St. Room 1050
Owner State:	CA
Owner Zip Code:	90012
Owner Country:	United States
Property Owner Name:	Los Angeles Department of Water and Power
Property Owner Phone:	213-367-0403
Property Owner Mailing Address:	111 North Hope Street, Room 1050
Property Owner City:	Los Angeles
Property Owner Stat :	CA
Property Owner Zip Code:	90012
Property Owner Country:	United States
EPAID:	Not reported

B17 **F M F RACING INC** **RCRA NonGen / NLR** **1001115512**
SW **25927 FRAMPTON AVE** **FINDS** **CAR000014480**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.055 mi. **HAZNET**
288 ft. **Site 2 of 3 in cluster B**

Relative:
Lower

Actual:
42 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/15/2000
Facility name:	F M F RACING INC
Facility address:	25927 FRAMPTON AVE HARBOR CITY, CA 90710
EPA ID:	CAR000014480
Mailing address:	25930 BELLE PORTE AVE HARBOR CITY, CA 90710
Contact:	BRION MC HALE
Contact address:	18033 S SANTA FE AVE RANCHO DOMINGUEZ, CA 90221-5514
Contact country:	US
Contact telephone:	310-631-4363
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	F M F RACING INC
Owner/operator address:	25930 BELLE PORTE AVE HARBOR CITY, CA 90710
Owner/operator country:	Not reported
Owner/operator telephone:	310-539-6884
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

F M F RACING INC (Continued) **1001115512**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002913526

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001115512
Registry ID: 110002913526
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002913526

HAZNET:
envid: 1001115512
Year: 1998
GEPAID: CAR000014480
Contact: F M F RACING INC
Telephone: 3105396884
Mailing Name: Not reported
Mailing Address: 18033 S SANTA FE AVE
Mailing City,St,Zip: RANCHO DOMINGUEZ, CA 902213317
Gen County: Not reported
TSD EPA ID: CAT000613893
TSD County: Not reported
Waste Category: Aqueous solution with total organic residues less than 10 percent
Disposal Method: Transfer Station
Tons: .8129
Cat Decode: Not reported

F M F RACING INC (Continued) **1001115512**

Method Decode:	Not reported
Facility County:	Los Angeles
envid:	1001115512
Year:	1998
GEPAID:	CAR000014480
Contact:	F M F RACING INC
Telephone:	3105396884
Mailing Name:	Not reported
Mailing Address:	18033 S SANTA FE AVE
Mailing City,St,Zip:	RANCHO DOMINGUEZ, CA 902213317
Gen County:	Not reported
TSD EPA ID:	CAD093459485
TSD County:	Not reported
Waste Category:	Organic liquids with metals (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Transfer Station
Tons:	.1251
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

A18 **PEP BOYS #0851** **RCRA-CESQG** **1023966870**
NNW **1315 PACIFIC COAST** **CAR000275917**
< 1/8 **HARBOR CITY, CA 90710**
0.063 mi.
335 ft. **Site 14 of 14 in cluster A**

Relative:
Higher

Actual:
45 ft.

RCRA-CESQG:

Date form received by agency:	09/11/2017
Facility name:	PEP BOYS #0851
Facility address:	1315 PACIFIC COAST HARBOR CITY, CA 90710
EPA ID:	CAR000275917
Mailing address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Contact:	ALANA J PERSAD
Contact address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Contact country:	US
Contact telephone:	215-430-9226
Telephone ext.:	9226
Contact email:	ALANA_PERSAD@PEPBOYS.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

PEP BOYS #0851 (Continued) **1023966870**

hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE PEP BOYS MANNY MOE & JACK
Owner/operator address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Owner/operator country:	US
Owner/operator telephone:	215-430-9226
Owner/operator email:	ALANA_PERSAD@PEPBOYS.COM
Owner/operator fax:	215-430-4639
Owner/operator extension:	9226
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/30/1997
Owner/Op end date:	Not reported

Owner/operator name:	THE PEP BOYS MANNY MOE & JACK
Owner/operator address:	W ALLEGHENY AVE PHILADELPHIA, PA 19132
Owner/operator country:	US
Owner/operator telephone:	215-430-9226
Owner/operator email:	ALANA_PERSAD@PEPBOYS.COM
Owner/operator fax:	215-430-4639
Owner/operator extension:	9226
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/30/1997
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	134
. Waste name:	Aqueous solution with <10% total organic residues

. Waste code:	D001
. Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

PEP BOYS #0851 (Continued) **1023966870**

WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

C19 **FRANK COLETTO FORD INC** **SWEEPS UST** **S106926397**
NNE **1205 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.080 mi.
420 ft. **Site 1 of 11 in cluster C**

Relative: Higher

Actual: 49 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	4752
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

C20 **WOOD JAMES C TEXACO SERVICE** **EDR Hist Auto** **1020764857**
NNE **1205 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.080 mi.
420 ft. **Site 2 of 11 in cluster C**

Relative: Higher

Actual: 49 ft.

EDR Hist Auto

Year:	Name:	Type:
1972	JIM & CRIPS TEXACO SERVICE	Gasoline Service Stations
1973	JIM & CRIPS TEXACO SERVICE	Gasoline Service Stations
1974	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1975	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1976	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1977	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1978	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1979	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1980	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1982	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations
1983	WOOD JAMES C TEXACO SERVICE	Gasoline Service Stations

D21
ESE
< 1/8
0.080 mi.
424 ft.

KAISER HOSPITAL
25875 S NORMANDIE AVE
LOS ANGELES, CA 90710

SWEEPS UST **S106928057**
LA Co. Site Mitigation **N/A**

Site 1 of 2 in cluster D

Relative: Higher

Actual: 46 ft.

SWEEPS UST:

Status:	Active
Comp Number:	6737
Number:	9
Board Of Equalization:	Not reported
Referral Date:	04-20-93
Action Date:	04-20-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

LA Co. Site Mitigation:

Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0010059
Jurisdiction:	Not reported
Case ID:	RO0000450
Abated:	Yes
Assigned To:	TK
Entered Date:	Not reported
Abated Date:	03/01/1987

C22
NNE
< 1/8
0.083 mi.
436 ft.

RITE AID #6413
1207 PACIFIC COAST HWY
HARBOR CITY, CA 90710

RCRA-CESQG **1014387710**
HAZNET **CAR000212811**

Site 3 of 11 in cluster C

Relative: Higher

Actual: 50 ft.

RCRA-CESQG:

Date form received by agency:	04/14/2017
Facility name:	RITE AID #6413
Facility address:	1207 PACIFIC COAST HWY HARBOR CITY, CA 907100000
EPA ID:	CAR000212811
Mailing address:	HUNTER LN CAMP HILL, PA 17011
Contact:	DAVID W CROZIER
Contact address:	HUNTER LN CAMP HILL, PA 17011
Contact country:	US
Contact telephone:	(717) 975-8643
Contact email:	EHS@RITEAID.COM
EPA Region:	09
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time;

RITE AID #6413 (Continued) **1014387710**

or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	THRIFTY PAYLESS INC
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	09/21/2001
Owner/Op end date:	Not reported
Owner/operator name:	RITE AID CORP
Owner/operator address:	30 HUNTER LN
	CAMP HILL, PA 17011
Owner/operator country:	US
Owner/operator telephone:	717-730-8225
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	09/01/1962
Owner/Op end date:	Not reported
Owner/operator name:	1207 PACIFIC COAST HWY PROPERTIES LLC
Owner/operator address:	PO BOX
	BEVERLY HILLS, CA 90212
Owner/operator country:	US
Owner/operator telephone:	(717) 761-2633
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/12/1998
Owner/Op end date:	Not reported
Owner/operator name:	RITE AID CORP
Owner/operator address:	30 HUNTER LN
	CAMP HILL, PA 17011
Owner/operator country:	US

RITE AID #6413 (Continued) **1014387710**

Owner/operator telephone: 717-730-8225
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 09/01/1962
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

RITE AID #6413 (Continued) **1014387710**

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: U165
. Waste name: NAPHTHALENE

RITE AID #6413 (Continued) **1014387710**

. Waste code: U188
. Waste name: PHENOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Historical Generators:
Date form received by agency: 01/25/2016
Site name: RITE AID NO 6413
Classification: Large Quantity Generator

. Waste code: 122
. Waste name: Alkaline solution without metals (pH > 12.5)

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 261
. Waste name: Polychlorinated biphenyls and material containing PCB’s

. Waste code: 291
. Waste name: Latex waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 541
. Waste name: Photochemicals / photo processing waste

. Waste code: 561
. Waste name: Detergent and soap

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

RITE AID #6413 (Continued) **1014387710**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U188
. Waste name: PHENOL

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Date form received by agency: 09/15/2014
Site name: RITE AID NO 6413
Classification: Large Quantity Generator

. Waste code: 131
. Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite,

RITE AID #6413 (Continued) **1014387710**

perchlorate, and sulfide anions)

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 214
. Waste name: Unspecified solvent mixture

. Waste code: 232
. Waste name: Pesticides and other waste associated with pesticide production

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011
. Waste name: SILVER

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

RITE AID #6413 (Continued) **1014387710**

. Waste code: P075
. Waste name: NICOTINE, & SALTS

Date form received by agency: 09/06/2010
Site name: RITE AID 6413
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

Violation Status: No violations found

HAZNET:
envid: 1014387710
Year: 2016
GEPAID: CAR000212811

RITE AID #6413 (Continued) **1014387710**

Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.003
Cat Decode:	Unspecified organic liquid mixture
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus organics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0225
Cat Decode:	Off-specification, aged or surplus organics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	1014387710
Year:	2016
GEPAID:	CAR000212811
Contact:	DAVID CROZIER
Telephone:	7179758643
Mailing Name:	Not reported
Mailing Address:	30 HUNTER LN
Mailing City,St,Zip:	CAMP HILL, PA 17011
Gen County:	Los Angeles
TSD EPA ID:	CAD008364432
TSD County:	Los Angeles
Waste Category:	Off-specification, aged or surplus inorganics
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0025
Cat Decode:	Off-specification, aged or surplus inorganics
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

RITE AID #6413 (Continued) **1014387710**

envid: 1014387710
Year: 2016
GEPAID: CAR000212811
Contact: DAVID CROZIER
Telephone: 7179758643
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Unspecified solvent mixture
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.012
Cat Decode: Unspecified solvent mixture
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

envid: 1014387710
Year: 2016
GEPAID: CAR000212811
Contact: DAVID CROZIER
Telephone: 7179758643
Mailing Name: Not reported
Mailing Address: 30 HUNTER LN
Mailing City,St,Zip: CAMP HILL, PA 17011
Gen County: Los Angeles
TSD EPA ID: CAD008364432
TSD County: Los Angeles
Waste Category: Pharmaceutical waste
Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.009
Cat Decode: Pharmaceutical waste
Method Decode: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
48 additional CA_HAZNET: record(s) in the EDR Site Report.

D23 **101 DISPOSAL COMPANY T (KAISER)** **SWF/LF** **S109821604**
SE **25965 S NORMANDIE AVE** **N/A**
< 1/8 **HARBOR CITY (IN LOS ANGELES), CA**
0.085 mi.
451 ft. **Site 2 of 2 in cluster D**

Relative: **Higher**
Actual: **45 ft.**

SWF/LF (SWIS):
Facility ID: 19-AR-5137
Lat/Long: 33.78814 / -118.29831
Owner Name: Not reported
Owner Telephone: Not reported
Owner Address: Not reported
Owner Address2: Not reported
Owner City,St,Zip: Not reported
Operational Status: Not reported

101 DISPOSAL COMPANY T (KAISER) (Continued) **S109821604**

Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Not reported
Regulation Status:	Not reported
Landuse Name:	Urban,Commercial
GIS Source:	GPS
Category:	Not reported
Unit Number:	Not reported
Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AR-5137
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.78814 / -118.29831

B24 **MICREE CORP** **RCRA-SQG** **1000355375**
SW **25930 BELLE PORTE AVE** **FINDS** **CAD079625950**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.095 mi.
500 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
46 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	MICREE CORP
Facility address:	25930 BELLE PORTE AVE HARBOR CITY, CA 90710
EPA ID:	CAD079625950
Mailing address:	25930 BELLE PORTE AVENUE HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

MICREE CORP (Continued) **1000355375**

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MICREE CORPORATION
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	11/18/1980
Site name:	MICREE CORP
Classification:	Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002659873

Environmental Interest/Information System

MICREE CORP (Continued) **1000355375**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000355375
Registry ID: 110002659873
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002659873

E25 **PACIFIC YAMAHA** **RCRA-SQG** **1004676918**
WNW **1358 PACIFIC COAST HWY** **FINDS** **CAR000091116**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.099 mi. **HAZNET**
524 ft. **Site 1 of 3 in cluster E**

Relative: **Lower**

Actual: **42 ft.**

RCRA-SQG:
Date form received by agency: 02/01/2001
Facility name: PACIFIC YAMAHA
Facility address: 1358 PACIFIC COAST HWY
HARBOR CITY, CA 90710
EPA ID: CAR000091116
Contact: KEVIN KNIGHT
Contact address: 1358 PACIFIC COAST HWY
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 310-891-6990
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: PACIFIC YAMAHA
Owner/operator address: 1358 PACIFIC COAST HWY
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 310-891-6990
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

PACIFIC YAMAHA (Continued) **1004676918**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012209074

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1004676918
- Registry ID: 110012209074
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012209074

HAZNET:
- envid: 1004676918
- Year: 2001
- GEPAID: CAR000091116
- Contact: --
- Telephone: 3108916990
- Mailing Name: Not reported
- Mailing Address: 1358 PACIFIC COAST HWY
- Mailing City,St,Zip: HARBOR CITY, CA 907100000
- Gen County: Not reported
- TSD EPA ID: CAT000613893
- TSD County: Not reported
- Waste Category: Aqueous solution with total organic residues less than 10 percent

PACIFIC YAMAHA (Continued) **1004676918**

Disposal Method: Transfer Station
Tons: 0.13
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

F26 **PUREX CORP B&W CHEM DIV** **SEMS-ARCHIVE** **1003878473**
WSW **25920 BELLE PORTE AVE** **CAD980636419**
< 1/8 **HARBOR CITY, CA 90710**
0.106 mi.
558 ft. **Site 1 of 5 in cluster F**

Relative: **Higher**
Actual: **44 ft.**

SEMS Archive:
Site ID: 901808
EPA ID: CAD980636419
Cong District: 32
FIPS Code: 6037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 9
Site ID: 901808
EPA ID: CAD980636419
Site Name: PUREX CORP B&W CHEM DIV
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1985-10-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 9
Site ID: 901808
EPA ID: CAD980636419
Site Name: PUREX CORP B&W CHEM DIV
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 00:00:00
Finish Date: 1981-06-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 9
Site ID: 901808
EPA ID: CAD980636419
Site Name: PUREX CORP B&W CHEM DIV
NPL: N
FF: N

PUREX CORP B&W CHEM DIV (Continued) **1003878473**

OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-06-01 00:00:00
Finish Date:	1985-10-01 00:00:00
Qual:	N
Current Action Lead:	St Perf

F27 **PUREX CORP - B&W CHEMICAL DIVISION** **ENVIROSTOR** **1000296491**
WSW **25920 BELLE PORTE AVENUE** **SWEEPS UST** **N/A**
< 1/8 **HARBOR CITY, CA 90710** **HIST UST**
0.106 mi. **EMI**
558 ft. **Site 2 of 5 in cluster F**

Relative: **Higher**
Actual: **44 ft.**

ENVIROSTOR:

Facility ID:	19280127
Status:	Refer: Other Agency
Status Date:	03/01/1984
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.78784
Longitude:	-118.3007
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* DETERGENT & SOAP * UNSPECIFIED ACID SOLUTION * UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	B&W CHEMICAL CO.
Alias Type:	Alternate Name
Alias Name:	ETHAN ALLEN FURNITURE
Alias Type:	Alternate Name
Alias Name:	NICK KLINE & JIM PICKETT-FURN STORE
Alias Type:	Alternate Name
Alias Name:	PUREX CORP B&W CHEM DIV
Alias Type:	Alternate Name
Alias Name:	UNIMASCO (SINCE 1979)
Alias Type:	Alternate Name
Alias Name:	CAD980636419
Alias Type:	EPA Identification Number
Alias Name:	19280127
Alias Type:	Envirostor ID Number

PUREX CORP - B&W CHEMICAL DIVISION (Continued) **1000296491**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/29/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	11/01/1981
Comments:	FACILITY IDENTIFIED LA CITY SANITATION CITY IW PERMIT ORIG TO B & W CHEM CO ON 2/15/57. W 13908 CANCEL 5/66. PUREX OWN, IN 10/66. PERMIT W29472. MOVED OUT 12/68

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/28/1994
Comments:	DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/01/1984
Comments:	T/C W/M.ASPER,PUREX CORP,213-634-3000 - 1)SOURCE ACT: MFG CLEANING COMPOUNDS & SOAP LUBRICANTS(PUREX). (UNIMASCO) MFG MACHINES, PAINT LINES. LEASED FROM CHALES 213-630-7585. SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SWEEPS UST:

Status:	Not reported
Comp Number:	2802
Number:	Not reported
Board Of Equalization:	44-012544
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002802-000001
Tank Status:	Not reported
Capacity:	1
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN

PUREX CORP - B&W CHEMICAL DIVISION (Continued) **1000296491**

Number Of Tanks: 1

HIST UST:

File Number:	00026B0E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00026B0E.pdf
Region:	STATE
Facility ID:	00000050781
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	0000000000
Owner Name:	CHARLES A. HALLAIAN
Owner Address:	22722 JUNIPER
Owner City,St,Zip:	TORRANCE, CA 90505
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

EMI:

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	57690
Air District Name:	SC
SIC Code:	3599
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

F28 **PACIFIC AUTO CTR** **RCRA-SQG** **1000250137**
West **25840 BELLEPORTE** **FINDS** **CAD981445802**
< 1/8 **HARBOR CITY, CA 90710** **ECHO**
0.109 mi.
573 ft. **Site 3 of 5 in cluster F**

Relative:
Higher

Actual:
45 ft.

RCRA-SQG:

Date form received by agency:	09/15/1986
Facility name:	PACIFIC AUTO CTR
Facility address:	25840 BELLEPORTE HARBOR CITY, CA 90710
EPA ID:	CAD981445802

PACIFIC AUTO CTR (Continued) **1000250137**

Mailing address:	BELLEPORTE HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25840 BELLEPORTE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-2216
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	KIM CHAN JUNG
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

PACIFIC AUTO CTR (Continued) **1000250137**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002709640

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000250137
Registry ID: 110002709640
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002709640

C29 **UNION OIL SERVICE STATION 244** **HIST UST** **1000166662**
NE **1150 WEST PACIFIC COAST HIGHWA** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 4 of 11 in cluster C**

Relative:
Higher

Actual:
49 ft.

HIST UST:
File Number: 0002833E
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002833E.pdf
Region: STATE
Facility ID: 00000056080
Facility Type: Gas Station
Other Type: Not reported
Contact Name: DUK KUN KIM
Telephone: 2135305323
Owner Name: UNION OIL COMPANY OF CALIFORNI
Owner Address: 3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip: LOS ANGELES, CA 90010
Total Tanks: 0001

Tank Num: 001
Container Num: 2446-00
Year Installed: Not reported
Tank Capacity: 00000240
Tank Used for: WASTE
Type of Fuel: 06
Container Construction Thickness: Not reported
Leak Detection: None

UNION OIL SERVICE STATION 244 (Continued) **1000166662**

Click here for Geo Tracker PDF:

C30 **CIRCLE K STORE #5619** **UST** **U004263157**
NE **1150 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 5 of 11 in cluster C**

Relative: UST:
Higher
Actual: Facility ID: Not reported
49 ft. Permitting Agency: Los Angeles City Fire Department
Latitude: 33.78976
Longitude: -118.29706

C31 **CIRCLE K STORES INC. #5619** **UST** **U003939288**
NE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 6 of 11 in cluster C**

Relative: UST:
Higher
Actual: Facility ID: 24181
49 ft. Permitting Agency: LOS ANGELES, CITY OF
Latitude: 33.7903
Longitude: -118.29649

Facility ID: LACt
Permitting Agency: Los Angeles City Fire Department
Latitude: 33.78976
Longitude: -118.29706

C32 **76 PRODUCTS STATION #2446** **LUST** **S102439885**
NE **1150 PACIFIC COAST HWY** **HIST CORTESE** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 7 of 11 in cluster C**

Relative: LUST:
Higher
Actual: Lead Agency: LOS ANGELES RWQCB (REGION 4)
49 ft. Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603743580
Global Id: T0603743580
Latitude: 33.789756
Longitude: -118.297053
Status: Completed - Case Closed
Status Date: 07/28/2011
Case Worker: MB
RB Case Number: 907100116A
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: 29482
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

76 PRODUCTS STATION #2446 (Continued) **S102439885**

LUST:
Global Id: T0603743580
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603743580
Contact Type: Regional Board Caseworker
Contact Name: MAGDY BAIADY
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: mbaiady@waterboards.ca.gov
Phone Number: 2135766699

LUST:
Global Id: T0603743580
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 10/07/2008
Action: Staff Letter

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 06/23/2011
Action: Notification - Preclosure

Global Id: T0603743580
Action Type: Other
Date: 03/11/2004
Action: Leak Reported

Global Id: T0603743580
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603743580
Action Type: RESPONSE
Date: 02/15/2010
Action: Soil and Water Investigation Report

Global Id: T0603743580
Action Type: RESPONSE
Date: 04/15/2010
Action: Well Installation Report

Global Id: T0603743580
Action Type: RESPONSE
Date: 05/15/2010
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603743580
Action Type: RESPONSE
Date: 11/07/2008
Action: Other Report / Document

Global Id: T0603743580
Action Type: RESPONSE
Date: 04/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603743580
Action Type: ENFORCEMENT
Date: 07/28/2011
Action: Closure/No Further Action Letter

Global Id: T0603743580
Action Type: RESPONSE
Date: 03/11/2011
Action: Request for Closure

Global Id: T0603743580
Action Type: Other
Date: 02/19/2004
Action: Leak Discovery

LUST:
Global Id: T0603743580
Status: Open - Case Begin Date
Status Date: 04/30/1993

Global Id: T0603743580
Status: Open - Site Assessment
Status Date: 04/30/1993

Global Id: T0603743580
Status: Completed - Case Closed
Status Date: 02/19/2004

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Global Id: T0603743580
Status: Open - Remediation
Status Date: 02/03/2010

Global Id: T0603743580
Status: Completed - Case Closed
Status Date: 07/28/2011

Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701596
Global Id: T0603701596
Latitude: 33.78978
Longitude: -118.297052
Status: Completed - Case Closed
Status Date: 11/12/1996
Case Worker: EL
RB Case Number: 907100116
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701596
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701596
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701596
Action Type: Other
Date: 01/27/1993
Action: Leak Discovery

Global Id: T0603701596
Action Type: Other
Date: 04/30/1993
Action: Leak Reported

76 PRODUCTS STATION #2446 (Continued) **S102439885**

LUST:

Global Id:	T0603701596
Status:	Open - Case Begin Date
Status Date:	01/27/1993
Global Id:	T0603701596
Status:	Open - Site Assessment
Status Date:	04/30/1993
Global Id:	T0603701596
Status:	Completed - Case Closed
Status Date:	11/12/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100116	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603701596	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	NORMANDIE AVE.	
Enforcement Type:	Not reported	
Date Leak Discovered:	1/27/1993	
Date Leak First Reported:		4/30/1993
Date Leak Record Entered:	3/16/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		11/12/1996
Date the Case was Closed:		11/12/1996
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	OLD CASE #031252	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6501.98977917876315845866729 27
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		4/30/1993
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported

76 PRODUCTS STATION #2446 (Continued) **S102439885**

Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: TOSCO/76 PRODUCTS TEAM
RP Address: 555 ANTON, COSTA MESA, CA 92626
Program: LUST
Lat/Long: 33.7900814 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907100116

C33 **UNOCAL SERVICE STATION #2446** **HIST UST** **S113008829**
NE **1150 W PACIFIC COAST HWY** **HAZNET** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 8 of 11 in cluster C**

Relative: **Higher**

Actual: **49 ft.**

HIST UST:
File Number: 000292C3
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000292C3.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

HAZNET:
envid: S113008829

UNOCAL SERVICE STATION #2446 (Continued) **S113008829**

Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD028409019
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues 10 percent or more
Disposal Method:	Treatment, Tank
Tons:	.2627
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Tons:	.4170
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO
Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	.2502
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	S113008829
Year:	1995
GEPAID:	CAD981645195
Contact:	UNION OIL CO

UNOCAL SERVICE STATION #2446 (Continued) **S113008829**

Telephone:	7144286560
Mailing Name:	Not reported
Mailing Address:	PO BOX 25376
Mailing City,St,Zip:	SANTA ANA, CA 927995376
Gen County:	Not reported
TSD EPA ID:	CAD982484933
TSD County:	Not reported
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Disposal, Other
Tons:	.1750
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

C34 **K KIM'S UNION STATION 2446** **SWEEPS UST** **S103993467**
NE **1150 W PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 9 of 11 in cluster C**

Relative: **Higher**

Actual: **49 ft.**

SWEEPS UST:

Status:	Active
Comp Number:	1784
Number:	1
Board Of Equalization:	44-000051
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001784-000001
Tank Status:	A
Capacity:	12000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Status:	Active
Comp Number:	1784
Number:	1
Board Of Equalization:	44-000051
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001784-000002
Tank Status:	A
Capacity:	12000
Active Date:	04-20-88
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Status:	Active
Comp Number:	1784
Number:	1

K KIM'S UNION STATION 2446 (Continued) **S103993467**

Board Of Equalization:	44-000051
Referral Date:	02-24-93
Action Date:	02-24-93
Created Date:	02-29-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-001784-000003
Tank Status:	A
Capacity:	500
Active Date:	04-20-88
Tank Use:	OIL
STG:	W
Content:	WASTE OIL
Number Of Tanks:	Not reported

C35 **KIMS UNION** **EDR Hist Auto** **1020419490**
NE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 10 of 11 in cluster C**

Relative: EDR Hist Auto
Higher

Actual:
49 ft.

Year:	Name:	Type:
1989	KIMS UNION	Gasoline Service Stations
1990	KIMS UNION	Gasoline Service Stations
1991	KIMS UNION	Gasoline Service Stations
1992	KIMS UNION	Gasoline Service Stations
1993	KIMS UNION	Gasoline Service Stations

C36 **SERVICE STATION 2446** **HIST UST** **U001565353**
NE **1150 PACIFIC COAST HWY** **N/A**
< 1/8 **HARBOR CITY, CA 90710**
0.109 mi.
575 ft. **Site 11 of 11 in cluster C**

Relative: HIST UST:
Higher

Actual:
49 ft.

File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000029438
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	DUK KUN KIM
Telephone:	2135305323
Owner Name:	UNION OIL COMPANY OF CALIFORNI
Owner Address:	3701 WILSHIRE BOULEVARD-SUITE
Owner City,St,Zip:	LOS ANGELES, CA 90010
Total Tanks:	0003
Tank Num:	001
Container Num:	2446-1
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported

SERVICE STATION 2446 (Continued) **U001565353**

Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	002
Container Num:	2446-2
Year Installed:	1966
Tank Capacity:	00009940
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	2446-4
Year Installed:	1966
Tank Capacity:	00000280
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test

G37 **JACK WOOD PLUMBING INC** **SWEEPS UST** **S106927653**
West **25841 BELLE PORTE AVE** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.130 mi.
686 ft. **Site 1 of 3 in cluster G**

Relative: **Higher**

Actual: **46 ft.**

SWEEPS UST:

Status:	Not reported
Comp Number:	2346
Number:	Not reported
Board Of Equalization:	44-012302
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002346-000001
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	3
Status:	Not reported
Comp Number:	2346
Number:	Not reported
Board Of Equalization:	44-012302
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002346-000002
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT

JACK WOOD PLUMBING INC (Continued) **S106927653**

Content:	UNKNOWN
Number Of Tanks:	Not reported
Status:	Not reported
Comp Number:	2346
Number:	Not reported
Board Of Equalization:	44-012302
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	19-050-002346-000003
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	CHEMICAL
STG:	PRODUCT
Content:	UNKNOWN
Number Of Tanks:	Not reported

E38 **TRIWEST DISTRIBUTORS, LLC** **UST** **U003781704**
WNW **1401 PACIFIC COAST HWY** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.138 mi.
729 ft. **Site 2 of 3 in cluster E**

Relative: UST:
Higher

Facility ID:	25480
Permitting Agency:	LOS ANGELES, CITY OF
Latitude:	33.7909612
Longitude:	-118.3001392

Actual:
49 ft.

E39 **GARY ANDERSON** **SWEEPS UST** **S106926556**
WNW **1401 W PACIFIC COAST HWY** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.138 mi.
729 ft. **Site 3 of 3 in cluster E**

Relative: SWEEPS UST:
Higher

Status:	Not reported
Comp Number:	7256
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

Actual:
49 ft.

F40
WSW
1/8-1/4
0.141 mi.
747 ft.

BACK DOOR PRODUCTION
1416 W 259TH STREET
HAWAIIAN GARDENS, CA 90716

Site 4 of 5 in cluster F

RCRA-SQG
FINDS
ECHO

1000266359
CAD981674625

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	BACK DOOR PRODUCTION
Facility address:	1416 W 259TH STREET HAWAIIAN GARDENS, CA 90716
EPA ID:	CAD981674625
Mailing address:	W 259TH STREET HAWAIIAN GARDENS, CA 90716
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DONALD GARVEY
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

BACK DOOR PRODUCTION (Continued) **1000266359**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002746324

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000266359
Registry ID:	110002746324
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002746324

H41 **MR DRYCLEAN** **DRYCLEANERS** **S121699077**
NE **1111 W PACIFIC COAST HWY #18** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.149 mi.
785 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
51 ft.

DRYCLEAN SOUTH COAST:

Facility ID:	65405
Application Number:	181428
Permit Number:	D06530
Status:	I
Representative Name:	RAMESH PATEL
Representative Telephone:	213 5392805
Permit Status:	EXPIRED
BCAT Number:	000234
BCAT Description:	DRY CLEANING EQUIP PERCHLOROETHYLENE
UTM East:	0
UTM North:	0

F42
West
1/8-1/4
0.152 mi.
805 ft.

SPACEONICS INDUSTRIES INC
1429 W 259TH ST
HARBOR CITY, CA 90710

Site 5 of 5 in cluster F

RCRA-SQG
FINDS
ECHO

1000168899
CAD982358244

Relative:
Higher

Actual:
50 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	SPACEONICS INDUSTRIES INC
Facility address:	1429 W 259TH ST HARBOR CITY, CA 90710
EPA ID:	CAD982358244
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	RICHARD SKAFF
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SPACEONICS INDUSTRIES INC (Continued) **1000168899**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:
Date form received by agency: 10/28/1987
Site name: SPACEONICS INDUSTRIES INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002801013

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000168899
Registry ID: 110002801013
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002801013

G43 **DIRO ALFA ROMEO** **RCRA-SQG** **1000324038**
WNW **1414 W PACIFIC COAST HWY** **FINDS** **CAD981445745**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.154 mi. **HAZNET**
811 ft. **Site 2 of 3 in cluster G**

Relative: Higher
Actual: 51 ft.

RCRA-SQG:
Date form received by agency: 09/15/1986
Facility name: DIRO ALFA ROMEO
Facility address: 1414 W PACIFIC COAST HWY
HARBOR CITY, CA 90710
EPA ID: CAD981445745

DIRO ALFA ROMEO (Continued) **1000324038**

Contact:	ENVIRONMENTAL MANAGER
Contact address:	1414 W PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-539-5582
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	THALMANN ROBERT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

DIRO ALFA ROMEO (Continued) **1000324038**

Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002709597

Environmental Interest/Information System
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000324038
Registry ID:	110002709597
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002709597

HAZNET:

envid:	1000324038
Year:	2005
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.56
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1000324038
Year:	2005
GEPAID:	CAD981445745
Contact:	ROBERT THALMANN
Telephone:	--
Mailing Name:	Not reported
Mailing Address:	1414 PACIFIC COAST HWY # W
Mailing City,St,Zip:	HARBOR CITY, CA 907100000

DIRO ALFA ROMEO (Continued) **1000324038**

Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.25
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000324038
Year: 2004
GEPAID: CAD981445745
Contact: ROBERT THALMANN
Telephone: --
Mailing Name: Not reported
Mailing Address: 1414 PACIFIC COAST HWY # W
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Tons: 2.29
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000324038
Year: 2003
GEPAID: CAD981445745
Contact: ROBERT THALMANN
Telephone: --
Mailing Name: Not reported
Mailing Address: 1414 PACIFIC COAST HWY # W
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.45
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000324038
Year: 2003
GEPAID: CAD981445745
Contact: ROBERT THALMANN
Telephone: --
Mailing Name: Not reported
Mailing Address: 1414 PACIFIC COAST HWY # W
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD099452708
TSD County: Not reported

DIRO ALFA ROMEO (Continued) **1000324038**

Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	1.04
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

G44 **DIRO KG INC** **SWEEPS UST** **S106925402**
WNW **1414 PACIFIC COAST HWY** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.154 mi.
811 ft. **Site 3 of 3 in cluster G**

Relative: Higher
Actual: 51 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	7585
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

I45 **CITY INDUSTRIAL TOOL AND DIE** **RCRA-SQG** **1004677954**
North **25524 FRAMPTON** **FINDS** **CAR000103374**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.157 mi. **HAZNET**
830 ft. **Site 1 of 3 in cluster I**

Relative: Higher
Actual: 43 ft.

RCRA-SQG:

Date form received by agency:	08/17/2001
Facility name:	CITY INDUSTRIAL TOOL AND DIE
Facility address:	25524 FRAMPTON HARBOR CITY, CA 90710
EPA ID:	CAR000103374
Contact:	GLORIA FAY
Contact address:	25524 FRAMPTON HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-530-1234
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

CITY INDUSTRIAL TOOL AND DIE (Continued) **1004677954**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CITY INDUSTRIAL TOOL AND DIE
Owner/operator address:	25524 FRAMPTON HARBOR CITY, CA 90710
Owner/operator country:	Not reported
Owner/operator telephone:	310-530-1234
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D039
. Waste name:	TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110012240119

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

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CITY INDUSTRIAL TOOL AND DIE (Continued) **1004677954**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004677954
Registry ID:	110012240119
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012240119

HAZNET:

envid:	1004677954
Year:	2011
GEPAID:	CAR000103374
Contact:	STEVE KULJIS / OWNER
Telephone:	3105301234
Mailing Name:	Not reported
Mailing Address:	25524 Frampton
Mailing City,St,Zip:	Harbor City, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD099452708
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.38
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1004677954
Year:	2009
GEPAID:	CAR000103374
Contact:	STEVE KULJIS / OWNER
Telephone:	3105301234
Mailing Name:	Not reported
Mailing Address:	25524 Frampton
Mailing City,St,Zip:	Harbor City, CA 90710
Gen County:	Not reported
TSD EPA ID:	CAT080013352
TSD County:	Not reported
Waste Category:	Waste oil and mixed oil
Disposal Method:	Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.722
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

envid:	1004677954
Year:	2001
GEPAID:	CAR000103374
Contact:	STEVE KULJIS / OWNER
Telephone:	3105301234
Mailing Name:	Not reported
Mailing Address:	25524 Frampton
Mailing City,St,Zip:	Harbor City, CA 90710

CITY INDUSTRIAL TOOL AND DIE (Continued) **1004677954**

Gen County:	Not reported
TSD EPA ID:	CAT000613893
TSD County:	Not reported
Waste Category:	Aqueous solution with total organic residues less than 10 percent
Disposal Method:	Transfer Station
Tons:	0.83
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

I46 **DE CUIR MACH INC** **RCRA-SQG 1000152910**
North **25520 FRAMPTON AVE** **FINDS CAD982349938**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.164 mi.
868 ft. **Site 2 of 3 in cluster I**

Relative:
Lower

Actual:
42 ft.

RCRA-SQG:

Date form received by agency:	04/10/1997
Facility name:	DE CUIR MACH INC
Facility address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
EPA ID:	CAD982349938
Contact:	FRED WESTLAND
Contact address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-539-4651
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	DE CUIR MACH INC
Owner/operator address:	25520 FRAMPTON AVE HARBOR CITY, CA 90710
Owner/operator country:	Not reported
Owner/operator telephone:	310-539-4651
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

DE CUIR MACH INC (Continued) **1000152910**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002799286

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000152910
Registry ID: 110002799286
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002799286

J47 **H & H CUSTOM BODY** **RCRA-SQG** **1000455498**
NNE **25603 S NORMANDIE** **FINDS** **CAD982495517**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.165 mi. **HAZNET**
869 ft. **Site 1 of 4 in cluster J**

Relative: Higher
Actual: 49 ft.

RCRA-SQG:
Date form received by agency: 08/06/1990
Facility name: H & H CUSTOM BODY
Facility address: 25603 S NORMANDIE
HARBOR CITY, CA 90710

H & H CUSTOM BODY (Continued) **1000455498**

EPA ID:	CAD982495517
Mailing address:	S NORMANDIE HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25603 S NORMANDIE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-926-3002
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAM HERNANDEZ
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

H & H CUSTOM BODY (Continued) **1000455498**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002831259

Environmental Interest/Information System
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000455498
Registry ID: 110002831259
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002831259

HAZNET:
envid: 1000455498
Year: 1993
GEPAID: CAD982495517
Contact: SAM HERNANDEZ
Telephone: 4155551212
Mailing Name: Not reported
Mailing Address: 25603 S NORMANDIE
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.1459
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

H48 **MR DRY CLEAN** **RCRA-SQG 1000597580**
NE **1111 PCH UNIT 8** **FINDS CAD983615956**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.168 mi.
885 ft. **Site 2 of 2 in cluster H**

Relative: Higher
Actual: 47 ft.

RCRA-SQG:
Date form received by agency: 01/13/1992
Facility name: MR DRY CLEAN
Facility address: 1111 PCH UNIT 8

MR DRY CLEAN (Continued) **1000597580**

HARBOR CITY, CA 90710
EPA ID: CAD983615956
Mailing address: PCH UNIT EIGHTH
HARBOR CITY, CA 90710
Contact: HEE PARK
Contact address: 1111 PCH UNIT EIGHTH
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-539-2805
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HEE PARK
Owner/operator address: 1111 PCH UNIT 8
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 213-539-2805
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002866710

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

MR DRY CLEAN (Continued) **1000597580**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000597580
Registry ID:	110002866710
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002866710

J49 **HARBOR IMP CAR CARE** **RCRA-SQG** **1000164298**
NNE **25601 NORMANDIE** **FINDS** **CAD981684111**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.172 mi.
907 ft. **Site 2 of 4 in cluster J**

Relative:
Higher

Actual:
51 ft.

RCRA-SQG:

Date form received by agency:	10/17/1986
Facility name:	HARBOR IMP CAR CARE
Facility address:	25601 NORMANDIE HARBOR CITY, CA 90710
EPA ID:	CAD981684111
Mailing address:	NORMANDIE HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25601 NORMANDIE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-9357
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	DAVE SMITH
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

HARBOR IMP CAR CARE (Continued) **1000164298**

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002751451

Environmental Interest/Information System
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000164298
Registry ID: 110002751451
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002751451

50
SE
1/8-1/4
0.172 mi.
910 ft.

K & S RUBBISH
26300 SOUTH VERMONT
WILMINGTON, CA

WMUDS/SWAT **S103441495**
N/A

Relative:
Lower

Actual:
32 ft.

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Not reported
Primary Waste:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	K & S RUBBISH
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	K & S RUBBISH
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190250NUR
Solid Waste Information ID:	Not reported

51
SW
1/8-1/4
0.174 mi.
920 ft.

BAY MARINE
1400 W 260TH ST
TORRANCE, CA 90710

SWEEPS UST **S101585874**
CA FID UST **N/A**

Relative:
Higher

Actual:
49 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	5480
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	19032024
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2135340919
Mail To:	Not reported
Mailing Address:	1400 W 228TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	TORRANCE 907100000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

I52
North
1/8-1/4
0.176 mi.
928 ft.

MOTORSPORT TECHOLOGY
25518 FRAMPTON
HARBOR CITY, CA 90710

RCRA NonGen / NLR **1000341897**
FINDS **CAD982349995**
ECHO

Site 3 of 3 in cluster I

Relative:
Higher

Actual:
43 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/21/1987
Facility name:	MOTORSPORT TECHOLOGY
Facility address:	25518 FRAMPTON HARBOR CITY, CA 90710
EPA ID:	CAD982349995
Mailing address:	FRAMPTON HARBOR CITY, CA 90710
Contact:	ENVIRONMENTAL MANAGER
Contact address:	25518 FRAMPTON

MOTORSPORT TECHOLOGY (Continued) **1000341897**

HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-534-0969
Contact email: Not reported
EPA Region: 09
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: VELLOZZI MARTIN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002799339

MOTORSPORT TECHOLOGY (Continued) **1000341897**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000341897
Registry ID: 110002799339
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002799339

J53 **FIBRE GLASS FIN CO** **RCRA-SQG 1000355028**
NNE **1223 W 256TH ST** **HAZNET CAD981620107**
1/8-1/4 **HARBOR CITY, CA 90710**
0.184 mi.
972 ft. **Site 3 of 4 in cluster J**

Relative: Higher

Actual: 48 ft.

RCRA-SQG:
Date form received by agency: 09/01/1996
Facility name: FIBRE GLASS FIN CO
Facility address: 1223 W 256TH ST
HARBOR CITY, CA 90710
EPA ID: CAD981620107
Mailing address: W 256TH ST
HARBOR CITY, CA 90710
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MICHAEL G STAVRUS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

FIBRE GLASS FIN CO (Continued) **1000355028**

Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

HAZNET:
envid: 1000355028
Year: 2004
GEPAID: CAD981620107
Contact: NON-DELIVERABLE 4/94 FEE FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 1223 W 256TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.73
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000355028
Year: 2003
GEPAID: CAD981620107
Contact: NON-DELIVERABLE 4/94 FEE FORM

FIBRE GLASS FIN CO (Continued) **1000355028**

Telephone: --
Mailing Name: Not reported
Mailing Address: 1223 W 256TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 1.5
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000355028
Year: 2002
GEPAID: CAD981620107
Contact: NON-DELIVERABLE 4/94 FEE FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 1223 W 256TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0.22
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000355028
Year: 2002
GEPAID: CAD981620107
Contact: NON-DELIVERABLE 4/94 FEE FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 1223 W 256TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 1.37
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000355028
Year: 2001
GEPAID: CAD981620107
Contact: NON-DELIVERABLE 4/94 FEE FORM
Telephone: --
Mailing Name: Not reported
Mailing Address: 1223 W 256TH ST

FIBRE GLASS FIN CO (Continued) **1000355028**

Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD008252405
TSD County:	Not reported
Waste Category:	Unspecified solvent mixture
Disposal Method:	Recycler
Tons:	0.91
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
8 additional CA_HAZNET: record(s) in the EDR Site Report.

K54 **KAISER PERMANENTE MEDICAL CENTER** **ENVIROSTOR** **1004442884**
East **25825 S VERMONT AVE** **HIST UST** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710** **FINDS**
0.184 mi. **EMI**
974 ft. **Site 1 of 2 in cluster K** **LA Co. Site Mitigation**

Relative:
Lower

Actual:
40 ft.

ENVIROSTOR:

Facility ID:	71002808
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.78904
Longitude:	-118.2940
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD981396716
Alias Type:	EPA Identification Number
Alias Name:	71002808
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported

KAISER PERMANENTE MEDICAL CENTER (Continued) **1004442884**

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
File Number: 0002729C
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002729C.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

FINDS:

Registry ID: 110011653816

Environmental Interest/Information System
NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

EMI:
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 43522
Air District Name: SC

KAISER PERMANENTE MEDICAL CENTER (Continued) **1004442884**

SIC Code:	8062
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2013
County Code:	19
Air Basin:	SC
Facility ID:	43522
Air District Name:	SC
SIC Code:	8060
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.69732896018
Reactive Organic Gases Tons/Yr:	0.40317
Carbon Monoxide Emissions Tons/Yr:	2.86461
NOX - Oxides of Nitrogen Tons/Yr:	1.37489
SOX - Oxides of Sulphur Tons/Yr:	0.02059
Particulate Matter Tons/Yr:	4.05677
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.92862482

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	43522
Air District Name:	SC
SIC Code:	8011
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.118864719
Reactive Organic Gases Tons/Yr:	0.76389
Carbon Monoxide Emissions Tons/Yr:	1.6479
NOX - Oxides of Nitrogen Tons/Yr:	0.86785
SOX - Oxides of Sulphur Tons/Yr:	0.01707
Particulate Matter Tons/Yr:	3.47886
Part. Matter 10 Micrometers and Smllr Tons/Yr:	2.5066368

LA Co. Site Mitigation:

Facility ID:	FA0028007
Status:	Not reported
Site ID:	SD0010042
Jurisdiction:	Not reported
Case ID:	RO0010042
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	Not reported
Abated Date:	03/11/2003

K55 **KAISER PERMANENTE SOUTH BAY MEDICAL CENTER** **RCRA-LQG** **1007199252**
East **25825 S VERMONT AVE** **PADS** **CAD981396716**
1/8-1/4 **HARBOR CITY, CA 90710**
0.184 mi.
974 ft. **Site 2 of 2 in cluster K**

Relative:
Lower

Actual:
40 ft.

RCRA-LQG:

Date form received by agency:	06/01/2016
Facility name:	KAISER PERMANENTE SOUTH BAY MEDICAL CENTER
Facility address:	25825 S VERMONT AVE HARBOR CITY, CA 90710
EPA ID:	CAD981396716
Mailing address:	S VERMONT AVE HARBOR CITY, CA 90710
Contact:	ROBERT S MAREK
Contact address:	S VERMONT AVE HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	310-517-2388
Contact email:	ROBERT.S.MAREK@KP.ORG
EPA Region:	09
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	KAISER FOUNDATION HOSPITAL
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/1956
Owner/Op end date:	Not reported

Owner/operator name:	KAISER FOUNDATION HOSPITAL INC
Owner/operator address:	KAISER PLAZA OAKLAND, CA 94612
Owner/operator country:	US
Owner/operator telephone:	310-517-6471
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Owner/Op start date: 01/01/1956
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 311
. Waste name: Pharmaceutical waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 343
. Waste name: Unspecified organic liquid mixture

. Waste code: 511
. Waste name: Empty pesticide containers 30 gallons or more

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D008

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

. Waste name: LEAD

. Waste code: D011
. Waste name: SILVER

. Waste code: D018
. Waste name: BENZENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: P081
. Waste name: NITROGLYCERINE (R)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U010
. Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: DAUNOMYCIN

. Waste code: U150
. Waste name: MELPHALAN

Historical Generators:
Date form received by agency: 06/20/1991
Site name: KAISER FOUND HLTH
Classification: Large Quantity Generator

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	5427
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	161
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	200
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	43
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	450
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs):	4286
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs):	4
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Amount (Lbs):	4

KAISER PERMANENTE SOUTH BAY MEDICAL CENTER (Continued) **1007199252**

Waste code: P081
Waste name: NITROGLYCERINE (R)
Amount (Lbs): 4

Waste code: U002
Waste name: ACETONE (I)
Amount (Lbs): 4

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-
Amount (Lbs): 754

Waste code: U035
Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-
Amount (Lbs): 750

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE
Amount (Lbs): 750

Waste code: U059
Waste name: DAUNOMYCIN
Amount (Lbs): 750

Waste code: U150
Waste name: MELPHALAN
Amount (Lbs): 750

Violation Status: No violations found

PADS:
EPAID: CAD981396716
Facility name: KAISER PERMANENTE
Facility Address: 25825 SO. VERMONT AVE
HARBOR CITY, CA 90710
Facility country: US
Generator: No
Storer: No
Transporter: No
Disposer: Yes
Research facility: No
Smelter: No
Facility owner name: KAISER PERMANENTE
Contact title: PROJECT SUPERINTENDENT
Contact name: ROY HABLITZ
Contact tel: 9493556216
Contact extension: Not reported
Mailing address: 25805-B SOUTH NORMANDIE AVE
HARBOR CITY, CA 90710
Mailing country: US
Cert. title: SENIOR PROJECT MANAGER
Cert. name: FRANCESCO PORCELLA
Cert. date: 02/23/2016
Date received: 11/17/2015

56
WNW
1/8-1/4
0.190 mi.
1004 ft.

SILVER STAR MERCEDES
1433 PACIFIC COAST HWY
HARBOR CITY, CA 90710

RCRA-SQG
FINDS
ECHO

1000430736
CAD981444912

Relative:
Higher

Actual:
61 ft.

RCRA-SQG:

Date form received by agency:	09/10/1986
Facility name:	SILVER STAR MERCEDES
Facility address:	1433 PACIFIC COAST HWY HARBOR CITY, CA 90710
EPA ID:	CAD981444912
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1433 PACIFIC COAST HWY HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-0593
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	SCHWARZ GERHARD
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

SILVER STAR MERCEDES (Continued) **1000430736**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002709052

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000430736
Registry ID:	110002709052
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002709052

J57 **JAMES J LIPPEN** **SWEEPS UST** **S106927703**
NNE **25517 S NORMANDIE AVE** **N/A**
1/8-1/4 **HARBOR CITY, CA 90710**
0.200 mi.
1057 ft. **Site 4 of 4 in cluster J**

Relative: Higher
Actual: 49 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	4751
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported

JAMES J LIPPEN (Continued) **S106927703**

Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: 0

---

58 NNW 1/8-1/4 0.212 mi. 1119 ft. **MTEC** **RCRA-SQG 1000165601**
2551 FRAMPTON **FINDS CAD981676836**
HARBOR CITY, CA 90710 **ECHO**

Relative: Higher

Actual: 48 ft.

RCRA-SQG:
Date form received by agency: 10/06/1986
Facility name: MTEC
Facility address: 2551 FRAMPTON
HARBOR CITY, CA 90710
EPA ID: CAD981676836
Mailing address: 25518 FRAMPTON
HARBOR CITY, CA 90710
Contact: ENVIRONMENTAL MANAGER
Contact address: 2551 FRAMPTON
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 415-555-1212
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: TERRY S WILLIAMS
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private

MTEC (Continued) **1000165601**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002747387

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000165601
Registry ID: 110002747387
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002747387

---

59 **LA CITY HOUSING AUTHORITY** **RCRA-SQG** **1000172454**
NE **990 W 256 ST** **FINDS** **CAD981690373**
1/8-1/4 **HARBOR CITY, CA 90710** **ECHO**
0.228 mi.
1203 ft.

Relative:
Higher

Actual:
52 ft.

RCRA-SQG:
Date form received by agency: 11/24/1986
Facility name: LA CITY HOUSING AUTHORITY
Facility address: 990 W 256 ST
HARBOR CITY, CA 90710
EPA ID: CAD981690373
Mailing address: W 256 ST

LA CITY HOUSING AUTHORITY (Continued) **1000172454**

HARBOR CITY, CA 90710
Contact: ENVIRONMENTAL MANAGER
Contact address: 990 W 256 ST
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 213-326-2175
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LA HOUSING AUTHORITY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

LA CITY HOUSING AUTHORITY (Continued) **1000172454**

Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002754207

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000172454
Registry ID: 110002754207
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002754207

60
SSE
1/8-1/4
0.237 mi.
1252 ft.

KAISER PERMANENTE
25965 S NORMANDIE AVE
HARBOR CITY, CA 90710

RCRA-SQG **1001231411**
FINDS **CAR000044842**
ECHO
HAZNET

Relative:
Higher

Actual:
43 ft.

RCRA-SQG:
Date form received by agency: 09/29/1998
Facility name: KAISER PERMANENTE
Facility address: 25965 S NORMANDIE AVE
HARBOR CITY, CA 90710
EPA ID: CAR000044842
Contact: ROBERT MAREK
Contact address: 25825 VERMONT AVE
HARBOR CITY, CA 90710
Contact country: US
Contact telephone: 310-517-2309
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: KAISER PERMANENTE
Owner/operator address: 25825 VERMONT AVE
HARBOR CITY, CA 90710
Owner/operator country: Not reported

KAISER PERMANENTE (Continued) **1001231411**

Owner/operator telephone: 310-517-2740
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D000
. Waste name: Not Defined

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110002924765

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001231411
Registry ID: 110002924765
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002924765

HAZNET:

KAISER PERMANENTE (Continued) **1001231411**

envid: 1001231411
Year: 2013
GEPAID: CAR000044842
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 25965 S NORMANDIE AVE
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Los Angeles
TSD EPA ID: CAT080013352
TSD County: Los Angeles
Waste Category: Not reported
Disposal Method: Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.741
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Not reported

envid: 1001231411
Year: 2003
GEPAID: CAR000044842
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 25965 S NORMANDIE AVE
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Tons: 0.42
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001231411
Year: 2003
GEPAID: CAR000044842
Contact: --
Telephone: --
Mailing Name: Not reported
Mailing Address: 25965 S NORMANDIE AVE
Mailing City,St,Zip: HARBOR CITY, CA 907100000
Gen County: Not reported
TSD EPA ID: CAT080033681
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Treatment, Incineration
Tons: 0.03
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1001231411
Year: 1999

KAISER PERMANENTE (Continued) **1001231411**

GEPAID:	CAR000044842
Contact:	Not reported
Telephone:	0000000000
Mailing Name:	Not reported
Mailing Address:	25965 S NORMANDIE AVE
Mailing City,St,Zip:	HARBOR CITY, CA 907100000
Gen County:	Not reported
TSD EPA ID:	CAD000013493
TSD County:	Not reported
Waste Category:	Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	Not reported
Tons:	.0150
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

61
NNE
1/8-1/4
0.240 mi.
1267 ft.

ACCU-COAT PROCESS CO
1233 W 255 ST
HARBOR CITY, CA 90710

RCRA-SQG **1000423937**
FINDS **CAT000611012**
ECHO

Relative:
Higher

Actual:
48 ft.

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	ACCU-COAT PROCESS CO
Facility address:	1233 W 255 ST HARBOR CITY, CA 90710
EPA ID:	CAT000611012
Mailing address:	1233 W. SECOND HUNDRED FIFTY F HARBOR CITY, CA 90710
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

ACCU-COAT PROCESS CO (Continued) **1000423937**

Owner/operator name: SABEMA CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: 415-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/06/1980
Site name: ACCU-COAT PROCESS CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002942709

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000423937
Registry ID: 110002942709

ACCU-COAT PROCESS CO (Continued) **1000423937**

DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002942709

62
West
1/8-1/4
0.241 mi.
1275 ft.

E C M INC
1515 W 259TH ST
HARBOR CITY, CA 90710

RCRA-SQG **1000122888**
FINDS **CAD982019697**
ECHO
HAZNET

Relative:
Higher

Actual:
69 ft.

RCRA-SQG:

Date form received by agency:	07/31/1987
Facility name:	E C M INC
Facility address:	1515 W 259TH ST HARBOR CITY, CA 90710
EPA ID:	CAD982019697
Contact:	ENVIRONMENTAL MANAGER
Contact address:	1515 W SECOND HUNDRED FIFTY NI HARBOR CITY, CA 90710
Contact country:	US
Contact telephone:	213-530-3456
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	W KIRCHOFF
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

E C M INC (Continued) **1000122888**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002777987

Environmental Interest/Information System

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1000122888
Registry ID: 110002777987
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002777987

HAZNET:

envid: 1000122888
Year: 2007
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site

E C M INC (Continued) **1000122888**

Tons: 0.1
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000122888
Year: 2006
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD003963592
TSD County: Not reported
Waste Category: Other inorganic solid waste
Disposal Method: Recycler
Tons: 0.17
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000122888
Year: 2005
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Not reported
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

envid: 1000122888
Year: 2004
GEPAID: CAD982019697
Contact: CRAIG CARLSON
Telephone: 3105303456
Mailing Name: Not reported
Mailing Address: 1515 W 259TH ST
Mailing City,St,Zip: HARBOR CITY, CA 907103328
Gen County: Not reported
TSD EPA ID: CAD008252405
TSD County: Not reported
Waste Category: Unspecified solvent mixture
Disposal Method: Recycler
Tons: 0.12
Cat Decode: Not reported
Method Decode: Not reported

E C M INC (Continued) **1000122888**

Facility County:	Los Angeles
envid:	1000122888
Year:	2004
GEPAID:	CAD982019697
Contact:	CRAIG CARLSON
Telephone:	3105303456
Mailing Name:	Not reported
Mailing Address:	1515 W 259TH ST
Mailing City,St,Zip:	HARBOR CITY, CA 907103328
Gen County:	Not reported
TSD EPA ID:	CAD003963592
TSD County:	Not reported
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Tons:	0.54
Cat Decode:	Not reported
Method Decode:	Not reported
Facility County:	Los Angeles

Click this hyperlink while viewing on your computer to access
12 additional CA_HAZNET: record(s) in the EDR Site Report.

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63 **COLLIER CARBON & CHEMICAL** **HIST CORTESE** **S105027429**
SSW **1480 ANAHEIM** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.277 mi.
1465 ft.

Relative: **Higher**
Actual: **72 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19281005

L64 **TALENT METAL PRODUCTS** **RCRA-SQG** **1000208642**
North **1234 W 254TH ST** **LUST** **CAD008480980**
1/4-1/2 **HARBOR CITY, CA 90710** **HIST UST**
0.289 mi.
1524 ft. **Site 1 of 2 in cluster L**

Relative: **Higher**
Actual: **53 ft.**

RCRA-SQG:

Date form received by agency:	09/01/1996
Facility name:	TALENT METAL PRODUCTS
Facility address:	1234 W 254TH ST HARBOR CITY, CA 90710
EPA ID:	CAD008480980
Contact:	Not reported
Contact address:	Not reported Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	09
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous

TALENT METAL PRODUCTS (Continued) **1000208642**

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SABEMA CORP
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/01/1996
Site name:	TALENT METAL PRODUCTS
Classification:	Small Quantity Generator

Date form received by agency:	08/06/1980
Site name:	TALENT METAL PRODUCTS

TALENT METAL PRODUCTS (Continued) **1000208642**

Classification: Large Quantity Generator

Violation Status: No violations found

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000003267
Global Id: T10000003267
Latitude: 33.7934857406144
Longitude: -118.297970294952
Status: Completed - Case Closed
Status Date: 07/11/2016
Case Worker: AT
RB Case Number: 907100189
Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

LUST:
Global Id: T10000003267
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

LUST:
Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 09/19/2011
Action: Referral to Regional Board

Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 07/11/2016
Action: Closure/No Further Action Letter

Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 10/21/2011
Action: Staff Letter

Global Id: T10000003267
Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Notification - Preclosure

LUST:
Global Id: T10000003267
Status: Open - Case Begin Date
Status Date: 09/19/2011

TALENT METAL PRODUCTS (Continued) **1000208642**

Global Id: T10000003267
Status: Open - Site Assessment
Status Date: 09/19/2011

Global Id: T10000003267
Status: Open - Eligible for Closure
Status Date: 05/04/2016

Global Id: T10000003267
Status: Completed - Case Closed
Status Date: 07/11/2016

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000046990
Facility Type: Other
Other Type: MANUFACTURING
Contact Name: ANDY DETHLEFF
Telephone: 2133256900
Owner Name: TALENT METAL PRODUCTS
Owner Address: 1234 W. 254TH ST.
Owner City,St,Zip: HARBOR CITY, CA 90710
Total Tanks: 0001

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00007500
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

---

65 **TRANS WORLD OIL CORPORATI** **HIST CORTESE** **S102439202**
SW **1532 ANAHEIM** **N/A**
1/4-1/2 **LONG BEACH, CA**
0.301 mi.
1589 ft.

Relative: **Higher**
Actual: **77 ft.**

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 908061043

66
SSE
1/4-1/2
0.303 mi.
1599 ft.

MACHADO LAKE
25820 VERMONT AVENUE
HARBOR CITY, CA 90710

ENVIROSTOR
VCP

S111022969
N/A

Relative:
Lower

Actual:
17 ft.

ENVIROSTOR:

Facility ID:	60001470
Status:	Active
Status Date:	05/15/2014
Site Code:	900247
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	291
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Robert Senga
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.79288
Longitude:	-118.2907
APN:	NONE SPECIFIED
Past Use:	LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC:	DDD DDE DDT Polynuclear aromatic hydrocarbons (PAHs Silver Aluminum Antimony and compounds Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds Iron PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Selenium Titanium Zinc
Confirmed COC:	DDD DDE DDT Titanium Polynuclear aromatic hydrocarbons (PAHs Aluminum Antimony and compounds PCBs (unspeciated mixture, high risk, e.g. Aroclor 1254 Selenium Cadmium and compounds Chromium III Chromium VI Copper and compounds Zinc Iron Cobalt Silver
Potential Description:	OTH, SOIL, SURFW
Alias Name:	401557
Alias Type:	Project Code (Site Code)
Alias Name:	900247
Alias Type:	Project Code (Site Code)
Alias Name:	60001470
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/18/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	01/22/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

MACHADO LAKE (Continued) **S111022969**

Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2014
Comments: Reimbursement Agreement #10-T1135 Amendment # 3

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 05/15/2014
Comments: 2014-2015 REW and Cost Estimate Letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/12/2013
Comments: Fully Executed Standard Agreement Amendment

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/31/2011
Comments: Annual Cost Estimate letter completed on 10/31//2011

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 12/12/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/30/2013
Comments: DTSC Submitted Annual Cost Estomate Letter and REW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/18/2012
Comments: DTSC approved the revised Remedial Investigation Work Plan on 3/27/2012 DTSC will deactivate this project in our database for the time being, until we hear back from the City of LA that the Ken Malloy Harbor Regional Park Former Disposal Site is back on track to resume the proposed work, then we ll re-activate it. Thank you all for your help in updating me on the status of this project. Sue Hakim, M.S. Remedial Project Manager Brownfields and Environmental Restoration Program Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630 Phone:(714) 484-5381 soad.hakim@dtsc.ca.gov From: Julie Allen [mailto:julie.allen@lacity.org] Sent: Thursday, October 18, 2012 11:18 AM To: Hakim, Soad@DTSC Cc: Bache, Stephanie; Senga,

MACHADO LAKE (Continued) **S111022969**

Robert@DTSC; Kourda, Dina@DTSC; Thompson, Jennifer K.; Gratwick, Stephen; Katherine Doherty; David Attaway Subject: Re: Ken Malloy Harbor Regional Park Former Disposal Site (Machado Lake) For clarification, I am the City of Los Angeles project manager for the Machado Lake Rehabilitation Project, which will be in construction beginning in 2013. This project includes improvements to the lake and other areas at the Ken Malloy Harbor Regional Park, but does not include any work related to the former disposal site. The disposal site area will not be impacted by the construction project. From my understanding, a Work Plan related to testing at the disposal site was prepared and reviewed by DTSC, but the implementation of the Work Plan is not part of the scope of this project. The park is under the ownership of the City of Los Angeles Department of Recreation and Parks (RAP). The contact person for RAP is David Attaway, whom I have copied on this email. It is not anticipated that RAP will be performing any work related to the former disposal site while the Lake Rehabilitation construction project is in progress, which is expected to end in 2016. Please let me know if I can be of any further assistance. Thank you, Julie Allen, PE Senior Construction Engineer/PM II Proposition O Clean Water Bond Program Bureau of Engineering 1149 S. Broadway, 6th Floor Los Angeles, CA 90015 213-485-1454 (phone)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/29/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/02/2011
Comments: Reimbursement Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 01/07/2015

MACHADO LAKE (Continued) **S111022969**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2012
Comments: the amendment to extend this contract to 06/30/2013 was fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/12/2014
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 05/05/2019
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 04/03/2019
Schedule Revised Date: Not reported

VCP:
Facility ID: 60001470
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 291
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Site Code: 900247
Assembly: 66
Senate: 35
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 05/15/2014
Restricted Use: NO
Funding: Responsible Party

MACHADO LAKE (Continued) **S111022969**

Lat/Long:	33.79288 / -118.2907
APN:	NONE SPECIFIED
Past Use:	LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE
Potential COC:	30006, 30007, 30008, 30019, 30021, 30047, 30058, 30108, 30152, 30153, 30154, 30156, 30335, 30470, 30515, 30549, 30594
Confirmed COC:	30006,30007,30008,30549,30019,30047,30058,30470,30515,30108,30152, 30153,30156,30594,30335,30154,30021
Potential Description:	OTH, SOIL, SURFW
Alias Name:	401557
Alias Type:	Project Code (Site Code)
Alias Name:	900247
Alias Type:	Project Code (Site Code)
Alias Name:	60001470
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	11/18/2016
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	01/22/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/26/2014
Comments:	Reimbursement Agreement #10-T1135 Amendment # 3
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	05/15/2014
Comments:	2014-2015 REW and Cost Estimate Letter
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	06/12/2013
Comments:	Fully Executed Standard Agreement Amendment
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/31/2011
Comments:	Annual Cost Estimate letter completed on 10/31//2011
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Reimbursement Agreement
Completed Date:	12/12/2017
Comments:	Not reported

MACHADO LAKE (Continued) **S111022969**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 12/21/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 07/30/2013
Comments: DTSC Submitted Annual Cost Estomate Letter and REW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 10/18/2012
Comments: DTSC approved the revised Remedial Investigation Work Plan on 3/27/2012 DTSC will deactivate this project in our database for the time being, until we hear back from the City of LA that the Ken Malloy Harbor Regional Park Former Disposal Site is back on track to resume the proposed work, then we ll re-activate it. Thank you all for your help in updating me on the status of this project. Sue Hakim, M.S. Remedial Project Manager Brownfields and Environmental Restoration Program Department of Toxic Substances Control 5796 Corporate Avenue Cypress, California 90630 Phone:(714) 484-5381 soad.hakim@dtsc.ca.gov From: Julie Allen [mailto:julie.allen@lacity.org] Sent: Thursday, October 18, 2012 11:18 AM To: Hakim, Soad@DTSC Cc: Bache, Stephanie; Senga, Robert@DTSC; Kourda, Dina@DTSC; Thompson, Jennifer K.; Gratwick, Stephen; Katherine Doherty; David Attaway Subject: Re: Ken Malloy Harbor Regional Park Former Disposal Site (Machado Lake) For clarification, I am the City of Los Angeles project manager for the Machado Lake Rehabilitation Project, which will be in construction beginning in 2013. This project includes improvements to the lake and other areas at the Ken Malloy Harbor Regional Park, but does not include any work related to the former disposal site. The disposal site area will not be impacted by the construction project. From my understanding, a Work Plan related to testing at the disposal site was prepared and reviewed by DTSC, but the implementation of the Work Plan is not part of the scope of this project. The park is under the ownership of the City of Los Angeles Department of Recreation and Parks (RAP). The contact person for RAP is David Attaway, whom I have copied on this email. It is not anticipated that RAP will be performing any work related to the former disposal site while the Lake Rehabilitation construction project is in progress, which is expected to end in 2016. Please let me know if I can be of any further assistance. Thank you, Julie Allen, PE Senior Construction Engineer/PM II Proposition O Clean Water Bond Program Bureau of Engineering 1149 S. Broadway, 6th Floor Los Angeles, CA 90015 213-485-1454 (phone)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/29/2015
Comments: Not reported

MACHADO LAKE (Continued) **S111022969**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/11/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/20/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/02/2011
Comments: Reimbursement Agreement fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 01/07/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Post HARP Form
Completed Date: 02/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Reimbursement Agreement
Completed Date: 06/26/2012
Comments: the amendment to extend this contract to 06/30/2013 was fully executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/12/2014
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2019
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Workplan
Schedule Due Date: 05/05/2019

MACHADO LAKE (Continued) **S111022969**

Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 04/03/2019
Schedule Revised Date: Not reported

L67 **BUMPERLINE/SABEMA** **ENVIROSTOR** **S103626302**
North **1234 W. 254TH STREET** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.308 mi.
1624 ft. **Site 2 of 2 in cluster L**

Relative:
Higher

Actual:
50 ft.

ENVIROSTOR:
Facility ID: 71003661
Status: Refer: RWQCB
Status Date: 09/19/2011
Site Code: 300845
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Johnson Abraham
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.79375
Longitude: -118.2979
APN: NONE SPECIFIED
Past Use: METAL PLATING - CHROME
Potential COC: Tetrachloroethylene (PCE TPH-gas Chromium VI
Confirmed COC: Tetrachloroethylene (PCE TPH-gas Chromium VI
Potential Description: SOIL
Alias Name: CAD008480980
Alias Type: EPA Identification Number
Alias Name: 300845
Alias Type: Project Code (Site Code)
Alias Name: 71003661
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/31/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 03/30/2004

BUMPERLINE/SABEMA (Continued) **S103626302**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/24/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/22/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other
Completed Date: 09/23/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/21/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

68
SSE
1/4-1/2
0.313 mi.
1655 ft.

K&S RUBBISH AKA KEN MALLOY REGIONAL PARK
ANAHEIM ST. NEAR VERMONT AVE.
HARBOR CITY (IN LOS ANGELES), CA

SWF/LF **S109821514**
N/A

Relative:
Higher

Actual:
43 ft.

SWF/LF (SWIS):

Facility ID:	19-AR-5154
Lat/Long:	33.78346 / -118.29714
Owner Name:	Not reported
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	Not reported
Owner City,St,Zip:	Not reported
Operational Status:	Not reported
Operator:	Not reported
Operator Phone:	Not reported
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	Not reported
Activity:	Not reported
Regulation Status:	Not reported
Landuse Name:	Park,Commercial
GIS Source:	GPS
Category:	Not reported
Unit Number:	Not reported
Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Closure Date:	Not reported
Closure Type:	Not reported
Disposal Acreage:	Not reported
SWIS Num:	19-AR-5154
Waste Discharge Requirement Num:	Not reported
Program Type:	Not reported
Permitted Throughput with Units:	Not reported
Actual Throughput with Units:	Not reported
Permitted Capacity with Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity with Units:	Not reported
Lat/Long:	33.78346 / -118.29714

M69
ENE
1/4-1/2
0.322 mi.
1698 ft.

KAISER FONDATION HOSPITALS
25825 SOUTH VERMONT AVENUE
HARBOR CITY, CA 90710

Site 1 of 2 in cluster M

LUST **1001614020**
CPS-SLIC **N/A**
NPDES
CIWQS

Relative:
Lower

Actual:
27 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603797590
Global Id:	T0603797590
Latitude:	33.78879
Longitude:	-118.294057
Status:	Completed - Case Closed
Status Date:	08/12/2004
Case Worker:	CET

KAISER FONDATION HOSPITALS (Continued) **1001614020**

RB Case Number: 907100161
Local Agency: LOS ANGELES, CITY OF
File Location: Local Agency
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603797590
Contact Type: Regional Board Caseworker
Contact Name: CHANDRA TYLER
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: cetyler@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603797590
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 08/12/2004
Action: Closure/No Further Action Letter

Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 07/15/2003
Action: Staff Letter

Global Id: T0603797590
Action Type: ENFORCEMENT
Date: 05/24/2004
Action: Site Visit / Inspection / Sampling

Global Id: T0603797590
Action Type: Other
Date: 06/12/2003
Action: Leak Reported

Global Id: T0603797590
Action Type: RESPONSE
Date: 08/15/2003
Action: Other Report / Document

Global Id: T0603797590
Action Type: Other
Date: 01/01/1996
Action: Leak Discovery

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Global Id: T0603797590
Action Type: REMEDIATION
Date: 06/12/2003
Action: Other (Use Description Field)

LUST:
Global Id: T0603797590
Status: Open - Case Begin Date
Status Date: 01/01/1996

Global Id: T0603797590
Status: Open - Site Assessment
Status Date: 06/12/2003

Global Id: T0603797590
Status: Completed - Case Closed
Status Date: 08/12/2004

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 12/03/2009
Global Id: T10000001213
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.789101
Longitude: -118.2939319
Case Type: Cleanup Program Site
Case Worker: GAC
Local Agency: Not reported
RB Case Number: 1242
File Location: Not reported
Potential Media Affected: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

NPDES:
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 4 19C356486
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	11/03/2017
Operator Name:	Kaiser Fondation Hospitals
Operator Address:	25825 South Vermont Avenue
Operator City:	Harbor City
Operator State:	California
Operator Zip:	90710

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	400197
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C356486
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/11/2017
Discharge Name:	Kaiser Fondation Hospitals
Discharge Address:	25825 South Vermont Avenue
Discharge City:	Harbor City
Discharge State:	California
Discharge Zip:	90710
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	400197
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C356486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	10/05/2009
Processed Date:	10/07/2009
Status:	Active
Status Date:	04/19/2017
Place Size:	23.6
Place Size Unit:	Acres
Contact:	Francesco Porcella
Contact Title:	Sr. Project Manager

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Contact Phone:	424-251-7781
Contact Phone Ext:	Not reported
Contact Email:	francesco.r.porcella@kp.org
Operator Name:	Kaiser Fondation Hospitals
Operator Address:	25825 South Vermont Avenue
Operator City:	Harbor City
Operator State:	California
Operator Zip:	90710
Operator Contact:	Francesco Porcella
Operator Contact Title:	Sr. Project Manager
Operator Contact Phone:	424-251-7781
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	francesco.r.porcella@kp.org
Operator Type:	Private Business
Developer:	Kaiser Fondation Hospitals
Developer Address:	25825 South Vermont Avenue
Developer City:	Harbor City
Developer State:	California
Developer Zip:	90710
Developer Contact:	Francesco Porcella
Developer Contact Title:	Sr. Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	999-999-9999
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake Muchado
Certifier:	Francesco Porcella
Certifier Title:	Sr Proj Mgr
Certification Date:	24-JUN-16
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	4
Agency Number:	0
Regulatory Measure ID:	400197
Place ID:	Not reported
Order Number:	2009-0009-DWQ

KAISER FONDATION HOSPITALS (Continued) **1001614020**

WDID:	4 19C356486
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2009
Termination Date Of Regulatory Measure:	04/11/2017
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	25825 South Vermont Avenue
Discharge Name:	Kaiser Fondation Hospitals
Discharge City:	Harbor City
Discharge State:	California
Discharge Zip:	90710
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	4
Regulatory Measure ID:	400197
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	4 19C356486
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	10/07/2009
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/11/2017
Discharge Name:	Kaiser Fondation Hospitals
Discharge Address:	25825 South Vermont Avenue
Discharge City:	Harbor City
Discharge State:	California
Discharge Zip:	90710
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	400197
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C356486
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

Discharge Zip:	Not reported
Received Date:	10/05/2009
Processed Date:	10/07/2009
Status:	Active
Status Date:	04/19/2017
Place Size:	23.6
Place Size Unit:	Acres
Contact:	Francesco Porcella
Contact Title:	Sr. Project Manager
Contact Phone:	424-251-7781
Contact Phone Ext:	Not reported
Contact Email:	francesco.r.porcella@kp.org
Operator Name:	Kaiser Fondation Hospitals
Operator Address:	25825 South Vermont Avenue
Operator City:	Harbor City
Operator State:	California
Operator Zip:	90710
Operator Contact:	Francesco Porcella
Operator Contact Title:	Sr. Project Manager
Operator Contact Phone:	424-251-7781
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	francesco.r.porcella@kp.org
Operator Type:	Private Business
Developer:	Kaiser Fondation Hospitals
Developer Address:	25825 South Vermont Avenue
Developer City:	Harbor City
Developer State:	California
Developer Zip:	90710
Developer Contact:	Francesco Porcella
Developer Contact Title:	Sr. Project Manager
Constype Linear Utility Ind:	N
Emergency Phone:	999-999-9999
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Lake Muchado
Certifier:	Francesco Porcella
Certifier Title:	Sr Proj Mgr
Certification Date:	24-JUN-16
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

KAISER FONDATION HOSPITALS (Continued) **1001614020**

CIWQS:

Agency:	Kaiser Fondation Hospitals
Agency Address:	25825 South Vermont Avenue, Harbor City, CA 90710
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C356486
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/07/2009
Termination Date:	04/11/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	1
Latitude:	33.4724
Longitude:	-118.1752

M70 **HARBOR CITY MEDICAL CENTER** **LUST** **S106116194**
ENE **25825 VERMONT AVE.** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.322 mi.
1698 ft. **Site 2 of 2 in cluster M**

Relative: **Lower**

Actual: **27 ft.**

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100161	
Status:	Leak being confirmed	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603797590	
W Global ID:	Not reported	
Staff:	CEC	
Local Agency:	19050	
Cross Street:	NORMANDIE AVE.	
Enforcement Type:	SEL	
Date Leak Discovered:	1/1/1996	
Date Leak First Reported:		6/12/2003
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	6/12/2003	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	

HARBOR CITY MEDICAL CENTER (Continued) **S106116194**

Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		4/10/2003
Hist Max MTBE Conc in Groundwater:		0
Hist Max MTBE Conc in Soil:		0
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	ND	
Soil Qualifier:	ND	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	RICHARD MURILLO	
RP Address:	12200 BELLFLOWER BLVD.	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

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71 **WILMINGTON TOWN LOT #040** **CPS-SLIC** **S106485656**
NE **BAYVIEW AVE** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.323 mi.
1708 ft.

Relative: **Lower**

Actual: **30 ft.**

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/19/1997
Global Id:	SLT43399397
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655A7
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

WILMINGTON TOWN LOT #040 (Continued) **S106485656**

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	05/19/1998
Global Id:	SLT43424422
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655D5
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	11/19/1997
Global Id:	SLT43405403
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655B4
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/15/1997
Global Id:	SLT43417415
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655C7
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

WILMINGTON TOWN LOT #040 (Continued) **S106485656**

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/15/1997
Global Id:	SLT43418416
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655C8
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	12/17/1997
Global Id:	SLT43443441
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.79148
Longitude:	-118.293883
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0655F6
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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72 **GVW INVESTMENTS** **LUST** **S102339903**
ENE **1030 PACIFIC COAST HWY W** **SWEEPS UST** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.347 mi.
1833 ft.

Relative: **Lower**

Actual: **27 ft.**

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701657
Global Id:	T0603701657
Latitude:	33.7906924
Longitude:	-118.2948491
Status:	Completed - Case Closed
Status Date:	09/24/1997
Case Worker:	DK
RB Case Number:	907440116

GVW INVESTMENTS (Continued) **S102339903**

Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603701657
Contact Type: Regional Board Caseworker
Contact Name: DAVID KOO
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: Not reported
City: R4 UNKNOWN
Email: david.koo@waterboards.ca.gov
Phone Number: 2136206155

Global Id: T0603701657
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603701657
Action Type: Other
Date: 11/25/1991
Action: Leak Reported

LUST:
Global Id: T0603701657
Status: Open - Case Begin Date
Status Date: 09/12/1991

Global Id: T0603701657
Status: Open - Site Assessment
Status Date: 09/12/1991

Global Id: T0603701657
Status: Open - Remediation
Status Date: 01/11/1996

Global Id: T0603701657
Status: Completed - Case Closed
Status Date: 09/24/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907440116
Status: Case Closed

GVW INVESTMENTS (Continued) **S102339903**

Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		EDVE
Global ID:	T0603701657	
W Global ID:	Not reported	
Staff:	DK	
Local Agency:	19050	
Cross Street:	VERMONT AVE	
Enforcement Type:	Not reported	
Date Leak Discovered:	Not reported	
Date Leak First Reported:		11/25/1991
Date Leak Record Entered:	11/10/1991	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		9/4/1997
Date the Case was Closed:		9/24/1997
How Leak Discovered:	Not reported	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		7132.466495896101944813362 0672
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		9/12/1991
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		1/11/1996
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Yes
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	GVW INVESTMENTS	
RP Address:	ONE WILSHIRE BLVD., STE. #2000, LOS ANGELES, CA 90017	
Program:	LUST	
Lat/Long:	33.7906924 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	07/21/97 - REQUEST FOR CLOSURE	

SWEEPS UST:

Status:	Not reported
Comp Number:	4758

GVW INVESTMENTS (Continued) **S102339903**

Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

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73 **UNOCAL #2121** **LUST** **S102439880**
South **26393 VERMONT AVE S** **HIST CORTESE** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.358 mi.
1890 ft.

Relative:
Higher

Actual:
72 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701592
Global Id:	T0603701592
Latitude:	33.7830185
Longitude:	-118.297581
Status:	Completed - Case Closed
Status Date:	03/19/1999
Case Worker:	Not reported
RB Case Number:	907100061
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701592
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES
Email:	eloy.luna@lacity.org
Phone Number:	Not reported

LUST:

Global Id:	T0603701592
Action Type:	Other
Date:	07/24/1993
Action:	Leak Discovery

Global Id:	T0603701592
Action Type:	Other
Date:	07/24/1993

UNOCAL #2121 (Continued) **S102439880**

Action: Leak Reported

LUST:
Global Id: T0603701592
Status: Open - Case Begin Date
Status Date: 07/24/1993

Global Id: T0603701592
Status: Open - Site Assessment
Status Date: 07/01/1994

Global Id: T0603701592
Status: Open - Site Assessment
Status Date: 09/30/1996

Global Id: T0603701592
Status: Open - Site Assessment
Status Date: 07/16/1997

Global Id: T0603701592
Status: Open - Remediation
Status Date: 05/07/1998

Global Id: T0603701592
Status: Open - Remediation
Status Date: 05/27/1998

Global Id: T0603701592
Status: Completed - Case Closed
Status Date: 03/19/1999

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100061
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Groundwater
Abatement Method Used at the Site: Excavate and Treat
Global ID: T0603701592
W Global ID: Not reported
Staff: JT
Local Agency: 19050
Cross Street: ANAHEIM
Enforcement Type: Not reported
Date Leak Discovered: 7/24/1993
Date Leak First Reported: 7/24/1993
Date Leak Record Entered: 5/30/1995
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 5/5/1999
Date the Case was Closed: 3/19/1999

UNOCAL #2121 (Continued) **S102439880**

How Leak Discovered: Tank Closure
How Leak Stopped: Not reported
Cause of Leak: Corrosion
Leak Source: Tank
Operator: OLD CASE #053095-27
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 5782.786617113279400379256165 4
Source of Cleanup Funding: Tank
Preliminary Site Assessment Workplan Submitted: 7/1/1994
Preliminary Site Assessment Began: 9/30/1996
Pollution Characterization Began: 7/16/1997
Remediation Plan Submitted: 5/7/1998
Remedial Action Underway: 5/27/1998
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: 1/1/1965
Hist Max MTBE Conc in Groundwater: 16
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Yes
GW Qualifier: Not reported
Soil Qualifier: Not reported
Organization: Not reported
Owner Contact: Not reported
Responsible Party: UNOCAL
RP Address: 376 S VALENCIA AVE BREA CA 92621
Program: LUST
Lat/Long: 33.7830185 / -1
Local Agency Staff: PEJ
Beneficial Use: Not reported
Priority: 2C
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: VET, INC. TOOK OVER TO PROCEED OFF SITE WORK ; 01/18/99 - 1ST QTR GW MON RPT 1999 ;2/08/99 - SITE REMEDIATION AND CLOSURE REPORT; 5/5/99 WELL DESTRUCTION REPORT

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907100061

N74 **C-BRITE METAL FINISHING INC** **ENVIROSTOR** **S118757518**
North **1213 W 253RD ST** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.373 mi.
1967 ft. **Site 1 of 3 in cluster N**

Relative:
Higher

Actual:
62 ft.

ENVIROSTOR:
Facility ID: 80001391
Status: No Action Required
Status Date: 05/25/2012
Site Code: 400351
Site Type: Corrective Action
Site Type Detailed: Corrective Action

C-BRITE METAL FINISHING INC (Continued) **S118757518**

Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: WM
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 66
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.79492
Longitude: -118.2980
APN: 7413006010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7413006010
Alias Type: APN
Alias Name: CAD045520996
Alias Type: EPA Identification Number
Alias Name: 110000609556
Alias Type: EPA (FRS #)
Alias Name: 400351
Alias Type: Project Code (Site Code)
Alias Name: 80001391
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 01/21/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/19/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/04/2010
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported

C-BRITE METAL FINISHING INC (Continued) **S118757518**

Schedule Revised Date: Not reported

N75 **C-BRITE METAL FINISHING INC** **SEMS-ARCHIVE** **1000363029**
North **1213 W 25 3RD ST** **CORRACTS** **CAD045520996**
1/4-1/2 **HARBOR CITY, CA 90710** **RCRA-TSDF**
0.373 mi. **RCRA-SQG**
1967 ft. **Site 2 of 3 in cluster N** **HIST UST**
EMI
Relative: **HWP**
Higher **WDS**

Actual:
62 ft.

SEMS Archive:

Site ID:	900357
EPA ID:	CAD045520996
Cong District:	32
FIPS Code:	6037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Deferred to RCRA (Subtitle C)

SEMS Archive Detail:

Region:	9
Site ID:	900357
EPA ID:	CAD045520996
Site Name:	C-BRITE METAL FINISHING INC
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	9
Site ID:	900357
EPA ID:	CAD045520996
Site Name:	C-BRITE METAL FINISHING INC
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1991-09-24 00:00:00
Qual:	D
Current Action Lead:	EPA Perf

Region:	9
Site ID:	900357
EPA ID:	CAD045520996
Site Name:	C-BRITE METAL FINISHING INC
NPL:	N
FF:	N
OU:	0

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-03-01 00:00:00
Finish Date: 1991-03-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:

EPA ID: CAD045520996
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19910919
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD045520996
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920121
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 332813
Electroplating, Plating, Polishing, Anodizing, and Coloring
Original schedule date: 19920121
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/03/2006
Facility name: C-BRITE METAL FINISHING, INC.
Facility address: 1213 WEST 253RD STREET
HARBOR CITY, CA 90710
EPA ID: CAD045520996
Contact: JOHN F LAFFEY
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: 310-326-5095
Contact email: OFCBRITE@AOL.COM
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:
Owner/operator name: C-BRITE METAL FINISHING INC
Owner/operator address: 1213 W 253RD ST
CITY NOT REPORTED, CA 99999

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Owner/operator country: Not reported
Owner/operator telephone: 213-326-5095
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING, INC.
Owner/operator address: 1213 WEST 253RD STREET
HARBOR CITY, CA 90710
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/01/1966
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING INC
Owner/operator address: 1213 W 253RD ST
HARBOR CITY, CA 90710
Owner/operator country: Not reported
Owner/operator telephone: 213-326-5095
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: C-BRITE METAL FINISHING, INC.
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/01/1966
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Historical Generators:
Date form received by agency: 09/01/1996
Site name: C-BRITE METAL FINISHING INC
Classification: Small Quantity Generator

Date form received by agency: 10/05/1981
Site name: C-BRITE METAL FINISHING INC
Classification: Large Quantity Generator

Corrective Action Summary:
Event date: 01/01/1990
Event: LEAD AGENCY DETERMINATION

Event date: 09/19/1991
Event: LEAD AGENCY DETERMINATION

Event date: 09/19/1991
Event: PA OR CERCLA INSPECTION

Event date: 09/19/1991
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/21/1992
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 01/21/1992
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Pre-transport
Date violation determined: 04/22/2010
Date achieved compliance: 08/27/2010
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: 07/13/2010
Enf. disposition status: Not reported

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 06/22/1994
Date achieved compliance: 06/22/1999
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/18/1991
Date achieved compliance: 06/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/18/1991
Date achieved compliance: 06/12/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 1100
Final penalty amount: 600
Paid penalty amount: 600

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 06/12/1990
Date achieved compliance: 06/12/1990
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Enforcement lead agency: State
Proposed penalty amount: 1100
Final penalty amount: 600
Paid penalty amount: 600

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 06/12/1990
Date achieved compliance: 06/12/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/18/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 01/23/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 268.7
Area of violation: LDR - General
Date violation determined: 01/23/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/08/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 01/09/1989
Date achieved compliance: 03/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 08/28/1987
Date achieved compliance: 01/23/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 08/19/1987
Date achieved compliance: 01/23/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/10/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/22/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 08/27/2010
Evaluation lead agency: EPA

Evaluation date: 06/22/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/22/1999
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 06/12/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/12/1990
Evaluation lead agency: State

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Evaluation date: 01/23/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 01/23/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 01/09/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 03/02/1990
Evaluation lead agency: State

Evaluation date: 08/28/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 01/23/1989
Evaluation lead agency: State

Evaluation date: 08/19/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/23/1989
Evaluation lead agency: State

HIST UST:
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000033821
Facility Type: Other
Other Type: PLATING SHOP
Contact Name: JOHN F. LAFFEY, PRESIDENT
Telephone: 2133265095
Owner Name: C-BRITE METAL FINISHING, INC.
Owner Address: 1213 WEST 253RD STREET
Owner City,St,Zip: HARBOR CITY, CA 90710
Total Tanks: 0004

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00000400
Tank Used for: WASTE

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00000070
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000060
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

EMI:
Year: 1993
County Code: 19
Air Basin: SC
Facility ID: 725
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Year: 1995
County Code: 19
Air Basin: SC
Facility ID: 725
Air District Name: SC
SIC Code: 3471
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	11
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1998
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2002
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0

C-BRITE METAL FINISHING INC (Continued) **1000363029**

NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2003
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2004
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00108
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0.00228
NOX - Oxides of Nitrogen Tons/Yr:	0.00845
SOX - Oxides of Sulphur Tons/Yr:	0.0000539
Particulate Matter Tons/Yr:	0.000488
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2005
County Code:	19
Air Basin:	SC
Facility ID:	725
Air District Name:	SC
SIC Code:	3471
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	.000245
Reactive Organic Gases Tons/Yr:	.000103439
Carbon Monoxide Emissions Tons/Yr:	.00378
NOX - Oxides of Nitrogen Tons/Yr:	.0045
SOX - Oxides of Sulphur Tons/Yr:	.000025
Particulate Matter Tons/Yr:	.00034
Part. Matter 10 Micrometers and Smllr Tons/Yr:	.000323

C-BRITE METAL FINISHING INC (Continued) **1000363029**

HWP:

EPA Id:	CAD045520996
Cleanup Status:	PROTECTIVE FILER
Latitude:	33.79492
Longitude:	-118.2980
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Team:	Not reported
Supervisor:	Not reported
Site Code:	N/A
Assembly District:	66
Senate District:	35
Public Information Officer:	Not reported
Public Information Officer:	Not reported

Activities:

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date:	09/17/1987

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Unit Names:	CONTAIN1
Event Description:	Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date:	09/17/1987

Alias:

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Alias Type:	FRS
Alias:	110000609556

EPA Id:	CAD045520996
Facility Type:	Historical - Non-Operating
Alias Type:	Project Code (Site Code)
Alias:	N/A

WDS:

Facility ID:	4 19I001069
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	3103265095
Facility Contact:	JOHN F LAFFEY
Agency Name:	JOHN FLAFFEY

C-BRITE METAL FINISHING INC (Continued) **1000363029**

Agency Address:	1213 253rd St
Agency City,St,Zip:	Harbor City 907102413
Agency Contact:	Not reported
Agency Telephone:	3103265095
Agency Type:	County
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

N76 **A-1 MATERIALS** **LUST** **S102423607**
North **23003 MARIPOSA AVE S** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.378 mi.
1995 ft. **Site 3 of 3 in cluster N**

Relative:
Higher

Actual:
62 ft.

LUST:

Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603704477
Global Id:	T0603704477
Latitude:	33.7948553
Longitude:	-118.2982082
Status:	Completed - Case Closed
Status Date:	05/08/1996
Case Worker:	YR
RB Case Number:	I-21513
Local Agency:	LOS ANGELES COUNTY
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603704477
Contact Type:	Local Agency Caseworker

A-1 MATERIALS (Continued) **S102423607**

Contact Name:	JOHN AWUJO
Organization Name:	LOS ANGELES COUNTY
Address:	900 S FREMONT AVE
City:	ALHAMBRA
Email:	jawujo@dpw.lacounty.gov
Phone Number:	6264583507
Global Id:	T0603704477
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603704477
Action Type:	Other
Date:	07/21/1994
Action:	Leak Reported
Global Id:	T0603704477
Action Type:	Other
Date:	04/18/1994
Action:	Leak Discovery
Global Id:	T0603704477
Action Type:	Other
Date:	04/18/1994
Action:	Leak Stopped

LUST:

Global Id:	T0603704477
Status:	Open - Case Begin Date
Status Date:	04/18/1994
Global Id:	T0603704477
Status:	Completed - Case Closed
Status Date:	05/08/1996

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	I-21513	
Status:	Case Closed	
Substance:	Gasoline	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603704477	
W Global ID:	Not reported	
Staff:	UNK	

A-1 MATERIALS (Continued) **S102423607**

Local Agency:	19000	
Cross Street:	Not reported	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/18/1994	
Date Leak First Reported:		7/21/1994
Date Leak Record Entered:	11/3/1995	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	4/18/1994	
Date Case Last Changed on Database:		5/8/1996
Date the Case was Closed:		5/8/1996
How Leak Discovered:	Tank Closure	
How Leak Stopped:	Not reported	
Cause of Leak:	Other Cause	
Leak Source:	Tank	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		5896.79266216664296491765 78929
Source of Cleanup Funding:		Tank
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	BLANK RP	
RP Address:	9216 SUNDIAL DR, LAS VEGAS NV 89134	
Program:	LUST	
Lat/Long:	33.7948553 / -1	
Local Agency Staff:	Not reported	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

77
West
1/4-1/2
0.378 mi.
1997 ft.

ACTA PARCEL PCH-1536 **CPS-SLIC** **S106855357**
1634-1636 PACIFIC COAST HIGHWAY **N/A**
WILMINGTON, CA

Relative:
Higher

Actual:
78 ft.

CPS-SLIC:

Region:	STATE
Facility Status:	**Completed - Case Closed**
Status Date:	01/05/2005
Global Id:	SL0603735364
Lead Agency:	LOS ANGELES RWQCB (REGION 4)

ACTA PARCEL PCH-1536 (Continued) **S106855357**

Lead Agency Case Number:	Not reported
Latitude:	33.79095
Longitude:	-118.24267
Case Type:	Cleanup Program Site
Case Worker:	SH
Local Agency:	Not reported
RB Case Number:	0747N6
File Location:	Not reported
Potential Media Affected:	Aquifer used for drinking water supply
Potential Contaminants of Concern:	* Volatile Organic Compounds (VOC)
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

O78 **TEXACO** **HIST CORTESE** **S110060892**
WSW **1625 ANAHEIM** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.392 mi.
2072 ft. **Site 1 of 4 in cluster O**

Relative: **Higher**
Actual: **79 ft.**

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907440198

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79 **LOS ANGELES FIRE STATION 85** **LUST** **S103628514**
North **1331 W 253RD ST** **SWEEPS UST** **N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.393 mi.
2076 ft.

Relative: **Higher**
Actual: **73 ft.**

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603730647
Global Id:	T0603730647
Latitude:	33.79473
Longitude:	-118.299996
Status:	Completed - Case Closed
Status Date:	03/05/2013
Case Worker:	EL
RB Case Number:	Not reported
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel
Site History:	Not reported

LUST:

Global Id:	T0603730647
Contact Type:	Local Agency Caseworker
Contact Name:	ELOY LUNA
Organization Name:	LOS ANGELES, CITY OF
Address:	200 North Main Street, Suite 1780
City:	LOS ANGELES

LOS ANGELES FIRE STATION 85 (Continued) **S103628514**

Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603730647
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603730647
Action Type: ENFORCEMENT
Date: 03/05/2013
Action: Closure/No Further Action Letter

Global Id: T0603730647
Action Type: Other
Date: 09/01/2001
Action: Leak Reported

Global Id: T0603730647
Action Type: Other
Date: 05/25/2001
Action: Leak Discovery

LUST:
Global Id: T0603730647
Status: Open - Case Begin Date
Status Date: 05/25/2001

Global Id: T0603730647
Status: Open - Site Assessment
Status Date: 07/29/2002

Global Id: T0603730647
Status: Completed - Case Closed
Status Date: 03/05/2013

SWEEPS UST:
Status: Active
Comp Number: 2709
Number: 4
Board Of Equalization: 44-012042
Referral Date: 02-05-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002709-000001
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL

LOS ANGELES FIRE STATION 85 (Continued) **S103628514**

STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Status: Active
Comp Number: 2709
Number: 4
Board Of Equalization: 44-012042
Referral Date: 02-05-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002709-000002
Tank Status: A
Capacity: 10000
Active Date: 04-20-88
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 2709
Number: 4
Board Of Equalization: 44-012042
Referral Date: 02-05-93
Action Date: 04-05-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002709-000002
Tank Status: A
Capacity: Not reported
Active Date: 04-20-88
Tank Use: CHEMICAL
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

O80 **UNOCAL - TOSCO LOS ANGELES REFINERY** **CPS-SLIC** **S106386961**
WSW **1660 ANAHEIM** **N/A**
1/4-1/2 **WILMINGTON, CA 90744**
0.426 mi.
2250 ft. **Site 2 of 4 in cluster O**

Relative:
Higher

Actual:
80 ft.

SLIC REG 4:
Region: 4
Facility Status: Remediation
SLIC: 0231
Substance: TPH
Staff: PC

O81
WSW
1/4-1/2
0.440 mi.
2323 ft.

L.A. REFINERY, WILMINGTON
1660 ANAHEIM
HARBOR CITY, CA 90710

HIST CORTESE **S105024018**
N/A

Site 3 of 4 in cluster O

Relative:
Higher

Actual:
81 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: WBC&D
Reg Id: 4B192131002

O82
WSW
1/4-1/2
0.440 mi.
2323 ft.

UNION OIL CO (1)
1660 ANAHEIM
HARBOR CITY, CA 90710

HIST CORTESE **S105024017**
N/A

Site 4 of 4 in cluster O

Relative:
Higher

Actual:
81 ft.

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19280289

83
ENE
1/4-1/2
0.472 mi.
2492 ft.

RAPID GAS #51
909 PACIFIC COAST HWY
HARBOR CITY, CA 90710

LUST **S102439632**
HAZNET **N/A**
HIST CORTESE

Relative:
Lower

Actual:
24 ft.

LUST:
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701591
Global Id: T0603701591
Latitude: 33.7910944
Longitude: -118.291354
Status: Completed - Case Closed
Status Date: 07/07/2016
Case Worker: AT
RB Case Number: 907100052
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701591
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603701591

RAPID GAS #51 (Continued) **S102439632**

Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 07/15/2011
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 01/11/2016
Action: Notification - Preclosure

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/05/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/05/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2004

RAPID GAS #51 (Continued) **S102439632**

Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2010
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2010
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: REMEDIATION
Date: 09/01/2007
Action: Soil Vapor Extraction (SVE)

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2006
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2004
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2012
Action: Corrective Action Plan / Remedial Action Plan - Addendum

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 09/25/2003
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2007
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2009
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 06/20/2002
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE

RAPID GAS #51 (Continued) **S102439632**

Date: 10/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2002
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 09/23/2008
Action: Well Installation Report

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 08/13/2009
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603701591
Action Type: Other
Date: 11/29/1993
Action: Leak Discovery

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2011
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2011
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2013
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2013
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2012
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: REMEDIATION
Date: 10/26/1993
Action: Free Product Removal

Global Id: T0603701591
Action Type: ENFORCEMENT

RAPID GAS #51 (Continued) **S102439632**

Date: 11/12/2002
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2006
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/17/2010
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2010
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2010
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: REMEDIATION
Date: 09/01/1993
Action: Excavation

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/12/2015
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/31/2002
Action: Other Report / Document

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2012
Action: Remedial Progress Report

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/21/2013
Action: Well Installation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/30/2013
Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2013
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2013
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/15/2016
Action: Well Destruction Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2014
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 04/29/2005
Action: Staff Letter

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE

RAPID GAS #51 (Continued) **S102439632**

Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 03/10/2011
Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 07/07/2016
Action: Closure/No Further Action Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2005
Action: Soil and Water Investigation Report

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 06/12/2015
Action: Request for Closure - Regulator Responded

Global Id: T0603701591
Action Type: ENFORCEMENT
Date: 02/26/2013
Action: Staff Letter

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2002
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2003
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2011
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2008
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE

RAPID GAS #51 (Continued) **S102439632**

Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2006
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2006
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2005
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2003
Action: Soil and Water Investigation Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2002
Action: Interim Remedial Action Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2008
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2009
Action: Remedial Progress Report

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2014
Action: Remedial Progress Report

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603701591
Action Type: Other
Date: 02/11/1994
Action: Leak Reported

Global Id: T0603701591
Action Type: RESPONSE
Date: 04/15/2007
Action: Conceptual Site Model

Global Id: T0603701591
Action Type: RESPONSE
Date: 01/15/2006
Action: Soil and Water Investigation Report

LUST:
Global Id: T0603701591
Status: Open - Case Begin Date
Status Date: 11/29/1993

Global Id: T0603701591
Status: Open - Site Assessment
Status Date: 11/29/1993

Global Id: T0603701591
Status: Open - Site Assessment
Status Date: 03/14/2001

RAPID GAS #51 (Continued) **S102439632**

Global Id: T0603701591
Status: Open - Remediation
Status Date: 04/27/2005

Global Id: T0603701591
Status: Open - Eligible for Closure
Status Date: 01/11/2016

Global Id: T0603701591
Status: Completed - Case Closed
Status Date: 07/07/2016

LUST REG 4:

Region:	4
Regional Board:	04
County:	Los Angeles
Facility Id:	907100052
Status:	Remediation Plan
Substance:	Gasoline
Substance Quantity:	Not reported
Local Case No:	Not reported
Case Type:	Groundwater
Abatement Method Used at the Site:	Not reported
Global ID:	T0603701591
W Global ID:	Not reported
Staff:	AT
Local Agency:	19050
Cross Street:	VERMONT
Enforcement Type:	DLSEL
Date Leak Discovered:	11/29/1993
Date Leak First Reported:	2/11/1994
Date Leak Record Entered:	3/18/1994
Date Confirmation Began:	Not reported
Date Leak Stopped:	Not reported
Date Case Last Changed on Database:	7/18/2002
Date the Case was Closed:	Not reported
How Leak Discovered:	Tank Closure
How Leak Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Operator:	Not reported
Water System:	Not reported
Well Name:	Not reported
Approx. Dist To Production Well (ft):	6643.212241818921927618782 4529
Source of Cleanup Funding:	UNK
Preliminary Site Assessment Workplan Submitted:	11/29/1993
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	3/14/2001
Remediation Plan Submitted:	1/17/2003
Remedial Action Underway:	1/15/2003
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	3/14/2001
Historical Max MTBE Date:	9/24/1996
Hist Max MTBE Conc in Groundwater:	57000
Hist Max MTBE Conc in Soil:	.018
Significant Interim Remedial Action Taken:	Yes

RAPID GAS #51 (Continued) **S102439632**

GW Qualifier:	Not reported
Soil Qualifier:	=
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	JOHN PAYNE
RP Address:	2817 A LAFAYETTE AVE.
Program:	LUST
Lat/Long:	33.7910944 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	FP RECOVERY BEGAN JULY 97 ; 7/12/00 2ND QTR GW MON RPT 2000; 10/13/00 3RD QTR GW MON RPT 2000; 12/29/00 4TH QTR GW MON RPT 2000; 4/5/01 1ST QTR GW MON RPT 2001

HAZNET:

envid:	S102439632
Year:	2016
GEPAID:	CAL000398713
Contact:	TOM ROBINS
Telephone:	3103233992
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	CAD028409019
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05
Cat Decode:	Other organic solids
Method Decode:	Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Facility County:	Los Angeles

envid:	S102439632
Year:	2016
GEPAID:	CAL000398713
Contact:	TOM ROBINS
Telephone:	3103233992
Mailing Name:	Not reported
Mailing Address:	17311 S MAIN ST
Mailing City,St,Zip:	GARDENA, CA 90248
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Not reported
Waste Category:	Tank bottom waste
Disposal Method:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons:	0.1668
Cat Decode:	Tank bottom waste
Method Decode:	Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)

RAPID GAS #51 (Continued) **S102439632**

Facility County: Los Angeles

envid: S102439632
Year: 2016
GEPAID: CAL000398713
Contact: TOM ROBINS
Telephone: 3103233992
Mailing Name: Not reported
Mailing Address: 17311 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.10425
Cat Decode: Tank bottom waste
Method Decode: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Facility County: Los Angeles

envid: S102439632
Year: 2015
GEPAID: CAL000398713
Contact: ALLEN FAASS
Telephone: 9492895286
Mailing Name: Not reported
Mailing Address: 17311 S MAIN ST
Mailing City,St,Zip: GARDENA, CA 90248
Gen County: Los Angeles
TSD EPA ID: CAD028409019
TSD County: Los Angeles
Waste Category: Tank bottom waste
Disposal Method: Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 0.4587
Cat Decode: Not reported
Method Decode: Not reported
Facility County: Los Angeles

HIST CORTESE:
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 907100052

84
SSE
1/4-1/2
0.477 mi.
2516 ft.

GAFFERY AND ANAHEIM
SE OF GAFFEY ST & ANAHEIM
SAN PEDRO, CA

WMUDS/SWAT **S103441327**
N/A

Relative:
Higher

Actual:
59 ft.

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported

GAFFERY AND ANAHEIM (Continued) **S103441327**

Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	Not reported
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	Not reported
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190047NUR
Solid Waste Information ID:	Not reported

P85
West
1/4-1/2
0.477 mi.
2518 ft.

SHELL SERVICES STATION (FORMER)
1695 PACIFIC COAST HIGHWAY
LOS ANGELES, CA 90710

LUST **S102436839**
HIST CORTESE **N/A**

Site 1 of 3 in cluster P

Relative:
Higher

Actual:
83 ft.

LUST:

Lead Agency:	LOS ANGELES, CITY OF
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701594
Global Id:	T0603701594
Latitude:	33.7894913
Longitude:	-118.3074314
Status:	Completed - Case Closed
Status Date:	05/15/1997
Case Worker:	WR
RB Case Number:	907100089
Local Agency:	LOS ANGELES, CITY OF
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0603701594
Contact Type:	Local Agency Caseworker
Contact Name:	TBD
Organization Name:	LOS ANGELES, CITY OF
Address:	200 N. MAIN ST. RM. 970
City:	LOS ANGELES
Email:	Not reported
Phone Number:	2134826528

Global Id:	T0603701594
Contact Type:	Regional Board Caseworker
Contact Name:	YUE RONG
Organization Name:	LOS ANGELES RWQCB (REGION 4)
Address:	320 W. 4TH ST., SUITE 200
City:	Los Angeles
Email:	yrong@waterboards.ca.gov
Phone Number:	Not reported

LUST:

Global Id:	T0603701594
Action Type:	Other
Date:	11/13/1989
Action:	Leak Discovery

Global Id:	T0603701594
Action Type:	Other
Date:	02/26/1990
Action:	Leak Reported

LUST:

Global Id:	T0603701594
Status:	Open - Case Begin Date
Status Date:	03/01/1988

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Global Id: T0603701594
Status: Open - Site Assessment
Status Date: 03/01/1988

Global Id: T0603701594
Status: Open - Site Assessment
Status Date: 07/01/1989

Global Id: T0603701594
Status: Completed - Case Closed
Status Date: 05/15/1997

Lead Agency: LOS ANGELES RWQCB (REGION 4)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603787937
Global Id: T0603787937
Latitude: 33.9966958
Longitude: -118.4582537
Status: Completed - Case Closed
Status Date: 05/30/2006
Case Worker: AT
RB Case Number: 907100089A
Local Agency: LOS ANGELES, CITY OF
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Other Solvent or Non-Petroleum Hydrocarbon
Site History: Not reported

LUST:
Global Id: T0603787937
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

Global Id: T0603787937
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603787937
Action Type: RESPONSE
Date: 01/30/2006
Action: Soil and Water Investigation Report

Global Id: T0603787937
Action Type: RESPONSE

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Date: 10/15/2003
Action: Well Installation Report

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 06/10/2003
Action: Meeting

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 07/11/2003
Action: Staff Letter

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 05/30/2006
Action: Closure/No Further Action Letter

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: Other
Date: 08/02/2001
Action: Leak Reported

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Global Id: T0603787937
Action Type: REMEDIATION
Date: 07/18/2001
Action: Excavation

Global Id: T0603787937
Action Type: REMEDIATION
Date: 05/27/2003
Action: Excavation

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2003
Action: Other Report / Document

Global Id: T0603787937
Action Type: RESPONSE
Date: 06/09/2003
Action: Soil and Water Investigation Workplan

Global Id: T0603787937
Action Type: RESPONSE
Date: 04/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: REMEDIATION
Date: 04/28/2004
Action: Soil Vapor Extraction (SVE)

Global Id: T0603787937
Action Type: ENFORCEMENT
Date: 06/04/2003
Action: Staff Letter

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2003
Action: CAP/RAP - Final Remediation / Design Plan

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 01/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: RESPONSE
Date: 07/15/2004
Action: Monitoring Report - Quarterly

Global Id: T0603787937
Action Type: Other

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Date: 06/20/2001
Action: Leak Discovery

Global Id: T0603787937
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

LUST:
Global Id: T0603787937
Status: Open - Case Begin Date
Status Date: 06/20/2001

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 08/02/2001

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 06/09/2003

Global Id: T0603787937
Status: Open - Site Assessment
Status Date: 06/26/2003

Global Id: T0603787937
Status: Open - Remediation
Status Date: 10/15/2003

Global Id: T0603787937
Status: Open - Remediation
Status Date: 11/04/2003

Global Id: T0603787937
Status: Completed - Case Closed
Status Date: 05/30/2006

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100089
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701594
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: WESTERN AVE.
Enforcement Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Date Leak Discovered: 11/13/1989

SHELL SERVICES STATION (FORMER) (Continued) **S102436839**

Date Leak First Reported:		2/26/1990
Date Leak Record Entered:	4/19/1990	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		5/15/1997
Date the Case was Closed:		5/15/1997
How Leak Discovered:	Subsurface Monitoring	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	LADOE, GREGORY	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		3714.351088323450801568919382 3
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		3/1/1988
Preliminary Site Assessment Began:		7/1/1989
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		1/1/1965
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	SHELL OIL CO.	
RP Address:	P.O. BOX 4848, ANAHEIM, 92803	
Program:	LUST	
Lat/Long:	33.7893742 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907100089

P86 **SHELL SERVICES STATION (FORMER)** **LUST** **S106116193**
West **1695 PACIFIC COAST HIGHWAY** **N/A**
1/4-1/2 **LOS ANGELES, CA 90710**
0.477 mi.
2518 ft. **Site 2 of 3 in cluster P**

Relative:
Higher

Actual:
83 ft.

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	907100089A	
Status:	Remediation Plan	
Substance:	Hydrocarbons	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Groundwater	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603787937	
W Global ID:	Not reported	
Staff:	AT	
Local Agency:	19050	
Cross Street:	WESTERN AVE.	
Enforcement Type:	DLSEL	
Date Leak Discovered:	6/20/2001	
Date Leak First Reported:		8/2/2001
Date Leak Record Entered:	Not reported	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		Not reported
Date the Case was Closed:		Not reported
How Leak Discovered:	OM	
How Leak Stopped:	Close Tank	
Cause of Leak:	UNK	
Leak Source:	UNK	
Operator:	Not reported	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		Not reported
Source of Cleanup Funding:		UNK
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		Not reported
Pollution Characterization Began:		6/26/2003
Remediation Plan Submitted:		11/4/2003
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		8/29/2003
Hist Max MTBE Conc in Groundwater:		8.9
Hist Max MTBE Conc in Soil:		9600
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	=	
Soil Qualifier:	=	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	STVE BOSS	
RP Address:	911 S. PRIMROSE AVE., #K	
Program:	LUST	
Lat/Long:	0 / 0	
Local Agency Staff:	Not reported	

SHELL SERVICES STATION (FORMER) (Continued) **S106116193**

Beneficial Use: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Suspended: Not reported
Assigned Name: Not reported
Summary: Not reported

P87 **CHEVRON #9-1267** **LUST S102427123**
West **25800 WESTERN AVE** **HIST CORTESE N/A**
1/4-1/2 **HARBOR CITY, CA 90710**
0.480 mi.
2537 ft. **Site 3 of 3 in cluster P**

Relative:
Higher

Actual:
83 ft.

LUST:
Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603701593
Global Id: T0603701593
Latitude: 33.7894661
Longitude: -118.3075145
Status: Completed - Case Closed
Status Date: 07/24/1997
Case Worker: EL
RB Case Number: 907100070
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603701593
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

Global Id: T0603701593
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0603701593
Action Type: Other
Date: 07/17/1995
Action: Leak Reported

LUST:

CHEVRON #9-1267 (Continued) **S102427123**

Global Id: T0603701593
Status: Open - Case Begin Date
Status Date: 07/17/1995

Global Id: T0603701593
Status: Open - Remediation
Status Date: 04/09/1996

Global Id: T0603701593
Status: Completed - Case Closed
Status Date: 07/24/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 907100070
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603701593
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: PACIFIC COAST HWY
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak First Reported: 7/17/1995
Date Leak Record Entered: 9/16/1996
Date Confirmation Began: Not reported
Date Leak Stopped: Not reported
Date Case Last Changed on Database: 7/24/1997
Date the Case was Closed: 7/24/1997
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 3539.80618015584743878615258 19
Source of Cleanup Funding: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: 4/9/1996
Post Remedial Action Monitoring Began: Not reported
Enforcement Action Date: Not reported
Historical Max MTBE Date: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil: Not reported
Significant Interim Remedial Action Taken: Not reported

CHEVRON #9-1267 (Continued) **S102427123**

GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CHEVRON U.S.A.
RP Address:	1300 BEACH BLVD S., LA HABRA CA 90632
Program:	LUST
Lat/Long:	33.7894372 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907100070

88
SSW
1/2-1
0.564 mi.
2978 ft.

PROPOSED ROLLING HILLS PREPARATORY SCHOOL **ENVIROSTOR** **S107737096**
300 A PASEO DEL MAR **SCH** **N/A**
PALOS VERDES ESTATES, CA 90274

Relative:
Higher

Actual:
146 ft.

ENVIROSTOR:

Facility ID:	60000143
Status:	Inactive - Needs Evaluation
Status Date:	04/20/2006
Site Code:	404678
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	20
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.7801
Longitude:	-118.3026
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Arsenic DDE DDT Methane
Confirmed COC:	30001-NO 30007-NO 30008-NO 30015-NO
Potential Description:	NONE SPECIFIED
Alias Name:	404678
Alias Type:	Project Code (Site Code)

PROPOSED ROLLING HILLS PREPARATORY SCHOOL (Continued) **S107737096**

Alias Name: 60000143
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/26/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/20/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 04/20/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Facility ID: 60000143
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 20
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 404678
Assembly: 66
Senate: 35
Special Program Status: Not reported
Status: Inactive - Needs Evaluation
Status Date: 04/20/2006
Restricted Use: NO
Funding: Not Applicable
Latitude: 33.7801
Longitude: -118.3026
APN: NONE SPECIFIED

PROPOSED ROLLING HILLS PREPARATORY SCHOOL (Continued) **S107737096**

Past Use:	NONE SPECIFIED
Potential COC:	Arsenic, DDE, DDT, Methane
Confirmed COC:	30001-NO, 30007-NO, 30008-NO, 30015-NO
Potential Description:	NONE SPECIFIED
Alias Name:	404678
Alias Type:	Project Code (Site Code)
Alias Name:	60000143
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Voluntary Cleanup Agreement
Completed Date:	01/26/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	04/20/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	04/20/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

89
NNW
1/2-1
0.641 mi.
3382 ft.

BAY HARBOR HOSPITAL, INC **SWEEPS UST** **S103630637**
1437 W LOMITA BLVD **HWP** **N/A**
HARBOR CITY, CA 90710

Relative:
Higher

Actual:
60 ft.

SWEEPS UST:

Status:	Not reported
Comp Number:	5147
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported

BAY HARBOR HOSPITAL, INC (Continued) **S103630637**

STG: Not reported
Content: Not reported
Number Of Tanks: 0

HWP:
EPA Id: CAD981391535
Cleanup Status: KNOWN GENERATORS
Latitude: 33.79787
Longitude: -118.3016
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Team: Not reported
Supervisor: Not reported
Site Code: Not reported
Assembly District: 66
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Q90 **DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1** **RESPONSE** **U001565523**
SSE **3171 NORTH GAFFEY STREET** **ENVIROSTOR** **N/A**
1/2-1 **SAN PEDRO, CA 90731** **HIST UST**
0.674 mi. **CHMIRS**
3558 ft. **Site 1 of 2 in cluster Q**

Relative:
Lower

Actual:
22 ft.

RESPONSE:
Facility ID: 19970007
Site Type: State Response
Site Type Detail: Open Base
Acres: 345
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency Description: Not reported
Project Manager: H. Alan Hsu
Supervisor: Eileen Mananian
Division Branch: Cleanup Cypress
Site Code: 400770
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 70
Senate: 35
Special Program Status: Navy
Status: Active
Status Date: 04/26/2018
Restricted Use: NO
Funding: DERA
Latitude: 33.77805
Longitude: -118.2958
APN: NONE SPECIFIED
Past Use: FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC : Benzene Trichloroethylene (TCE
Confirmed COC: 30003-NO 30027-NO
Potential Description: OTH, SOIL, SURFW
Alias Name: DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alias Type: Alternate Name
Alias Name: DEFENSE LOGISTICS AGENCY
Alias Type: Alternate Name

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Alias Name:	DFSP, SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	PATRICK, O.
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY POINT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL FUEL DEPOT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL RESERVATION
Alias Type:	Alternate Name
Alias Name:	110000781486
Alias Type:	EPA (FRS #)
Alias Name:	DOD100088400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091900
Alias Type:	GeoTracker Global ID
Alias Name:	SLT43183181
Alias Type:	GeoTracker Global ID
Alias Name:	SLT43184182
Alias Type:	GeoTracker Global ID
Alias Name:	T0603701609
Alias Type:	GeoTracker Global ID
Alias Name:	T0603732941
Alias Type:	GeoTracker Global ID
Alias Name:	T0603762738
Alias Type:	GeoTracker Global ID
Alias Name:	CA3971590028
Alias Type:	HWTS Identification Code
Alias Name:	P43075
Alias Type:	PCode
Alias Name:	400046
Alias Type:	Project Code (Site Code)
Alias Name:	400770
Alias Type:	Project Code (Site Code)
Alias Name:	19970007

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: 1A, 1B, 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1998
Comments: RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping by covering exposed impacted soil areas with a total of 8,310 tons of imported clean soil, grading, and landscaping to prevent and minimize surface water and wind erosion. The soil cover comprises of three layers with a total thickness ranging from 2.5 to 7.5 feet: a bottom granular fill layer to establish sub-grade elevation; an infiltration layer consisting of lower permeability silt and clay to reduce infiltration; and a vegetative layer to support plant cover growth. The removal action also includes the installation and quarterly monitoring of three groundwater monitoring wells and drainage channel installation.

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/03/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/14/1997
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/04/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/07/1995
Comments: PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVITY: MEDIUM The Navy submitted an SI Report in July 1993 documenting the soil investigation conducted at OUs 1 and 2. Due to the presence of a variety of chemical constituents includ- ing volatile organics, semivolatile organics, metals, and petroleum hydrocarbons, the Navy

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

decided to further investi- gate these areas for a threat to both human health and the environment, documented as part of a Removal Site Evalua- tion Report. The results of RSE investigation showed at OUs 1 and 2 that (1) The volatile organic compounds were below the soil risk-based concentrations (RBCs); (2) The semivolatiles exceeded their respective RBCs; and (3) The metals exceeded their background and RBCs, including the dioxin concentrations at OU2. Additionally, the concentra- tions of the total petroleum hydrocarbons as gas and diesel, respectively were greater than 1000 parts per million. The RSE report recommended a removal action for these sites. We concur with the removal action per our letter of September 14, 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/31/1994
Comments: PPP - DTSC approved the Public Participation Plan on May 31, 1994. Approximate cost not available; funding = DSMOA.

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/30/2009
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/17/2011
Comments: DTSC has concurred the Final addendum.

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/13/1998
Comments: CERT - Landfill: The removal action at OU2 involves excavation and transportion of soil contaminated with benzo(a) pyrene, dibenzo(a, h) anthracene, and/or a total recoverable petroleum hyrocarbon for off-site disposal. Confirmatory sampling was also conducted to verify that the impacted soil has been removed. An estimated 1,175 tons of soil was excavated and disposed of at a permitted and licensed off-site landfill. Additionally, an underground storage tank was removed in accordance with California Leaking Underground Fuel Tank (CALUFT) requirements.

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 12/30/1996
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/24/2013
Comments: DTSC provided the comments on Phase II RI to the Navy.

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/31/2014
Comments: DTSC PM and RWQCB PM jointly concurred the workplan and the Navy's responses through a conference call.

Completed Area Name: S.P.DFSP
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/27/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 6
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/19/2018
Comments: DTSC has concurred the RTCs.

Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2020
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2022
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Record of Decision
Future Due Date: 2022
Future Area Name: Sites With No Operable Unit
Future Sub Area Name: 6
Future Document Type: Remedial Investigation Report
Future Due Date: 2019
Future Area Name: S.P.DFSP
Future Sub Area Name: Not reported
Future Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date: 2020
Schedule Area Name: Navy - Site 32
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 11/30/2018
Schedule Revised Date: Not reported

ENVIROSTOR:
Facility ID: 19970007
Status: Active
Status Date: 04/26/2018
Site Code: 400770
Site Type: State Response

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Site Type Detailed:	Open Base
Acres:	345
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 4 - Los Angeles
Lead Agency:	RWQCB 4 - Los Angeles,SMBRP
Program Manager:	H. Alan Hsu
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	70
Senate:	35
Special Program:	Navy
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.77805
Longitude:	-118.2958
APN:	NONE SPECIFIED
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, HAZARDOUS WASTE STORAGE - TANKS/CONTAINERS
Potential COC:	Benzene Trichloroethylene (TCE
Confirmed COC:	30003-NO 30027-NO
Potential Description:	OTH, SOIL, SURFW
Alias Name:	DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	DEFENSE LOGISTICS AGENCY
Alias Type:	Alternate Name
Alias Name:	DFSP, SAN PEDRO
Alias Type:	Alternate Name
Alias Name:	PATRICK, O.
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY POINT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL FUEL DEPOT
Alias Type:	Alternate Name
Alias Name:	SAN PEDRO NAVAL RESERVATION
Alias Type:	Alternate Name
Alias Name:	110000781486
Alias Type:	EPA (FRS #)
Alias Name:	DOD100088400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100090300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100091600

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Alias Type: GeoTracker Global ID
Alias Name: DOD100091700
Alias Type: GeoTracker Global ID
Alias Name: DOD100091800
Alias Type: GeoTracker Global ID
Alias Name: DOD100091900
Alias Type: GeoTracker Global ID
Alias Name: SLT43183181
Alias Type: GeoTracker Global ID
Alias Name: SLT43184182
Alias Type: GeoTracker Global ID
Alias Name: T0603701609
Alias Type: GeoTracker Global ID
Alias Name: T0603732941
Alias Type: GeoTracker Global ID
Alias Name: T0603762738
Alias Type: GeoTracker Global ID
Alias Name: CA3971590028
Alias Type: HWTS Identification Code
Alias Name: P43075
Alias Type: PCode
Alias Name: 400046
Alias Type: Project Code (Site Code)
Alias Name: 400770
Alias Type: Project Code (Site Code)
Alias Name: 19970007
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: 1A, 1B, 2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1998
Comments: RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping by covering exposed impacted soil areas with a total of 8,310 tons of imported clean soil, grading, and landscaping to prevent and minimize surface water and wind erosion. The soil cover comprises of three layers with a total thickness ranging from 2.5 to 7.5 feet: a bottom granular fill layer to establish sub-grade elevation; an infiltration layer consisting of lower permeability silt and clay to reduce infiltration; and a vegetative layer to support plant cover growth. The removal action also includes the installation and quarterly monitoring of three groundwater monitoring wells and drainage channel installation.

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/03/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/14/1997
Comments: Not reported

Completed Area Name: OU1 AND OU2

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/04/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 06/07/1996
Comments: Not reported

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/07/1995
Comments: PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVITY: MEDIUM The Navy submitted an SI Report in July 1993 documenting the soil investigation conducted at OUs 1 and 2. Due to the presence of a variety of chemical constituents includ- ing volatile organics, semivolatile organics, metals, and petroleum hydrocarbons, the Navy decided to further investi- gate these areas for a threat to both human health and the environment, documented as part of a Removal Site Evalua- tion Report. The results of RSE investigation showed at OUs 1 and 2 that (1) The volatile organic compounds were below the soil risk-based concentrations (RBCs); (2) The semivolatiles exceeded their respective RBCs; and (3) The metals exceeded their background and RBCs, including the dioxin concentrations at OU2. Additionally, the concentra- tions of the total petroleum hydrocarbons as gas and diesel, respectively were greater than 1000 parts per million. The RSE report recommended a removal action for these sites. We concur with the removal action per our letter of September 14, 1995.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/31/1994
Comments: PPP - DTSC approved the Public Participation Plan on May 31, 1994. Approximate cost not available; funding = DSMOA.

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/30/2009
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/17/2011
Comments: DTSC has concurred the Final addendum.

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 03/13/1998
Comments: CERT - Landfill: The removal action at OU2 involves excavation and transportion of soil contaminated with benzo(a) pyrene, dibenzo(a, h) anthracene, and/or a total recoverable petroleum hyrocarbon for off-site disposal. Confirmatory sampling was also conducted to verify that the impacted soil has been removed. An estimated 1,175 tons of soil was excavated and disposed of at a permitted and licensed off-site landfill. Additionally, an underground storage tank was removed in accordance with California Leaking Underground Fuel Tank (CALUFT) requirements.

Completed Area Name: OU1 AND OU2
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 12/30/1996
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/24/2013
Comments: DTSC provided the comments on Phase II RI to the Navy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/31/2014
Comments: DTSC PM and RWQCB PM jointly concurred the workplan and the Navy's responses through a conference call.

Completed Area Name: S.P.DFSP
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/27/2015
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: 6
Completed Document Type: Remedial Investigation Workplan
Completed Date: 11/02/2017
Comments: Not reported

Completed Area Name: Navy - Site 32
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/19/2018
Comments: DTSC has concurred the RTCs.

Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Design/Implementation Workplan
Future Due Date: 2020
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Future Document Type: Feasibility Study Report
Future Due Date: 2022
Future Area Name: Navy - Site 32
Future Sub Area Name: Not reported
Future Document Type: Record of Decision
Future Due Date: 2022
Future Area Name: Sites With No Operable Unit
Future Sub Area Name: 6
Future Document Type: Remedial Investigation Report
Future Due Date: 2019
Future Area Name: S.P.DFSP
Future Sub Area Name: Not reported
Future Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Future Due Date: 2020
Schedule Area Name: Navy - Site 32
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 11/30/2018
Schedule Revised Date: Not reported

Facility ID: 19970012
Status: Refer: RWQCB
Status Date: 08/29/1995
Site Code: 600706
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: RWQCB 4 - Los Angeles
Lead Agency: RWQCB 4 - Los Angeles
Program Manager: H. Alan Hsu
Supervisor: Referred - Not Assigned
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: * BRAC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77805
Longitude: -118.2958
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: DEFENSE LOGISTICS AGENCY
Alias Type: Alternate Name
Alias Name: DFSP SAN PEDRO
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY POINT
Alias Type: Alternate Name
Alias Name: SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL FUEL DEPOT
Alias Type: Alternate Name
Alias Name: SAN PEDRO NAVAL RESERVATION

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Alias Type: Alternate Name
Alias Name: CA3971590028
Alias Type: HWTS Identification Code
Alias Name: P43075
Alias Type: PCode
Alias Name: 600706
Alias Type: Project Code (Site Code)
Alias Name: 19970012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71003599
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77495
Longitude: -118.2959
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA3971590028
Alias Type: EPA Identification Number
Alias Name: 71003599
Alias Type: Envirostor ID Number

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1 Non-Submittal
Completed Date:	10/03/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST UST:

File Number:	00027593
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027593.pdf
Region:	STATE
Facility ID:	00000016972
Facility Type:	Other
Other Type:	FUEL STORAGE TERMINA
Contact Name:	MR. CLEO ARNOLD
Telephone:	2138323144
Owner Name:	DEFENSE FUEL SUPPLY CENTER
Owner Address:	CAMERON STATION
Owner City,St,Zip:	ALEXANDRIA, VA 22314
Total Tanks:	0039
Tank Num:	001
Container Num:	1
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1/4"
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	4
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	005
Container Num:	5
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	006
Container Num:	6
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	007
Container Num:	7
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	008
Container Num:	8
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	009
Container Num:	9
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	010

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Container Num:	10
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	011
Container Num:	11
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	012
Container Num:	12
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	013
Container Num:	13
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	014
Container Num:	14
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	015
Container Num:	15
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	016
Container Num:	16
Year Installed:	1942
Tank Capacity:	02100000

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	017
Container Num:	17
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	018
Container Num:	18
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	019
Container Num:	19
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	1422
Leak Detection:	Stock Inventor

Tank Num:	020
Container Num:	20
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	14
Leak Detection:	Stock Inventor

Tank Num:	021
Container Num:	28
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Tank Num:	022
Container Num:	29
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	06
Container Construction Thickness:	Not reported

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Leak Detection:	Stock Inventor
Tank Num:	023
Container Num:	30
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	024
Container Num:	31
Year Installed:	1942
Tank Capacity:	00001680
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	025
Container Num:	32
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	026
Container Num:	34
Year Installed:	1942
Tank Capacity:	00001000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	027
Container Num:	42
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	028
Container Num:	43
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	029

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Container Num:	44
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	030
Container Num:	45
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	031
Container Num:	46
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	032
Container Num:	47
Year Installed:	1942
Tank Capacity:	02100000
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	14
Leak Detection:	Stock Inventor
Tank Num:	033
Container Num:	51
Year Installed:	1942
Tank Capacity:	00567000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	034
Container Num:	52
Year Installed:	1942
Tank Capacity:	00010000
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	035
Container Num:	71
Year Installed:	1942
Tank Capacity:	00002000

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 036
Container Num: 72
Year Installed: 1942
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Not reported

Tank Num: 037
Container Num: 73
Year Installed: 1942
Tank Capacity: 00000500
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 038
Container Num: 74
Year Installed: 1942
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 039
Container Num: 75
Year Installed: 1942
Tank Capacity: 00004000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Click here for Geo Tracker PDF:

CHMIRS:
OES Incident Number: 10-2321
OES notification: 04/12/2010
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported

DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1 (Continued) **U001565523**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Pipe Line
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1100
Year:	2010
Agency:	Defense Field Support Point, San Pedro
Incident Date:	4/12/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	JP 5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The leak was discovered during an inspection of pipe line. There was no impact to the soil, tracer gas only. The line will be evacuated and repaired.

Q91
SSE
1/2-1
0.674 mi.
3558 ft.

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU
3171 GAFFEY STREET
SAN PEDRO, CA 90731

Site 2 of 2 in cluster Q

Relative:
Lower

Actual:
22 ft.

HIST Cal-Sites **S101481075**
CHMIRS **N/A**
MCS
HIST CORTESE
NPDES
CIWQS

Calsite:

Region:	GLENDALE
Facility ID:	19970007
Facility Type:	OPEN
Type:	OPEN MILITARY BASE
Branch:	SO
Branch Name:	OMF-SOUTHERN CALIF
File Name:	Not reported
State Senate District:	03131998
Status:	CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name:	CERTIFIED
Lead Agency:	REGIONAL WATER QUALITY CONTROL BOARD
NPL:	Not Listed
SIC Code:	97
SIC Name:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access:	Controlled
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Unknown
Staff Member Responsible for Site:	Not reported
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	Not reported
Region Water Control Board Name:	Not reported
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	54
State Senate District Code:	27
Facility ID:	19970007
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	09071995
Revised Due Date:	Not reported
Comments Date:	09071995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	05311994
Revised Due Date:	Not reported
Comments Date:	05311994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	OU 2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03131998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments Date:	12301996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	S1AB2
Proposed Budget:	0
AWP Completion Date:	06301998
Revised Due Date:	Not reported
Comments Date:	06301998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	THE RA INVOLVED CAPPING BY COVERING EXPOSED IMPACTED SOL AREAS WITH ATOTAL OF 8,310 TONS OF IMPORTED CLEAN SOIL, GRADING, AND LANDSCAPING.ALSO, THE INSTALLATION OF THREE GW MONITORING WELLS.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	1.50000
Facility ID:	19970007
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU 2
Proposed Budget:	0
AWP Completion Date:	10031997
Revised Due Date:	Not reported
Comments Date:	10031997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	1174

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	EXCAVATION AND TRANSPORTATION OF CONTAMINATED SOIL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	6
Unknown Type:	0
Facility ID:	19970007
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PAOC
Proposed Budget:	0
AWP Completion Date:	07141997
Revised Due Date:	Not reported
Comments Date:	07141997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	06071996
Revised Due Date:	Not reported
Comments Date:	06071996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Unknown Type:	0
Facility ID:	19970007
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	12041996
Revised Due Date:	Not reported
Comments Date:	12041996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19970007
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1,2
Proposed Budget:	0
AWP Completion Date:	06071996
Revised Due Date:	Not reported
Comments Date:	06071996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	3171 NORTH GAFFEY STREET
Alternate City,St,Zip:	SAN PEDRO, CA 90731
Alternate Address:	GAFFEY,ANAHEIM,N PALOS VERDES,NORMANDIE
Alternate City,St,Zip:	SAN PEDRO, CA 90731
Background Info:	Not reported
Comments Date:	05311994
Comments:	. Approximate cost not available; funding = DSMOA.
Comments Date:	07021998

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments:	RA - OU1 (Sites 1A, 1B, & 2): The removal action involves capping
Comments Date:	07021998
Comments:	by covering exposed impacted soil areas with a total of 8,310 to
Comments Date:	07021998
Comments:	ns of imported clean soil, grading, and landscaping to prevent an
Comments Date:	07021998
Comments:	d minimize surface water and wind erosion. The soil cover compris
Comments Date:	07021998
Comments:	es of three layers with a total thickness ranging from 2.5 to 7.5
Comments Date:	07021998
Comments:	feet: a bottom granular fill layer to establish sub-grade elevat
Comments Date:	07021998
Comments:	ion; an infiltration layer consisting of lower permeability silt
Comments Date:	07021998
Comments:	and clay to reduce infiltration; and a vegetative layer to suppor
Comments Date:	07021998
Comments:	t plant cover growth. The removal action also includes the instal
Comments Date:	07021998
Comments:	lation and quarterly monitoring of three groundwater monitoring w
Comments Date:	07021998
Comments:	ells and drainage channel installation.
Comments Date:	07231997
Comments:	PEA - PAOC: The preliminary assessment analytical results
Comments Date:	07231997
Comments:	provided showed that the detected concentrations for metals,
Comments Date:	07231997
Comments:	volatile organic compounds, semi-volatile organic compounds,
Comments Date:	07231997
Comments:	pesticides, and PCBs were below background and/or health-
Comments Date:	07231997
Comments:	based standards. Base on the information presented, DTSC
Comments Date:	07231997
Comments:	concurs with the no further investigation recommendation for
Comments Date:	07231997
Comments:	this potential area of concern location.
Comments Date:	08141992
Comments:	Slip-sheet changes to the final supplemental Engineering Re-
Comments Date:	08141992
Comments:	port for DFSP San Pedro were sent to DTSC.
Comments Date:	09071995
Comments:	PEA FOR OU-1 AND OU-2 COMPLETED SEPTEMBER 7, 1995 SIZE OF ACTIVIT
Comments Date:	09071995
Comments:	Y: MEDIUM The Navy submitted an SI Report in July 1993 documentin
Comments Date:	09071995
Comments:	g the soil investigation conducted at OUs 1 and 2. Due to the pr
Comments Date:	09071995
Comments:	esence of a variety of chemical constituents includ- ing volatile
Comments Date:	09071995
Comments:	organics, semivolatile organics, metals, and petroleum hydrocarb
Comments Date:	09071995
Comments:	ons, the Navy decided to further investi- gate these areas for a
Comments Date:	09071995
Comments:	threat to both human health and the environment, documented as pa
Comments Date:	09071995
Comments:	rt of a Removal Site Evalua- tion Report. The results of RSE inv
Comments Date:	09071995
Comments:	estigation showed at OUs 1 and 2 that (1) The volatile organic co

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments Date:	09071995
Comments:	mpounds were below the soil risk-based concentrations (RBCs); (2)
Comments Date:	09071995
Comments:	The semivolatiles exceeded their respective RBCs; and (3) The me
Comments Date:	09071995
Comments:	tals exceeded their background and RBCs, including the dioxin con
Comments Date:	09071995
Comments:	centrations at OU2. Additionally, the concentra- tions of the to
Comments Date:	09071995
Comments:	tal petroleum hydrocarbons as gas and diesel, respectively were g
Comments Date:	09071995
Comments:	reater than 1000 parts per million. The RSE report recommended a
Comments Date:	09071995
Comments:	removal action for these sites. We concur with the removal actio
Comments Date:	09071995
Comments:	n per our letter of September 14, 1995.
Comments Date:	10141997
Comments:	RA - OU2: The removal action at OU2 involves excavation and
Comments Date:	10141997
Comments:	transportation of soil contaminated with benzo(a)pyrene,
Comments Date:	10141997
Comments:	dibenzo(a, h)anthracene, and/or a total recoverable petro-
Comments Date:	10141997
Comments:	leum bydrocarbon for off-site disposal. Confirmatory sampl-
Comments Date:	10141997
Comments:	ing was also conducted to verify that the impacted soil has
Comments Date:	10141997
Comments:	been removed. An estimated 1,175 tons of soil was excavated
Comments Date:	10141997
Comments:	and disposed at a permitted and licensed off-site landfill.
Comments Date:	10141997
Comments:	Additionally, an underground storage tank was removed in
Comments Date:	10141997
Comments:	accordance with California Leaking Underground Fuel Tank
Comments Date:	10141997
Comments:	(CALUFT) requirements. An estemated 3,500 gallons of petro-
Comments Date:	10141997
Comments:	leum hydrocarbon-contaminated water was disposed off-site at
Comments Date:	10141997
Comments:	Chandeleria Environmental Services Facility in Anza,
Comments Date:	10141997
Comments:	California and the 4,000 capacity tank disposed at Adams
Comments Date:	10141997
Comments:	Steelfacility in Anaheim, California. The confirmatory soil
Comments Date:	10141997
Comments:	analytical results provided showed that the detected
Comments Date:	10141997
Comments:	concentrations for metals, volatile organic compounds, semi-
Comments Date:	10141997
Comments:	volatile organic compounds, pesticides, and PCBs were below
Comments Date:	10141997
Comments:	background and/or residential health-based standards.
Comments Date:	05311994
Comments:	PPP - DTSC approved the Public Participation Plan on May 31, 1994
Comments Date:	01071997
Comments:	OU1&2 Remedial Action Plan (RAP) completed on December 4, 1996.
Comments Date:	01081997

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Comments:	OU1&2 CEQA completed on 12/30/96.
Comments Date:	03121990
Comments:	Comments on a workplan to investigate TPH contamination at
Comments Date:	03121990
Comments:	DFSP San Pedro were sent to Capt. David Jones, Dept. of the
Comments Date:	03121990
Comments:	Army, Huntsville Div., Corps of Engineers, PO Box 1600, Hun-
Comments Date:	03121990
Comments:	tsville, Alabama 35807-4301.
Comments Date:	03131998
Comments:	CERT - Landfill: The removal action at OU2 involves excavation an
Comments Date:	03131998
Comments:	d transportion of soil contaminated with benzo(a) pyrene, dibenzo
Comments Date:	03131998
Comments:	(a, h) anthracene, and/or a total recoverable petroleum hyrocarbo
Comments Date:	03131998
Comments:	n for off-site disposal. Confirmatory sampling was also conducted
Comments Date:	03131998
Comments:	to verify that the impacted soil has been removed. An estimated
Comments Date:	03131998
Comments:	1,175 tons of soil was excavated and disposed of at a permitted
Comments Date:	03131998
Comments:	and licensed off-site landfill. Additionally, an underground sto
Comments Date:	03131998
Comments:	rage tank was removed in accordance with California Leaking Under
Comments Date:	03131998
Comments:	ground Fuel Tank (CALUFT) requirements.
Comments Date:	04081992
Comments:	Comments on the final RI workplan, Defense Long Beach Family
Comments Date:	04081992
Comments:	Housing and Fuel Supply Center, San Pedro were sent to RWQCB
Comments Date:	05191995
Comments:	Active site.
Comments Date:	05311990
Comments:	DSMOA negotiations decided that RWQCB (LA) would be the lead
Comments Date:	05311990
Comments:	agency for DFSP San Pedro. Many problems have to do with
Comments Date:	05311990
Comments:	groundwater: existing wells show floating free product as
Comments Date:	05311990
Comments:	thick as 13 feet; the Silverado Aquifer "daylights" on the
Comments Date:	05311990
Comments:	site; RWQCB is addressing an areawide investigation of fuel
Comments Date:	05311990
Comments:	contamination in the vicinity. The Navy plans military
Comments Date:	05311990
Comments:	housing to be constructed with a day care center. For this
Comments Date:	05311990
Comments:	reason, DTSC staff is reviewing workplans and reports and
Comments Date:	05311990
Comments:	forwarding comments to RWQCB for inclusion in their over-
Comments Date:	05311990
Comments:	sight.
ID Name:	HWIS IDENTIFICATION CODE
ID Value:	CA3971590028
ID Name:	BEP DATABASE PCODE
ID Value:	P43075

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Alternate Name: PATRICK, O.
Alternate Name: DFSP, SAN PEDRO
Alternate Name: DEFENSE FUEL SUPPLY CENTER - SAN PEDRO
Alternate Name: DEFENSE LOGISTICS AGENCY
Alternate Name: SAN PEDRO NAVAL FUEL DEPOT
Alternate Name: SAN PEDRO NAVAL RESERVATION
Alternate Name: SAN PEDRO DEFENSE SUPPLY POINT
Alternate Name: SAN PEDRO DEFENSE SUPPLY PROCUREMENT CTR
Alternate Name: DEFENSE FUEL SUPPLY POINT, SAN PEDRO 1
Alternate Name: Not reported
Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

CHMIRS:

OES Incident Number:	1-7514
OES notification:	12/20/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Military Base
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	United Paradyne
Incident Date:	12/19/2011
Admin Agency:	LACoFD Health Haz-Mat

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	JP-8 Jet Fuel
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	During test and evaluation of tank #4, a release was noted. The tank has been evacuated to determine the cause of the release.
OES Incident Number:	13-2144
OES notification:	04/09/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	N/A
Other:	Not reported
Date/Time:	1505
Year:	2013
Agency:	Defense Logistic Agency
Incident Date:	4/9/2013
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	No. 2-D Fuel Oil
Quantity Released:	40 sq feet
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release is believed to be from an underground supply line which has been isolated and excavation is planned in the area Bulk Tank #15. This is a storage facility and not a pipeline. The release is from a supply line which feeds three tanks internally.
OES Incident Number:	1-6540
OES notification:	11/02/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Military Base
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Dept of Defense Defense Logistics Agency
Incident Date:	11/22/2008
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	JP5 -Military Grade jet fuel
Quantity Released:	323
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	****Historical Release******A failed under ground pipe line caused this release which has been mitigated
OES Incident Number:	1-6541
OES notification:	11/02/2011
OES Date:	Not reported
OES Time:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	Gound water
Spill Site:	Military Base
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1200
Year:	2011
Agency:	Dept of Defense-Defense Logistics Agency
Incident Date:	7/2/2007
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Gound water
E Date:	Not reported
Substance:	JP 8
Quantity Released:	6600
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	****Historical Release****** Failed undertrgroung pipeline caused this release to soil which has been mitigated

MCS:

Global Id:	DOD100088500
Latitude:	33.71531
Longitude:	-118.2928
Case Type:	Military Cleanup Site
Status:	Open - Site Assessment
Status Date:	10/20/2009
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Caseworker:	Not reported
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	0285A -- 11
LOC Case Number:	400046 -- 11
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	DOD100088500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

HIST CORTESE:

Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19970007

Region:	CORTESE
Facility County Code:	19
Reg By:	LTNKA
Reg Id:	907310034

NPDES:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19C365033
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	03/24/2014
Operator Name:	Defense Fuel Supply Point San Pedro
Operator Address:	3171 Gaffey St
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	4
Regulatory Measure ID:	432682
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	4 19C365033
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	02/20/2014
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	11/09/2012
Processed Date:	11/09/2012
Status:	Terminated
Status Date:	03/24/2014
Place Size:	8
Place Size Unit:	Acres
Contact:	Chad Lorenzana
Contact Title:	Mr.
Contact Phone:	562-626-7291
Contact Phone Ext:	Not reported
Contact Email:	chad.lorenzana@navy.mil
Operator Name:	Defense Fuel Supply Point San Pedro
Operator Address:	3171 Gaffey St
Operator City:	San Pedro
Operator State:	California
Operator Zip:	90731
Operator Contact:	Chad Lorenzana
Operator Contact Title:	Not reported
Operator Contact Phone:	562-626-7291
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	chad.lorenzana@navy.mil
Operator Type:	Federal Agency
Developer:	Command Performance Constructors
Developer Address:	3346 Olive Ave
Developer City:	Signal Hill
Developer State:	California
Developer Zip:	90755

SAN PEDRO DEFENSE FUEL SUPPLY POINT - - OU1 AND OU2 (Continued) **S101481075**

Developer Contact:	Jimmy Chavez
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Chad Lorenzana
Certifier Title:	Not reported
Certification Date:	09-NOV-12
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Agency:	Defense Fuel Supply Point San Pedro
Agency Address:	3171 Gaffey St, San Pedro, CA 90731
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	4
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	4 19C365033
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/09/2012
Termination Date:	02/20/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	33.77587
Longitude:	-118.29902

R92
SE
1/2-1
0.880 mi.
4649 ft.

Relative:
Lower

Actual:
41 ft.

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLAN
1660 WEST ANAHEIM STREET
WILMINGTON, CA 90744

Site 1 of 2 in cluster R

CORRACTS **1000337291**
RCRA-TSDF **90748NCLLS1660W**
RCRA-LQG
US FIN ASSUR
2020 COR ACTION
TRIS
RAATS
ICIS
US AIRS
FINDS

CORRACTS:

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19911001
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19840901
Action: CA049PA
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19941004
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19921105
Action: CA050 - RFA Completed
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19921105
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19921105

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20010309
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20010309
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20010309
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940310
Action: CA150 - RFI Workplan Approved

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20021114
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 20021114
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20021114
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940922
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940922
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19940922
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19850225

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action: CA100 - RFI Imposition
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19850225
Action: CA250 - CMS Imposition
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19900628
Action: CA049SI
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: 19920629
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920629
Action: CA225IN - Stabilization Measures Evaluation, This facility is not, amenable to stabilization activity because of, a lack of technical

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

data. An evaluation has been completed, but further data is necessary to determine stabilization measures, feasibility or appropriateness. This status should be changed when data becomes available
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA210 - CA Responsibility Referred To A Non-RCRA Federal Authority
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19971029
Action: CA725NO - Current Human Exposures Under Control, Current human exposures are NOT under control
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19940731
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CAD008237679
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19920331
Action: CA049RE
NAICS Code(s): 32411
Petroleum Refineries
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 02/26/2016
Facility name: PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT
Facility address: 1660 WEST ANAHEIM STREET
WILMINGTON, CA 90744
EPA ID: CAD008237679
Mailing address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Contact: MARSHALL G WALLER
Contact address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Contact country: US
Contact telephone: 310-952-6120
Contact email: Not reported
EPA Region: 09
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: PHILLIPS 66 COMPANY
Owner/operator address: WEST ANAHEIM STREET
WILMINGTON, CA 90744
Owner/operator country: US
Owner/operator telephone: 310-952-6000
Owner/operator email: Not reported
Owner/operator fax: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/01/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 CO
Owner/operator address: 700 PLAZA OFFICE BLDG
BARTLESVILLE, CA 74004
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 CO LOS ANGELES REFINERY
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/26/2012
Owner/Op end date: Not reported

Owner/operator name: PHILLIPS 66 COMPANY
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/01/2012
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 341
. Waste name: Organic liquids (nonsolvents) with halogens

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 751
. Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

Historical Generators:
Date form received by agency: 03/01/2014
Site name: PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 223
. Waste name: Unspecified oil-containing waste

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: K170
. Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT

Date form received by agency: 04/18/2012
Site name: LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F038
. Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K049
. Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K169
. Waste name: Crude oil storage tank sediment from petroleum refining operations.

. Waste code: K170

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

. Waste code: K172
. Waste name: Spent hydro refining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media).

Date form received by agency: 03/27/2012
Site name: CONOCOPHILLIPS - LOS ANGELES REFINERY WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: 141
. Waste name: Off-specification, aged, or surplus inorganics

. Waste code: 162
. Waste name: Other spent catalyst

. Waste code: 172
. Waste name: Metal dust (see 121) and machining waste

. Waste code: 181
. Waste name: Other inorganic solid waste

. Waste code: 212
. Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)

. Waste code: 222
. Waste name: Oil/water separation sludge

. Waste code: 331
. Waste name: Off-specification, aged, or surplus organics

. Waste code: 352
. Waste name: Other organic solids

. Waste code: 461
. Waste name: Degreasing sludge

. Waste code: 551
. Waste name: Laboratory waste chemicals

. Waste code: 611
. Waste name: Contaminated soil from site clean-ups

. Waste code: 725
. Waste name: Liquids with mercury > 20 mg/l

. Waste code: 791
. Waste name: Liquids with pH < 2

. Waste code: D001

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K170
. Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT

Date form received by agency: 10/26/2010
Site name: 3358471 LOS ANGELES REFINERY WILMINGTON
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

. Waste code: D018

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Date form received by agency: 06/22/2010
Site name: CONOCOPHILLIPS CO - LARW
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K170
. Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

Date form received by agency: 02/20/2008
Site name: CONOCOPHILLIPS CO. LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

Date form received by agency: 02/24/2006
Site name: CONOCOPHILLIPS LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K051
. Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

Date form received by agency: 02/26/2004
Site name: CONOCOPHILLIPS LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: K048
. Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K050
. Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

. Waste code: K171
. Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Date form received by agency: 11/25/2002
Site name: LOS ANGLES REFINERY WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/22/2002
Site name: TOSCO CORP., LAR, WILMINGTON PLANT
Classification: Large Quantity Generator

Date form received by agency: 10/12/2000
Site name: TOSCO LOS ANGELES REFINERY - WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/04/1999
Site name: TOSCO LOS ANGELES REFINERY - WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/07/1997
Site name: TOSCO LOS ANGLES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 09/01/1996
Site name: TOSCO LOS ANGLES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 03/01/1996
Site name: 76 PRODUCTS COMPANY-LAR WILMINGTON
Classification: Large Quantity Generator

Date form received by agency: 03/30/1994
Site name: UNOCAL REFINERY
Classification: Large Quantity Generator

Date form received by agency: 04/01/1992
Site name: UNOCAL - LOS ANGELES REFINERY
Classification: Large Quantity Generator

Date form received by agency: 04/26/1990
Site name: UNOCAL - LOS ANGELES REFINERY
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 43650

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Amount (Lbs): 97

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 2171

Waste code: D004
Waste name: ARSENIC
Amount (Lbs): 545669

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 10

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 2548

Waste code: D008
Waste name: LEAD
Amount (Lbs): 4866

Waste code: D009
Waste name: MERCURY
Amount (Lbs): 20300

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 252478

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 406

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 567

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

MIXTURES.
Amount (Lbs): 406

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 406

Waste code: F037
Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.
Amount (Lbs): 113068

Waste code: K050
Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 56659

Waste code: K051
Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY
Amount (Lbs): 1902

Waste code: K171
Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)
Amount (Lbs): 605543

Corrective Action Summary:
Event date: 09/01/1984
Event: PA OR CERCLA INSPECTION

Event date: 02/25/1985
Event: INVESTIGATION IMPOSITION

Event date: 02/25/1985
Event: CMS IMPOSITION

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Event date: 06/28/1990
Event: PA OR CERCLA INSPECTION

Event date: 10/01/1991
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 03/31/1992
Event: PA OR CERCLA INSPECTION

Event date: 03/31/1992
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/29/1992
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 06/29/1992
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 06/29/1992
Event: STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY

Event date: 11/05/1992
Event: RFA COMPLETED

Event date: 11/05/1992
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 03/10/1994
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 07/31/1994
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 09/22/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 09/22/1994
Event: STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION

Event date: 10/04/1994
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 10/29/1997
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 10/29/1997
Event: REFERRED TO A NON-RCRA AUTHORITY

Event date: 10/29/1997
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 03/09/2001
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 11/14/2002
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 11/14/2002
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/29/2016
Date achieved compliance: 10/17/2016
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/22/2016
Date achieved compliance: 03/23/2016
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/23/2016
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 11/08/2006
Date achieved compliance: 11/15/2006
Violation lead agency: State

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/15/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 06/27/2005
Date achieved compliance: 09/02/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/27/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 04/20/2005
Date achieved compliance: 04/21/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/20/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/08/2002
Date achieved compliance: 02/29/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/24/2002
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement action date: 10/16/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: SINGLE SITE CA/FO
Enforcement action date: 10/16/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 15000
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 10/18/2000
Date achieved compliance: 11/16/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/19/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/22/1999
Date achieved compliance: 11/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/24/1999

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 11/22/1999
Date achieved compliance: 11/24/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/24/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.50-60
Area of violation: Generators - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 04/01/1994
Date achieved compliance: 04/11/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 01/29/1993
Date achieved compliance: 02/16/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 12/20/1991
Date achieved compliance: 02/21/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 01/29/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 04/15/1991
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700
Paid penalty amount: Not reported

Regulation violated: FR - 264.140-150.H
Area of violation: TSD - Financial Requirements
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/07/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60
Area of violation: Generators - General
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 225000
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 11/08/1990
Date achieved compliance: 11/09/1993
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/15/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 689700
Final penalty amount: 689700
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 04/02/1986
Date achieved compliance: 04/10/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 07/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Regulation violated: F - FEA
Area of violation: Formal Enforcement Agreement or Order
Date violation determined: 07/18/1984
Date achieved compliance: 04/30/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/20/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 09/14/2016
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/29/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/17/2016
Evaluation lead agency: State

Evaluation date: 03/22/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/23/2016
Evaluation lead agency: State

Evaluation date: 08/27/2015
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/25/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/25/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 10/22/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation date: 06/26/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/08/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/03/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/08/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 11/15/2006
Evaluation lead agency: State

Evaluation date: 12/27/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/27/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 09/02/2005
Evaluation lead agency: State

Evaluation date: 04/20/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/21/2005
Evaluation lead agency: State

Evaluation date: 04/08/2002
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 02/29/2004
Evaluation lead agency: State

Evaluation date: 11/16/2000
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/16/2000
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/16/2000
Evaluation lead agency: State

Evaluation date: 10/18/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/22/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/24/1999
Evaluation lead agency: State

Evaluation date: 11/22/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/24/1999
Evaluation lead agency: State

Evaluation date: 01/26/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/1996
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation date: 02/16/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 04/11/1995
Evaluation lead agency: State

Evaluation date: 11/09/1993
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/30/1993
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/04/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/16/1994
Evaluation lead agency: State

Evaluation date: 12/16/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 11/22/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/21/1992
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/29/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 11/08/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 11/09/1993
Evaluation lead agency: EPA

Evaluation date: 04/02/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/10/1986
Evaluation lead agency: EPA

Evaluation date: 04/30/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Evaluation date: 07/18/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Formal Enforcement Agreement or Order
Date achieved compliance: 04/30/1985
Evaluation lead agency: State

Evaluation date: 07/18/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 04/30/1985
Evaluation lead agency: State

US FIN ASSUR:
EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2200000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 6000000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2000000
Face value: 11999569.94
Effective date: 2017-03-23 00:00:00
Provider: PHILLIPS 66
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2357425
Face value: 130860128
Effective date: 2011-03-22 00:00:00
Provider: CONOCO PHILLIPS
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 1296337

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Face value: 130860128
Effective date: 2011-03-22 00:00:00
Provider: CONOCO PHILLIPS
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 6000000
Face value: 6000000
Effective date: 2015-03-24 00:00:00
Provider: PHILLIPS 66
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: C
Mechanism Type Description: CORPORATE GUARANTEE
Cost estimate: 2000000
Face value: 2000000
Effective date: 2015-03-24 00:00:00
Provider: PHILLIPS 66
EPA region: 9

EPA ID: CAD008237679
County: Not reported
Mechanism type: F
Mechanism Type Description: FINANCIAL TEST
Cost estimate: 1027925
Face value: 1242010
Effective date: 2008-03-24 00:00:00
Provider: CONOCO-PHILLIPS
EPA region: 9

2020 COR ACTION:
EPA ID: CAD008237679
Region: 9
Action: Not reported

TRIS:

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ICIS:
Enforcement Action ID: CASCAA200140325
FRS ID: 110000476235
Action Name: NOV P64606 ISSUED ON 6/29/2016 FOR RULE 3002(c)(1)
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA200137944
FRS ID: 110000476235
Action Name: NOV P64601 AND P64602 FOR RULES 2004, 2011, AND 2012
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300218
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300218
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300217
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300217
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300142
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300142
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300141
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300141
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300137
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300137
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300136
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300136
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300129
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300129
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300128
FRS ID: 110000476235

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300128
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300126
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300126
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300124
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300124
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action ID:	CASCAA000006037CJ48300112
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300112
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300111
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300111
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300107
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300107
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300106
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300106
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300103
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300103
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300102
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300102
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300099
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300099
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300098
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300098
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300095
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300095
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300094
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300094
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300091
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300091
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300090
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300090
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300087
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300087
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300086
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300086
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300077
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300077
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300076
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300076
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300073
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300073
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300072
FRS ID: 110000476235

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300072
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300069
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300069
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300068
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300068
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action ID: CASCAA000006037CJ48300065
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300065
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300064
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300064
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300061
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300061
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300060
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300060
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300057
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300057
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300056
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300056
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300053
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300053
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300052
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300052
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300049
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300049
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300048
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300048
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300045
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300045
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300044
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300044
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300043
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300043
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300042
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300042
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300041
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300041
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

	WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300038
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300038
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST
	WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300037
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300037
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST
	WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300034
FRS ID:	110000476235

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300034
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300033
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300033
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300030
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300030
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Enforcement Action ID:	CASCAA000006037CJ48300029
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300029
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300026
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300026
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Administrative Order
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483
Facility NAICS Code:	324110
Tribal Land Code:	Not reported

Enforcement Action ID:	CASCAA000006037CJ48300025
FRS ID:	110000476235
Action Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300025
Facility Name:	PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address:	1660 W ANAHEIM ST WILMINGTON, CA 90744
Enforcement Action Type:	Notice of Violation
Facility County:	LOS ANGELES
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	33.774469
Longitude in Decimal Degrees:	-118.290696
Permit Type Desc:	Not reported
Program System Acronym:	CASCA00006037CJ483

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300022
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300022
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300021
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300021
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300018
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300018
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300017
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300017
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300012
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300012
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300011
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300011
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300008
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300008
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300007
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300007
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300004
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300004
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Administrative Order
Facility County: LOS ANGELES

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: CASCAA000006037CJ48300003
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300003
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Notice of Violation
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

Enforcement Action ID: 09-2006-A027
FRS ID: 110000476235
Action Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON 06037CJ48300114
Facility Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Facility Address: 1660 W ANAHEIM ST
WILMINGTON, CA 90744
Enforcement Action Type: Civil Judicial Action
Facility County: LOS ANGELES
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 2911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 33.774469
Longitude in Decimal Degrees: -118.290696
Permit Type Desc: Not reported
Program System Acronym: CASCA00006037CJ483
Facility NAICS Code: 324110
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000337291
Region Code: 09
County Code: CA037

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
D and B Number: Not reported
Facility Site Name: PHILLIPS 66 CO/LA REFINERY WILMINGTON
Primary SIC Code: 2911
NAICS Code: 324110
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: ADDRESSED HPV

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2012-05-17 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-17 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: PSD Preconstruction Requirements
Activity Date: Not reported
Activity Status Date: 2012-08-27 05:41:54
Activity Group: Case File
Activity Type: Case File
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Addressed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2001-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2001-03-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2002-11-21 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2003-03-07 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2003-07-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-11-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Case File
Activity Type: Case File

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2006-08-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2009-06-04 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2012-02-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-08-31 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2016-01-26 18:30:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-04-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-06-16 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-12 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-11 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-12-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-24 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-08 00:00:00
Activity Status Date: 2000-03-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-06-02 00:00:00
Activity Status Date: 2000-06-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-02-13 00:00:00
Activity Status Date: 2001-02-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-30 00:00:00
Activity Status Date: 2001-08-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-09-26 00:00:00
Activity Status Date: 2001-09-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-24 00:00:00
Activity Status Date: 2003-06-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-10-01 00:00:00
Activity Status Date: 2004-10-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-02-10 00:00:00
Activity Status Date: 2005-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-03-01 00:00:00
Activity Status Date: 2006-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-02-15 00:00:00
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-05-23 00:00:00
Activity Status Date: 2008-05-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-09 00:00:00
Activity Status Date: 2009-01-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-08 00:00:00
Activity Status Date: 2010-10-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-05-05 00:00:00
Activity Status Date: 1999-05-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-17 00:00:00
Activity Status Date: 1999-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-26 00:00:00
Activity Status Date: 2000-10-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-03-29 00:00:00
Activity Status Date: 2001-03-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-04-05 00:00:00
Activity Status Date: 2001-04-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-25 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2003-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-04-28 00:00:00
Activity Status Date: 2004-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-04-30 00:00:00
Activity Status Date: 2004-04-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-28 00:00:00
Activity Status Date: 2004-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-01 00:00:00
Activity Status Date: 2005-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-15 00:00:00
Activity Status Date: 2008-01-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-28 00:00:00
Activity Status Date: 2008-08-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-28 00:00:00
Activity Status Date: 2010-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: 2005-12-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Addressed

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-06-01 14:34:34
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-08-12 19:41:52
Activity Group: Case File
Activity Type: Case File
Activity Status: Notified

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-08 00:00:00
Activity Group: Case File
Activity Type: Case File

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 1999-04-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-06-20 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2000-10-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2001-08-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2001-09-12 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2002-01-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-05-13 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-07-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2003-09-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2005-11-28 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-08-10 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2008-08-08 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2009-02-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-02-17 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-22 00:00:00
Activity Status Date: 2016-01-26 18:34:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-16 00:00:00
Activity Status Date: 2016-01-26 18:36:51
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-28 00:00:00
Activity Status Date: 2016-01-26 18:39:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-06 00:00:00
Activity Status Date: 2016-01-26 18:42:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-01 00:00:00
Activity Status Date: 2016-01-26 18:44:29
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-04 00:00:00
Activity Status Date: 2016-01-26 18:47:09
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-13 00:00:00
Activity Status Date: 2016-01-26 18:49:35
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-26 00:00:00
Activity Status Date: 2016-01-26 18:51:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-29 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2016-01-26 18:54:00
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-04 00:00:00
Activity Status Date: 2016-01-26 18:55:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-05 00:00:00
Activity Status Date: 2016-01-26 18:57:26
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-17 00:00:00
Activity Status Date: 2016-01-26 18:59:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-24 00:00:00
Activity Status Date: 2016-01-26 19:01:10
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-03-25 00:00:00
Activity Status Date: 2016-01-26 19:03:47
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-07 00:00:00
Activity Status Date: 2016-01-26 19:05:46
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-08 00:00:00
Activity Status Date: 2016-01-26 19:07:31
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-20 00:00:00
Activity Status Date: 2016-01-26 19:10:18
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-23 00:00:00
Activity Status Date: 2016-01-26 19:13:45
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-28 00:00:00
Activity Status Date: 2016-01-26 19:15:30
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-08 00:00:00
Activity Status Date: 2016-01-26 19:17:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-12 00:00:00
Activity Status Date: 2016-01-26 19:19:33
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-18 00:00:00
Activity Status Date: 2016-01-26 19:21:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-06-09 00:00:00
Activity Status Date: 2016-01-26 19:23:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-31 00:00:00
Activity Status Date: 2016-01-26 18:30:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-08-25 00:00:00
Activity Status Date: 2016-10-07 14:30:01
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-02-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-04-11 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-09-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-11 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-06-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-05 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-08-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-02-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-20 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-28 00:00:00
Activity Status Date: 1998-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-06 00:00:00
Activity Status Date: 1998-09-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-10-13 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 1998-10-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-08-24 00:00:00
Activity Status Date: 1999-08-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-09-01 00:00:00
Activity Status Date: 1999-09-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-11-03 00:00:00
Activity Status Date: 1999-11-03 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-04-18 00:00:00
Activity Status Date: 2000-04-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-08-17 00:00:00
Activity Status Date: 2000-08-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-01-19 00:00:00
Activity Status Date: 2001-01-19 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-07-24 00:00:00
Activity Status Date: 2001-07-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-10-25 00:00:00
Activity Status Date: 2001-10-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-07 00:00:00
Activity Status Date: 2002-05-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-24 00:00:00
Activity Status Date: 2003-06-24 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-10-01 00:00:00
Activity Status Date: 2004-10-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-02-10 00:00:00
Activity Status Date: 2005-02-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-03-01 00:00:00
Activity Status Date: 2006-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-02-15 00:00:00
Activity Status Date: 2008-02-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-05-23 00:00:00
Activity Status Date: 2008-05-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-08 00:00:00
Activity Status Date: 2010-10-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-04-07 00:00:00
Activity Status Date: 1998-04-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-08-06 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 1998-08-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-09-23 00:00:00
Activity Status Date: 1998-09-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-13 00:00:00
Activity Status Date: 1999-03-13 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-06-17 00:00:00
Activity Status Date: 1999-06-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-07-01 00:00:00
Activity Status Date: 1999-07-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-01 00:00:00
Activity Status Date: 2000-03-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-03-14 00:00:00
Activity Status Date: 2000-03-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-07-17 00:00:00
Activity Status Date: 2000-07-17 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-07-26 00:00:00
Activity Status Date: 2000-07-26 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-08-15 00:00:00
Activity Status Date: 2000-08-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-08 00:00:00
Activity Status Date: 2000-12-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-06-29 00:00:00
Activity Status Date: 2001-06-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-05 00:00:00
Activity Status Date: 2002-02-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-25 00:00:00
Activity Status Date: 2003-01-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-05 00:00:00
Activity Status Date: 2003-03-05 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-28 00:00:00
Activity Status Date: 2004-04-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-04-30 00:00:00
Activity Status Date: 2004-04-30 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-28 00:00:00
Activity Status Date: 2004-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-01 00:00:00
Activity Status Date: 2005-12-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-03-21 00:00:00

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Activity Status Date: 2007-03-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-28 00:00:00
Activity Status Date: 2007-09-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-15 00:00:00
Activity Status Date: 2008-01-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-28 00:00:00
Activity Status Date: 2010-05-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-04-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CASCA00006037CJ483
Facility Registry ID: 110000476235
Air Operating Status Code: OPR

PHILLIPS 66 - LOS ANGELES REFINERY WILMINGTON PLANT (Continued) **1000337291**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2016-06-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

FINDS:

Registry ID: 110058300173

Environmental Interest/Information System
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R93
SE
1/2-1
0.880 mi.
4649 ft.

Relative:
Lower

Actual:
41 ft.

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON P
1660 W ANAHEIM ST
WILMINGTON, CA 90744

Site 2 of 2 in cluster R

ENVIROSTOR **S103634906**
CPS-SLIC **N/A**
CHMIRS
EMI
ICE
HWP
NPDES

ENVIROSTOR:

Facility ID: 19280289
Status: Refer: RCRA
Status Date: 03/01/1995
Site Code: 200436
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 70
Senate: 35
Special Program: * RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77681
Longitude: -118.2889
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * HOUSEHOLD WASTES * OIL/WATER SEPARATION SLUDGE * OTHER STILL BOTTOM WASTE Asbestos Containing Materials (ACM * TANK BOTTOM WASTES * UNSPECIFIED ACID SOLUTION * UNSPECIFIED ALKALINE SOLUTIONS * UNSPECIFIED AQUEOUS SOLUTION * UNSPECIFIED SLUDGE WASTE * WASTE OIL & MIXED OIL * OTHER INORGANIC SOLID WASTE * OTHER SPENT CATALYST *

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

UNSPECIFIED ORGANIC LIQUID MIXTURE * FCC WASTE * SULFUR SLUDGE * TETRAETHYL LEAD SLUDGE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: UNION OIL CO OF CA LOS ANGELES REFINERY
Alias Type: Alternate Name
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 200436
Alias Type: Project Code (Site Code)
Alias Name: 19280289
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/01/1995
Comments: NFA for Site Mitigation Operations, this is a RCRA facility.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/01/1984
Comments: INSPECTION(STATE) WATER SAMPLESWERE TAKEN OVER YRS BY RWQ SOURCE ACT: REFINERY OPERATION YR OF OPER: T/C W/ E.D.LANGEVIN,UNION, 213-513-7600,3/28/84 - 1940 TO PRESENT FINAL STRATEGY RECOM - WATER & SOIL ANALYSIS PRELIM ASSESS DONE RCRA 3012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/11/1983
Comments: FACILITY IDENTIFIED ID FROM ERRIS

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 04/15/1980
Comments: FACILITY IDENTIFIED IW SURVEY QUESTIONNAIRE 12580 QUESTIONNAIRE RECEIVED

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 71002152
Status: Refer: Other Agency
Status Date: Not reported
Site Code: Not reported
Site Type: Tiered Permit
Site Type Detailed: Tiered Permit

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77845
Longitude: -118.2890
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 71002152
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Facility ID: 80001531
Status: Refer: RWQCB
Status Date: 01/01/2008
Site Code: 400395
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: RWQCB
Lead Agency: WQC
Program Manager: Not reported
Supervisor: * Unknown
Division Branch: Cleanup Chatsworth
Assembly: 70
Senate: 35
Special Program: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.77693
Longitude: -118.2887
APN: 7412022010
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 7412022010
Alias Type: APN
Alias Name: CAD008237679
Alias Type: EPA Identification Number
Alias Name: 400395
Alias Type: Project Code (Site Code)
Alias Name: 80001531
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/05/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 03/10/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/01/1984
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Implementation Report
Completed Date: 07/31/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 11/14/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Workplan
Completed Date: 10/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Completed Document Type: Preliminary Assessment Report
Completed Date: 03/31/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/28/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 06/29/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 03/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 09/22/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 12/22/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 02/25/1985
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 03/09/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

CPS-SLIC:

Region:	STATE
Facility Status:	**Open - Assessment & Interim Remedial Action**
Status Date:	09/29/2005
Global Id:	SLT43132130
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number:	Not reported
Latitude:	33.777194
Longitude:	-118.288711
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0231
File Location:	Regional Board
Potential Media Affected:	Aquifer used for drinking water supply, Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Benzene, Diesel, MTBE / TBA / Other Fuel Oxygenates, Gasoline, Other Petroleum
Site History:	The Wilmington Plant (Plant) has been in operation since June 1919 with refinery operations initiated in 1940. Currently the Wilmington Plant serves as the upgrade unit of the ConocoPhillips Los Angeles Refinery (COP LAR), which consists of two plants located in Carson and Wilmington, California. LAR Wilmington processes intermediate petroleum streams (i.e., naphtha distillates, diesel distillates, and gas oil) provided by pipeline from the Carson Plant into finished products. The major products of the facility currently include automotive gasoline, jet fuel, and diesel. Since 1985, the refinery has been under numerous directives, issued by the Water Board under authority in sections 13304 and 13267 of the California Water Code (CWC), to investigate and cleanup releases of wastes. Cleanup and Abatement Order (CAO) No. 93-48, issued by the Executive Officer of RWQCB on August 10, 1993, directing the former owner of Wilmington Plant, Unocal, to complete the investigation and assessment for onsite and offsite soil and groundwater contamination. In 1994, this Order was revised, by the Executive Officer, in CAO No. 94-139. On June 28, 2005 RWQCB ordered, pursuant to section 13267 of the CWC, COP to perform investigation and analysis to determine the extent and magnitude of TBA impacts on Lynwood and Silverado aquifers. COP is in compliance with the Orders, currently carrying out tasks including: semi-annual groundwater monitoring and reporting; O&M hydrocarbon recovery system; LNAPL mobility study; deeper aquifers groundwater investigation to further assess TBA migration; implementation of Interim Remedial Action Plan for the southwestern plume, focusing Blocks 72 through 74 remediation system design and installation; refine conceptual site model; pilot stest on the air-sparge and vapor extraction system for the north plume . The Master Work Plan was previously updated in 2015, and will be updated by September 2017.

Click here to access the California GeoTracker records for this facility:

CHMIRS:

OES Incident Number:	15-0312
OES notification:	01/17/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	19
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/17/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Facility venting for unknown reasons, material is combusting and venting directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	1-5101
OES notification:	08/28/2011
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1415
Year:	2011
Agency:	Conoco-Phillips
Incident Date:	8/28/2011
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	No
Site Type:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller their refinery is having a flaring event for an unknown reason. They are currently investigating the cause of the flaring event. This does not involve a pipeline. They believe the release has stopped at this time.
OES Incident Number:	4-5974
OES notification:	10/20/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1715
Year:	2014
Agency:	Phillips 66
Incident Date:	10/20/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Per the caller for a yet to be determined reason a flaring event occured.
OES Incident Number:	4-6690
OES notification:	11/23/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1515
Year:	2014
Agency:	Phillips 66
Incident Date:	11/23/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Planned unit start up caused the release, material is combusting and venting directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	5-0001
OES notification:	01/01/2015

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	1/1/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	10-7429
OES notification:	12/10/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	930
Year:	2010
Agency:	Conoco Phillips
Incident Date:	12/10/2010
Admin Agency:	LACoFD Health Haz-Mat

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The release was due to flaring from unknown cause.
	Not reported
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

OES Incident Number:	17-0529
OES notification:	01/18/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	N/A
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	309
Year:	2017
Agency:	Phillips 66
Incident Date:	01/18/2017
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	N/A
E Date:	Not reported
Substance:	SO2
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP States: An upset in the refinery caused a release of SO2 in the amount of greater than 500 pounds The release has been stopped. The SO2 is unrecoverable in the atmosphere.
OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	01/01/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	15-0221
OES notification:	01/12/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1940
Year:	2015
Agency:	Phillips 66
Incident Date:	01/12/2015
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller for a yet to be determined reason a flaring event occured.
OES Incident Number:	15080
OES notification:	Not reported
OES Date:	8/12/1996
OES Time:	01:43:28 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	dissipated
Containment:	Not reported
What Happened:	Not reported
Type:	VAPOR
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1996
Agency:	unocal la-refinery
Incident Date:	1550/10 Aug 96
Admin Agency:	Not reported
Amount:	over 10 lbs.
Contained:	NO
Site Type:	REF
E Date:	Not reported
Substance:	nitrogen dioxide
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	unit 119 b101 scr fan tripped out due to power failer releasing excess of nitrogen dioxide. was back on line within approx. 2 hrs.

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

OES Incident Number:	15-0001
OES notification:	01/01/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	408
Year:	2015
Agency:	Phillips 66 Refinery
Incident Date:	2015-01-01 00:00:00
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide - SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Power failure possibly caused the release, material combusted and vented directly into the atmosphere, RP is handling containment and no clean up required.
OES Incident Number:	4-4678
OES notification:	08/20/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Date/Time:	1731
Year:	2014
Agency:	Phillips 66
Incident Date:	8/20/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Flaring event is causing the release, exact cause is under investigation, RP is handling containment and no clean up required.
OES Incident Number:	17-0100
OES notification:	01/05/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1415
Year:	2017
Agency:	Phillips 66 Co.
Incident Date:	01/05/2017
Admin Agency:	Los Angeles City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Over 500 lbs.of sulfur dioxide is still releasing in the atmosphere due to power supply failure. Release is not cotained and still releasing. Stabilizing the operation will be conducted to stop the release. No waterways impacted.
OES Incident Number:	4-4528
OES notification:	08/13/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	420
Year:	2014
Agency:	Phillips 66
Incident Date:	8/13/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	No
Site Type:	Not reported
E Date:	Not reported
Substance:	Acid - Sulfuric Type
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	During transportation by tanker truck a lid was possibly left ajar causing the release, material is flowing onto asphalt on various roadways, truck has not been located and may still be releasing material, truck capacity is unknown, RP is handling containment and clean up.
OES Incident Number:	10-4765
OES notification:	08/10/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Bbl.(s)
Other:	Not reported
Date/Time:	1030
Year:	2010
Agency:	Conoco Phillips
Incident Date:	8/10/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Substance:	Water/Hydrocarbons
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a potential release to ground water. There was a release of processed sewer water in an excavation. The water is being vacuumed out of the trench.
OES Incident Number:	4-0536
OES notification:	01/28/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	No
Containment:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	1430-1500
Year:	2014
Agency:	Phillips 66
Incident Date:	1/28/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfur Dioxide, SOX
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Unscheduled flaring due to unknown causes, material combusted and vented directly into the atmosphere, RP is handling the containment and no clean up required.
OES Incident Number:	10-0884
OES notification:	02/02/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	445
Year:	2010
Agency:	Conoco Phillips
Incident Date:	2/2/2010
Admin Agency:	LACoFD Health Haz-Mat
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	sulphur dioxide
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: A flaring event occurred for unknown reasons. Investigation underway.

EMI:

Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	56436
Air District Name:	SC
SIC Code:	9999

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	56436
Air District Name:	SC
SIC Code:	4959
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Year:	2014
County Code:	19
Air Basin:	SC
Facility ID:	176730
Air District Name:	SC
SIC Code:	4953
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.027524475524
Reactive Organic Gases Tons/Yr:	0.01968
Carbon Monoxide Emissions Tons/Yr:	0.26915
NOX - Oxides of Nitrogen Tons/Yr:	1.04933
SOX - Oxides of Sulphur Tons/Yr:	0.34831
Particulate Matter Tons/Yr:	0.0212
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0212

Year:	2015
County Code:	19
Air Basin:	SC
Facility ID:	176730
Air District Name:	SC
SIC Code:	4953
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.15221241081
Reactive Organic Gases Tons/Yr:	0.13028645
Carbon Monoxide Emissions Tons/Yr:	0.512529

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

NOX - Oxides of Nitrogen Tons/Yr:	1.40437824
SOX - Oxides of Sulphur Tons/Yr:	0.329014
Particulate Matter Tons/Yr:	0.02002695
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02002695

Year:	2016
County Code:	19
Air Basin:	SC
Facility ID:	176730
Air District Name:	SC
SIC Code:	4953
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.12937108524
Reactive Organic Gases Tons/Yr:	0.09693
Carbon Monoxide Emissions Tons/Yr:	0.24
NOX - Oxides of Nitrogen Tons/Yr:	0.5
SOX - Oxides of Sulphur Tons/Yr:	0.050341
Particulate Matter Tons/Yr:	0.00745
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00745

ICE:

Envirostor ID:	3001177
EPA ID:	CAD008237679
Site Type:	INSPECTION
Facility Status:	No Action

Enforcement:

Action Type:	Consent Order with Enforcement and Settlement - Federal CA/FO (385)
Action Date:	10/16/2001

Inspection:

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	11/08/2006
Violation Class:	Minor
RTC Date:	11/15/2006

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	10/18/2000
Violation Class:	Class 1
RTC Date:	11/16/2000

Action Type:	Financial Records Review - Post-Closure
Action Date:	04/19/2007
Violation Class:	No Violations
RTC Date:	Not reported

Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	04/20/2005
Violation Class:	Minor
RTC Date:	04/21/2005

Action Type:	Financial Records Review - Post-Closure
Action Date:	12/08/2009
Violation Class:	No Violations
RTC Date:	Not reported

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 11/03/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 11/22/1999
Violation Class: Minor
RTC Date: 11/24/1999

Action Type: Financial Records Review - Treatment, Storage and Disposal
Action Date: 06/27/2005
Violation Class: Class 2
RTC Date: 09/02/2005

Action Type: Groundwater Monitoring Evaluation - Treatment, Storage and Disposal
Action Date: 04/08/2002
Violation Class: Class 2
RTC Date: 02/29/2004

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 06/26/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Financial Records Review - Post-Closure
Action Date: 09/14/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 03/22/2016
Violation Class: Class 2, Minor
RTC Date: 03/23/2016

HWP:
EPA Id: CAD008237679
Cleanup Status: POST CLOSURE PERMIT
Latitude: 33.77693
Longitude: -118.2887
Facility Type: Post-Closure Permitted
Facility Size: Large Postclosure
Team: PHILLIP BLUM
Supervisor: MIKE ESHAGHIAN
Site Code: 400392
Assembly District: 70
Senate District: 35
Public Information Officer: Not reported
Public Information Officer: Not reported

Activities:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - RESPONSE TO 1ST REQUEST FOR FUTHER INFORMATION
Actual Date: 07/20/2017

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - CALL-IN LETTER ISSUED
Actual Date: 01/24/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 03/05/2013

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - CEQA DETERMINATION
Actual Date: 07/31/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 07/31/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/26/1994

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - APPLICATION PART A RECEIVED
Actual Date: 01/16/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - ADMINISTRATIVE REVIEW APPROVED
Actual Date: 02/22/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - PUBLIC NOTICE - POST-CLOSURE PERMIT RECEIVED
Actual Date: 05/11/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Event Description: PC Renewal PC - No Changes - APPLICATION PART B RECEIVED
Actual Date: 01/29/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO NEWSPAPER BY PERMITTEE
Actual Date: 07/25/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - CALL-IN LETTER ISSUED
Actual Date: 09/25/1990

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION
Actual Date: 03/05/2013

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - PUBLIC NOTICE TO MAILING LIST BY PERMITTEE
Actual Date: 07/25/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 09/23/1991

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - 1ST REQUEST FOR FURTHER INFORMATION
Actual Date: 07/18/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - UPDATED APPLICATION RECEIVED
Actual Date: 07/18/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - ACKNOWLEDGEMENT OF PERMIT MOD LETTER
Actual Date: 07/31/2017

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 02/22/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: PC Renewal PC - No Changes - DTSC MEETING WITH APPLICANT
Actual Date: 07/06/2017

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: *Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 04/08/2013

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: Not reported
Event Description: Mod Class 1* - Prior Approval Required - FINAL PERMIT MODIFICATION (EFFECTIVE)
Actual Date: 07/31/2017

Closure:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (PUBLIC MEETING)
Actual Date: 06/10/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (END)
Actual Date: 07/03/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - PUBLIC COMMENT (BEGIN)
Actual Date: 05/20/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT
Actual Date: 07/24/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EFFECTIVE)
Actual Date: 07/24/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - APPLICATION PART B RECEIVED
Actual Date: 11/23/1998

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 12/24/1998

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - DRAFT POST-CLOSURE PERMIT
Actual Date: 05/20/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 11/08/2007

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - TECHNICAL COMPLETE LETTER
Actual Date: 05/08/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - CALL-IN LETTER ISSUED
Actual Date: 03/29/1996

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 08/26/1994

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - DISCLOSURE (CLEARED)
Actual Date: 07/25/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL POST-CLOSURE PERMIT (EXPIRES)
Actual Date: 07/23/2018

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date: 06/25/1996

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - CEQA DETERMINATION
Actual Date: 07/24/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - FINAL PART A & PART B RECEIVED
Actual Date: 05/08/2008

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: New Post-Closure Permit - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 04/04/2007

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Unit Names: SURFIMP1-SHB2
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 07/24/1995

Alias:
EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: Project Code (Site Code)
Alias: 400392

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: APN
Alias: 7412022010

EPA Id: CAD008237679
Facility Type: Post-Closure Permitted
Alias Type: Alternate Name
Alias: PHILLIPS 66 Company-LARW

Maintenance:
EPA Id: CAD008237679
Title: Land Use Covenant Annual Inspection and Compliance Report for Stormwater Holding Basin No. 2 located
Document Type: Deed Restriction / LUC Monitoring Report
Received Date: 08/02/2016

EPA Id: CAD008237679
Title: Semiannual Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Received Date: 06/19/2017

EPA Id: CAD008237679
Title: The Fourth Quarter 2016 Progress Report for Cleanup and Abatement Order No. 94-139, File 85-8, Phillips
Document Type: Monitoring Report - Groundwater
Received Date: 06/19/2017

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

EPA Id: CAD008237679
Title: ConocoPhillips (P66) Wilmington Plant LUC
Document Type: Deed Restriction / LUC Issued
Received Date: 08/23/2013

EPA Id: CAD008237679
Title: Land Use Covenant
Document Type: Deed Restriction / LUC Issued
Received Date: 08/23/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 02/25/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/17/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 09/19/2011

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 02/26/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/25/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/30/2012

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 01/23/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/26/2013

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/24/2013

EPA Id: CAD008237679
Title: Quarterly Progress report

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

Document Type: Monitoring Report - Groundwater
Received Date: 04/23/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/23/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 12/31/2014

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/15/2015

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 07/15/2015

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/12/2015

EPA Id: CAD008237679
Title: Semiannual Groundwater Monitoring Report report
Document Type: Monitoring Report - Groundwater
Received Date: 07/28/2016

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 10/11/2016

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 12/21/2016

EPA Id: CAD008237679
Title: Spring Groundwater Monitoring Report
Document Type: Monitoring Report - Groundwater
Received Date: 01/04/2018

EPA Id: CAD008237679
Title: Quarterly Progress report
Document Type: Monitoring Report - Groundwater
Received Date: 06/18/2018

EPA Id: CAD008237679
Title: Third Quarter 2013 Progress Report
Document Type: Monitoring Report - Groundwater
Received Date: 01/13/2014

PHILLIPS 66 CO LOS ANGELES REFINERY - WILMINGTON PLANT (Continued) **S103634906**

NPDES:

Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	4 19IN602619
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Undetermined
Status Date:	06/20/2014
Operator Name:	Not available - Nonfiler Organization
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

94
North
1/2-1
0.903 mi.
4769 ft.

ABANDONED OIL WELL SITE **ENVIROSTOR** **S100183872**
24509 FRAMPTON AVE **CPS-SLIC** **N/A**
HARBOR CITY, CA 90710

Relative:
Higher

Actual:
63 ft.

ENVIROSTOR:

Facility ID:	19130095
Status:	Refer: Other Agency
Status Date:	10/26/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Cypress
Assembly:	66
Senate:	35
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.80222
Longitude:	-118.2991
APN:	NONE SPECIFIED

ABANDONED OIL WELL SITE (Continued) **S100183872**

Past Use: NONE SPECIFIED
Potential COC: * UNSPECIFIED OIL CONTAINING WASTE
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 19130095
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/26/1994
Comments: Staff recommends No Further Action due to the Department's "Petroleum Exclusion" policy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 02/20/1987
Comments: INSPECTION(STATE) YEARLY INSPECTIONS BY DEPT OF CONSERVATN DIV OF OIL AND GAS PRELIM ASSESS DONE RECOM SI: OIL PRODUCING OPERATION, POOR HOUSEKEEPING, OILY STAINS ON UNPAVED GROUND

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/05/1986
Comments: SITE SCREENING DONE

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Region: STATE
Facility Status: **Completed - Case Closed**
Status Date: 08/05/1996
Global Id: SLT43238236
Lead Agency: LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number: Not reported
Latitude: 33.802499
Longitude: -118.299167
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: 0382
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Not reported

ABANDONED OIL WELL SITE (Continued) **S100183872**

Click here to access the California GeoTracker records for this facility:

Count: 18 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CARSON	S100833322	GOLDEN EAGLE REFINERY	2100 SOUTH FIGUEROA STREET	90745	CA BOND EXP. PLAN
CARSON	S101480710	TED HAMMETT (CARSON)	EAST OF ALAMEDA & NORTH OF SEP	90745	ENVIROSTOR
CARSON	S111075957	K & S RUBBISH	26300 SOUTH VERMONT AVENUE		SWF/LF
LONG BEACH	S122441646	CITY DUMP & SALVAGE #2	6615, 6621, 6695 PACIFIC COAST		SWF/LF
LONG BEACH	S107535929		710 FREEWAY & PACIFIC COAST HI		CDL
RANCHO PALOS VE	S103547010	GOLDEN COVE SHOPPING CENTER	31100 PALOS VERDES	90275	CPS-SLIC
SAN PEDRO	1003878475	LOS ANGELES HARBOR BERTH 115	HARBOR BLVD	90732	SEMS-ARCHIVE, ENVIROSTOR
SAN PEDRO	1004654692	FORT MACARTHUR	PACIFIC AVE	90731	SEMS-ARCHIVE
WILMINGTON	S106387067	WILMINGTON TOWN LOT #369, 371, 372	ANAHEIM	90744	CPS-SLIC
WILMINGTON	S103878767	WILMINGTON TOWN LOT #274	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878749	WILMINGTON TOWN LOT #156	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878746	WILMINGTON TOWN LOT #114	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878745	WILMINGTON TOWN LOT #113	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878736	WILMINGTON TOWN LOT #040	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S103878730	WILMINGTON TOWN LOT #018	BAYVIEW	90744	CPS-SLIC
WILMINGTON	S106387096	ACTA SOUTH - PCH GRADE SEPARATION	PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S106483368	ACTA PARCEL PCH-1542	1828, 1830 PACIFIC COAST	90744	CPS-SLIC
WILMINGTON	S105721836	ACTA SOUTH - MAINTENANCE YARD	SOUTHERN PACIFIC	90744	CPS-SLIC

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 29

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 26

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 05/29/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 48

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/31/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 55

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Quarterly

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/28/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 46

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 04/19/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 51

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/01/2018
Date Data Arrived at EDR: 05/17/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/07/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/04/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/23/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 107

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/27/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 40

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 04/03/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 39

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA SAN FRANCISCO CO

Cupa facilities

Date of Government Version: 04/20/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 10

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/25/2018
Date Data Arrived at EDR: 06/28/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 39

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: DRYCLEAN SOUTH COAST

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 03/16/2018
Date Data Arrived at EDR: 03/20/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 45

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 08/01/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 48

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 25

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 10/17/2017
Number of Days to Update: 97

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20
Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List
The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing
Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 20
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database
A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 44
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 42
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/10/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 43
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 54
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 06/18/2018
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 34
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region’s active disposal pits are operating without permission.

Date of Government Version: 04/10/2018
Date Data Arrived at EDR: 04/13/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 67
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Quarterly

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

CIWQS: California Integrated Water Quality System
The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 09/05/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)
Other Oil & Gas Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)
Non-Case Information sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data
The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/23/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/25/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/11/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/03/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 27

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 08/02/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 14

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 05/21/2018
Date Data Arrived at EDR: 05/25/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 56

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 04/27/2018
Date Data Arrived at EDR: 05/02/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 44

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/12/2018
Date Data Arrived at EDR: 07/12/2018
Date Made Active in Reports: 08/20/2018
Number of Days to Update: 39

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 08/30/2018
Number of Days to Update: 44

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/11/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 40

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 43

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 05/02/2018
Date Data Arrived at EDR: 05/07/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 28
Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 08/08/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/22/2018
Number of Days to Update: 13
Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 08/06/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 30
Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206
Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 59
Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/16/2018
Date Data Arrived at EDR: 07/18/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 37

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/18/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 05/01/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 13

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 04/01/2018
Date Data Arrived at EDR: 04/17/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 63

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/05/2018
Date Made Active in Reports: 01/18/2018
Number of Days to Update: 13

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/31/2018
Number of Days to Update: 68

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/30/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 28

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/30/2018
Date Data Arrived at EDR: 06/01/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 42

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 05/22/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/30/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/02/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 41

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/31/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 34

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018
Date Data Arrived at EDR: 08/08/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 33

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 63

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/05/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 43

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018
Date Data Arrived at EDR: 07/25/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 42

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 42

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 04/05/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 05/04/2018
Number of Days to Update: 24

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 41

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/03/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/24/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/06/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 41

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 06/07/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/10/2018
Number of Days to Update: 28

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/20/2018
Date Data Arrived at EDR: 08/21/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 52

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 08/13/2018
Number of Days to Update: 59

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/17/2018
Date Data Arrived at EDR: 08/22/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 16

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/16/2018
Date Data Arrived at EDR: 05/22/2018
Date Made Active in Reports: 07/19/2018
Number of Days to Update: 58

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/18/2018
Number of Days to Update: 40

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/12/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 30

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 06/19/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/17/2018
Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/03/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 45

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 08/14/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 06/04/2018
Date Data Arrived at EDR: 06/08/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 33

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/17/2018
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 08/02/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 36

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/17/2018
Date Data Arrived at EDR: 07/24/2018
Date Made Active in Reports: 09/07/2018
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/22/2018
Date Made Active in Reports: 04/17/2018
Number of Days to Update: 26

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 11/19/2018
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 41

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 07/02/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 08/24/2018
Number of Days to Update: 29

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 04/26/2018
Date Data Arrived at EDR: 06/13/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 28

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/13/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/20/2018
Date Data Arrived at EDR: 07/03/2018
Date Made Active in Reports: 07/12/2018
Number of Days to Update: 9

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 05/10/2018
Date Data Arrived at EDR: 05/15/2018
Date Made Active in Reports: 06/15/2018
Number of Days to Update: 31

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/10/2018
Date Data Arrived at EDR: 08/10/2018
Date Made Active in Reports: 09/10/2018
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/13/2018
Date Made Active in Reports: 08/01/2018
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/12/2018
Next Scheduled EDR Contact: 10/29/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/06/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX D: QUALIFICATIONS

PARTNER

PARTNER

Emilie Moore
Environmental Professional

Education

B.A., Environmental Studies, Concentration in Sustainability, Energy and Society
University of Southern California, departmental honors, USC S.U.R.F. research fund recipient

Highlights

10 years in the environmental industry including environmental law and due diligence
4 years of experience performing CEQA/NEPA research and legal assistance
8 years of experience performing and reviewing due diligence assessments including Phase I and Phase II Environmental Site Assessments, Transaction Screen Assessments, NEPA Assessments, and Environmental Desktop Reports
6 years of specific experience with Freddie Mac and Fannie Mae as well as US Department of Housing and Urban Development (HUD) and US Small Business Association (SBA) assessments
AHERA-Certified Asbestos Building Inspector #ABII0601160006N11623

Experience Summary

Ms. Moore currently holds the role of Environmental Professional and her responsibilities include thorough site assessment inspections and technical report writing and reviewing in line with the American Society of Testing and Materials (ASTM) standard and US Environmental Protection Agency's All Appropriate Inquiry (AAI) as well as customized client formats. In addition, Ms. Moore performs limited asbestos surveys, lead-based paint surveys, radon testing, and lead in water testing as required per scope of work.

Ms. Moore has worked on dozens of large scope projects including gas stations, dry cleaners, manufacturing sites, upscale residential developments, high-rise hotels, retail shopping centers, machine shops, auto repair facilities, cell phone data towers and associated land, recycling facilities, oil drilling sites, multi-use commercial/residential buildings, and original construction buildings throughout the Western United States.

Additional field experience for Ms. Moore includes ground and well water testing for lead, volatile organic compounds of concern, pH, alkalinity, total suspended solids, chlorides, and conductivity, extensive soil sampling, characterization, and testing as related to contamination and remediation near Southern California Superfund sites, experience drafting corrective action plans for these sites when contamination is found, and Environmental Impact Report (EIR) production and associated revisions

Ms. Moore works closely with state and local regulatory agencies to obtain environmentally significant documents regarding tank removal and subsurface investigations performed onsite. Ms. Moore has worked for the federal government, private investors, as well as large financial institutions including, but not limited to, Bank of America, Citibank, N.A., KeyBank, N.A., JPMorgan Chase Bank, BBVA Compass Bank, East West Bank, US Bank, Union Bank, Comerica Bank, HUD, 1st Enterprise Bank, Morgan Stanley, Bank of the West, California Republic Bank, CDC Small Business Finance, and Wells Fargo. Ms. Moore is also certified to author and review reports for government enterprises such as Freddie Mac, Fannie Mae, and the SBA.

Project Experience

Ms. Moore has eight years of experience performing and reviewing due diligence assessments for a variety of property types, as detailed above. Project highlights include:

Gas Stations, Los Angeles, California. Ms. Moore performed a series of multiple Phase I Environmental Assessments as part of a larger portfolio concerning name-brand gasoline stations throughout the Greater Los Angeles area. Potentially leaking underground storage tanks were identified at two of these four locations necessitating subsequent soil and groundwater assessments.

Dairy Farm/Agricultural Land, Ontario, California. Ms. Moore performed a Phase I Environmental Assessment on a complex plot of land featuring active dairy and farming operations.

Multi-Use, Santa Monica, California. Ms. Moore performed a Phase I Environmental Assessment on five acres of formerly industrial land which was used commercially, but was being sold for future high-density residential development.

Golf Courses, Nipomo and Huntington Beach, California. Ms. Moore performed Phase I Environmental Assessments on formerly industrial/landfill land which had been redeveloped as golf courses.

Recycling Center/Waste Disposal Site, North Los Angeles, California. Ms. Moore performed a Phase I Environmental Assessment on a former landfill which had been redeveloped as a recycling facility.

Hotels, Beverly Hills, California and Aspen, Colorado. Ms. Moore performed Phase I Environmental Assessments for two well-known, five-star, full service hotels with over 1,000 combined guest rooms, on-site dry cleaning, and previous on-site gas station operations.

Oil-Drilling/Active Oil Wells, Lost Hills, California. Ms. Moore performed a Phase I Environmental Assessment for a 60-acre parcel of land featuring active oil drilling operations and drilling equipment storage.

Private Jet Airports/Fixed Base Operations (FBOs), Santa Maria and Long Beach, California. Ms. Moore performed Phase I Environmental Assessments for two full-service FBOs with on-site jet fueling, storage, and maintenance. Both locations required subsequent soil and groundwater assessments.

New Construction Multi-Family Apartment Complex, Denver, Colorado. Ms. Moore performed a Phase I Environmental Assessment for a ground-up newly built multi-family apartment complex constructed at the site of a former prolific rubber factory with significant soil contamination and associated vapor concerns.

Publications

Moore, Emilie N., Last Child in the Reef, Scientific American online journal, 2011. Discussion of the impacts and benefits of outdoor/environmental immersion as related to children.

Contact

emoore@partneresi.com

PARTNER

Debbie Stott, P.G.
Nevada CEM - Technical Director

Education
BA Geology, The Ohio State University

Registrations
California Professional Geologist No. 6221
Nevada Certified Environmental Manager No. 2359

Training
OSHA, Hazardous Waste Operator (HAZWOPER) 40 hour Certification
AHERA Certified Asbestos Inspector
Certified Project Manager

Highlights
Over 28 years of experience in the environmental service industry with a focus on due diligence assessments
Knowledgeable with ASTM, EPA's All Appropriate Inquiry (AAI), and customized client formats.
100+ Phase I Environmental Site Assessments

Experience Summary
As Technical Director for due diligence services as part of the Investment Advisory Group, Ms. Stott focuses on report quality, client service, and sharing her years of expertise with staff and clients.

Ms. Stott has performed hundreds of Phase I Environmental Site Assessments, Third Party Reviews, Due Diligence Audits, Record Search and Risk Assessments, Phase II and III Subsurface Investigations, Underground storage tank investigations, Remedial Investigations, Radon Studies, Mold Assessments, Methane Surveys, Indoor Air Quality Assessments, and Lead-in-water sampling and analysis.

Clients have varied and have included: individual investors, City of Los Angeles Agencies, Los Angeles County, City of Anaheim, institutional investors, private and institutional equity companies, insurance companies, attorneys, brokers, developers, and multiple lenders.

Project Experience
Ms. Stott has conducted, managed and directed thousands of ESAs throughout her career and has been Senior Project Manager for hundreds of site investigations, characterization studies and remediation projects throughout California and the US. The following select projects summarize her experience and due diligence background:

Transaction Due Diligence
Project Manager, Western US and Southern California, LBA Realty - For over 17 years performed due diligence services related to real estate transfers as well as asset refinances for LBA Realty. The relationship requires close coordination and communication with property managers and representatives to provide a smooth process with client and lenders. Services have also included review of third party reports, asbestos surveys, subsurface investigations, and development of soil management plans. Many projects involved multiple locations in several states thus requiring coordination with other offices and client contacts.

Environmental Lead, West Coast, Barings, LLC (Barings) - Ms. Stott assists with management and review of environmental due diligence and environmental actions associated with acquisitions, property development, joint venture developments, property divestments and finance group loan transactions. Environmental due diligence includes Phase I ESAs, Phase II ESAs, indoor air quality assessments, mold assessment and mitigation planning, providing third party review, asbestos investigations, asbestos abatement, operation and maintenance plan development, remedial action development and implementation, regulatory correspondence and permitting.

Phase I ESAs – multiple clients throughout US - Ms. Stott manages and oversees preparation of Phase I Environmental Site Assessments for several confidential clients. All are completed to ASTM guidelines with various special criteria specific to each client.

Subsurface Investigations/Vapor Intrusion

Project Manager, Whittier, CA, Confidential Client - Conducted several investigations to evaluate the potential for vapor intrusion associated with contaminated groundwater into client buildings. At one location a horizontal well system was installed to passively vent vapors. Site investigations involved the installation of multiple, multi-depth vapor probes through the property to map the plume and to assist in decision making for potential further investigation. Data collected from both soil vapor and indoor air monitoring was subjected to risk assessment in order to determine if indoor air quality had been negatively impacted and engineering controls needed to protect workers. Client was able to purchase and redevelop portions of the desired parcels for use as parking.

Project Manager and Environmental Lead, Berkeley, CA, LBA Realty - Evaluation of potential risks associated with the presence of trichloroethylene (TCE) and breakdown products cis 1,2- dichloroethene (cis 1,2-DCE) and vinyl chloride (VC), and methyl tert butyl ether (MTBE) in groundwater and ambient air at an existing building in Berkeley, CA. Worked with outside counsel to evaluate, summarize, and present the risks and potential risks of continued investment in the property. Remedial systems were installed under DTSC oversight, risk assessment performed and the building remodeled and reused for office space.

Municipal/State Contracts

Project Manager, ESAs for City of Anaheim widening of Lincoln Avenue - As a subcontractor to the geotechnical consultant, Partner provided Environmental Site Assessments for multiple properties along the project alignment. The parcel uses ranged from car wash, to older office and motel properties, automotive repair, banks, public school, and a church. Partner finished the multi-site project on time and within budget.

Contact

Dstott@partneresi.com

Attachment H-2

Soil Management Plan

PARTNER

SOIL MANAGEMENT PLAN

1268 Pacific Coast Highway
Los Angeles, California 90710

June 15, 2022
Partner Project Number: 18-226425

Prepared for:

Red Oak Investments
4199 Campus Drive, Suite 200
Irvine, California 92612



Engineers who understand your business

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) was retained by Red Oak Investments to prepare the following Soil Management Plan (SMP) for the property located at 1268 Pacific Coast Highway, Los Angeles, Los Angeles County, California. The SMP is being prepared in accordance with standard industry practice and applicable regulations.

1.1 Purpose

The purpose of the SMP is to outline protocol for ensuring the proper handling and/or disposal of impacted soil and/or subsurface features of concern that may be encountered during site redevelopment activities. The SMP was prepared to minimize potential exposure to impacted soil by construction, facility, and maintenance personnel; tenants; contractors and vendors; and the general public. This SMP only applies to the soil and/or subsurface features that may be encountered at the subject property.

1.1 Limitations

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.2 User Reliance

Partner was engaged by Red Oak Investments (the Addressee), or their authorized representative, to perform this management plan. The engagement agreement specifically states the scope and purpose of the investigation, as well as the contractual obligations and limitations of both parties. This report and the information therein, are for the exclusive use of the Addressee. This report has no other purpose and may not be relied upon, or used, by any other person or entity without the written consent of Partner. Third parties that obtain this report, or the information therein, shall have no rights of recourse or recovery against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, the Addressee and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such use. Unauthorized use of this report shall constitute acceptance of, and commitment to, these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted Partner's standard Terms and Conditions, a copy of which can be found at http://www.partneresi.com/terms-and-conditions.php.

2.0 SITE BACKGROUND

2.1 Site Description

The subject property is currently occupied by a parking lot for commercial use. On-site operations consist of vehicle parking and storage, and storage trailer parking

The immediately surrounding properties consist of Pacific Coast Highway followed by Pep Boys and Del Taco to the north; 259th Street (a cul-de-sac) followed by apartment buildings to the south; A-1 Auto Smog and a Kaiser Permanente parking lot to the east; and a mobile home park to the west.

2.2 Site History

Partner completed a *Phase I Environmental Site Assessment Report* (Phase I) for the subject property, dated January 29, 2019 on behalf of Red Oak.

According to available historical sources, the subject property was formerly undeveloped as early as 1896; developed with a railroad track bisecting the center of the parcel between 1923 and *circa* 1972 and developed for the current parking lot use *circa* 1983.

Subsequent to the Phase I, Partner completed a *Phase II Subsurface Investigation Report* (Phase II), dated January 25, 2019, prepared on behalf of Red Oak. Partner conducted the Phase II at the subject property to evaluate the potential impact of total petroleum hydrocarbons – carbon chain (TPH-cc), polyaromatic hydrocarbons (PAHs), organochlorine pesticides (OCPs) lead, and arsenic to soil as a consequence of a release or releases from the potential on-site railroad line. The scope of the Phase II included four soil borings. Twelve soil samples were analyzed for TPH-cc, PAHs, OCPs, arsenic, and lead.

Subsurface lithology encountered in the upper 10 feet bgs consisted of sandy silt and silty sand. Groundwater was not encountered during this investigation.

None of the analyzed soil samples contained TPH-cc, PAHs, OCPs, or lead above applicable screening levels.

Arsenic was detected in three of the analyzed soil samples (B1-1.5, B2-1.5, and B3-1.5) at concentrations exceeding residential and commercial/industrial screening levels and exceeding typical background concentrations.

The detected concentrations of arsenic on-site can be managed through use of this SMP. No other contaminants of concern were detected above laboratory RLs and applicable screening levels. The arsenic impacts appear to be vertically limited to a depth of less than two feet bgs. Arsenic was not detected above screening criteria in the deeper samples. Arsenic was less than 0.5 mg/kg in those samples. Notification to regulatory agencies is not required. Remedial action is not required by regulatory agencies. Partner recommends soil management in accordance with grading plans, codes, and regulations during future redevelopment activities.

3.0 GEOLOGY AND HYDROGEOLOGY

Groundwater was not encountered during the investigation and was not a part of the scope of work. According to the State Water Resources Control Board (SWRCB) Geotracker website, a nearby Leaking Underground Storage Tank (LUST) site is located at 1268 Pacific Coast Highway in the city of Los Angeles, which is approximately 550 feet to the northeast of the subject property and is overseen by the Los Angeles Regional Water Quality Control Board (LARWQCB) as Case Number 907100116A. The site maintains four groundwater monitoring wells in the area. The most recent monitoring data available on the GeoTracker Website was for May 9, 2011, with depth to groundwater at approximately 67 feet below ground surface (bgs) with a direction of flow to the southeast.

4.0 CHEMICALS OF CONCERN

Based on the known on-site impacts, soil chemicals of concern (COCs) at the subject property include Arsenic. Each of the detected concentrations of arsenic (3 of 12 samples) exceeded the Department of Toxic Substances Control (DTSC) residential and commercial/industrial soil regional screening levels (RSLs) of 0.11 milligrams per kilogram (mg/kg) and 0.36 mg/kg, respectively. Arsenic was detected above the laboratory reporting limits (RLs) in three samples collected from approximately 1.5 feet bgs at concentrations ranging from 12.5 mg/kg to 53.3 mg/kg. It should be noted that the residential and commercial/industrial RSLs are well below typical background concentrations; however, the three detections of arsenic also exceeded background arsenic concentrations for typical California soils of 12 mg/kg as based on the Kearney Foundation of Soil Science March 1996 Background Concentrations of Trace and Major Elements in California Soils Report.

5.0 SOIL MANAGEMENT

This section outlines the protocols for identifying, handling, and/or disposing of COC-impacted soil that may be encountered during ground cover demolition, subject property grading, and/or other earthmoving activities that may be performed on the subject property. Partner understands that the Client intends to redevelop the subject property for multi-family use and that when complete, residents will not have contact with soil and that soil export is not anticipated.

5.1 Applicability

The SMP applies to ground cover removal and/or demolition and/or soil-disturbing activities associated with the subject property redevelopment, including excavation, grading, trenching, utility installation, and/or other activities that could potentially generate COC-impacted soil. Field personnel directly involved with earthmoving activities should be familiar with the contents of the SMP.

5.2 Duration

Implementation of the SMP is intended to coincide with the start of ground cover removal and/or demolition and subject property grading activities and shall remain in effect for the duration of the subject property redevelopment involving soil-disturbing activities.

5.3 Key Roles and Responsibilities

The following is a list of key roles involved with the SMP and the respective general responsibilities:

The following is a list of key roles involved with the SMP and the respective general responsibilities:

- Client (Red Oak)– Responsible for selecting and engaging the main contractor(s) and environmental consultants(s) involved with the subject property redevelopment and/or implementation of the SMP;
- General Contractor (GC) – Responsible for overseeing the subject property grading/redevelopment/construction activities, managing the associated subcontractors (including the dewatering subcontractor, if necessary), and the initial soil screening (refer to Section 5.9 for additional details); and,
- Environmental Consultant (EC) – Responsible for implementing the SMP if necessary.

5.4 Work Area Control

Control of the work area (e.g., perimeter fencing) will be the responsibility of the GC. In general, the work area should be secured as to limit access only to the personnel qualified and authorized to be on-site.

5.5 Health and Safety

GC will prepare a separate site-specific health and safety plan (HASP) that will be implemented in conjunction with the SMP when handling soil with suspected or confirmed COC impacts. At a minimum, the HASP will identify the potential hazards of concern and establish guidelines and/or procedures for controlling/minimizing exposures to potential hazards, including the appropriate level(s) of personal protective equipment (PPE). The GC will be responsible for health and safety concerns associated with the excavation (e.g., excavation stability, stockpile placement, heavy equipment operation, etc.).

5.6 Permitting

If permits are required for specific tasks (e.g. stockpiling, disposal, on site re-use), the GC will facilitate permits in accordance with applicable State and/or Federal regulations.

5.7 Pre-Construction Meeting

Prior to grading/redevelopment/construction activities, representatives of the Client, the GC, and EC should meet to review and discuss the contents of the SMP, roles and responsibilities, and the grading/redevelopment schedule.

5.8 Undocumented Subsurface Features

The GC should cordon off and halt construction activities in the immediate area(s) of undocumented subsurface features of potential environmental concern (e.g., USTs, clarifiers, buried drums, residual impacted soil) if encountered during the course of ground cover removal and/or demolition, subject property grading, and/or other earthmoving activities. The GC must promptly notify the Client and EC. The following general approach will be applied by the EC to address such subsurface features:

1) Notify the relevant regulatory oversight agency or agencies involved with the subsurface feature decommissioning / residual impacted soil and file the necessary permit(s), when applicable;
2) Decontamination and decommission the subsurface feature(s) via removal (if practical) in accordance with generally accepted industry practices and the requirements of the filed permit(s) (where applicable);
3) Collect and analyze soil samples to evaluate potential chemical impacts to the subsurface due to a historical release or releases from subsurface feature(s), and assess the lateral and vertical extent of residual impacted soil; and
4) Document the decommissioning activities and soil handling / removal activities and findings in a summary report.

EC will provide specific protocols to address encountered subsurface features on a case-by-case basis based on the subject property conditions and the nature of the subsurface features.

5.9 General Decision Process for Handling Disturbed Soil

Evaluating whether excavated soil is suitable for reuse on the subject property and selecting which off-site facility or facilities are suitable for receiving exported soil will be based on up to three criteria: (1) field observations (e.g., evidence of staining, odor); (2) soil monitoring readings with an organic vapor analyzer (OVA); and/or (3) laboratory analysis results, as applicable. Refer to Appendix A for the general decision process for handling disturbed soil. The process steps are discussed in detail in the proceeding Sections.

5.10 Initial Soil Monitoring and Segregation

At this time, handling of VOC-impacted soil is <u>not</u> anticipated during the soil disturbing activities considering the results of the previous subsurface investigation results. Therefore, the primary initial criterion for segregating soil generated during soil-disturbing activities will be the field observations of the GC excavation personnel. Soil devoid of evident impacts (e.g., staining, odor) will be deemed suitable for unrestricted use and may be reused on-site as backfill material or exported off-site. Handling, exporting,

and management of unrestricted soil will defer to the GC. In the event that soil exhibiting discoloration and/or odor is encountered during soil-disturbing activities, it will be segregated in separate stockpiles for GC assessment and off-site disposal in accordance with applicable regulations.

5.11 Handling of VOC-Impacted Soil

Despite the fact that VOC-impacted soil is not anticipated during soil disturbing activities, if such are encountered, then such a contingency during excavation and grading at the subject property will be managed under an Air Quality Management District (AQMD) Rule 1166 Compliance Plan. Refer to Appendix B for the AQMD Compliance Plan.

To monitor for unanticipated VOC-impacted soil, the EC will provide an OVA that has been calibrated by the manufacturer within three months of the date of fieldwork. The OVA will be calibrated prior to the start of fieldwork using hexane calibration gas (or the OVA readings will be correlated and expressed as hexane using equivalency factors provided by the manufacturer if a calibration gas other than hexane is used). During the course of the project, the GC will perform periodic soil screening and will notify the EC in the event that suspect VOC-impacted soils are encountered during general grading activities. Moreover, the EC will be present on-site for soil-disturbing activities in the immediate area(s) identified as possible VOC-impacted soil. Disturbed soil will be monitored with the OVA at a minimum frequency of one reading for every two cubic yards of soil excavated, not to exceed 15 minutes between readings. Readings will be collected no later than three minutes after excavation and at a distance of no more than three inches between the OVA intake and the soil surface.

If possible, VOC-impacted soils are encountered based on the OVA monitoring results, excavated soil will be segregated into soil registering OVA readings less than 1,000 parts per million (ppm) and soil registering OVA readings equal to or greater than 1,000 ppm. Refer to Sections 5.12.1 and 5.12.2 for stockpile management protocol for the two respective categories of soil.

5.12 Soil Stockpile Management

Each category of VOC-impacted soil and non-VOC-impacted soil must be segregated and stored separately. Stockpile management procedures for the three categories are discussed in the following Sections.

5.12.1 VOC-Impacted Soil (<1,000 ppm)

Potential VOC-impacted soil registering OVA readings less than 1,000 ppm can be immediately loaded onto trucks and transported to an AQMD-approved off-site treatment/disposal facility (refer to Section 5.15.1 for details regarding disposal of VOC-impacted soil) or can be temporarily stockpiled on-site prior to exporting.

Each individual stockpile must not contain more than 400 cubic yards of soil. With the exception of the stockpile work face (i.e. portion of the stockpile where excavated soil is added), stockpiles must be placed on and covered while on-site with 6-millimeter polyethylene sheeting so that no portion of the VOC-impacted soil is exposed to the atmosphere. The polyethylene sheeting seams must overlap a minimum of 24 inches and be secured with duct tape. The stockpile work face(s) should be similarly covered/secured during periods of inactivity longer than one hour and stockpiles, including the work face(s), must be completely covered and securely anchored at the end of each workday.

Once covered and secured, the stockpiles should remain undisturbed and should not be reshaped or relocated as much as feasible until the soil is exported from the subject property. The soil must be transported to an AQMD-approved off-site treatment/disposal facility within 30 calendar days of excavation.

5.12.2 VOC-Impacted Soil (≥1,000 ppm)

VOC-impacted soil registering OVA readings equal to or greater than 1,000 ppm cannot be stockpiled on-site. If encountered, the AQMD must be notified within one hour of detection; the work area must be immediately sprayed with water; and the VOC-impacted soil must be directly loaded onto trucks, sprayed with additional water, covered, and transported to an AQMD-approved off-site treatment/disposal facility (refer to Section 5.15.1 for details regarding disposal of VOC-impacted soil). If VOC-impacted soil registering OVA readings equal to or greater than 1,000 ppm is encountered, but trucks for immediate exporting are not available, soil disturbance in the immediate area must cease and may only resume once the excavation can proceed with direct loading of soil onto trucks.

5.12.3 Non-VOC-Impacted Soil

In general, the management of non-VOC-impacted soil (e.g., stockpile sizes, cover requirements) will defer to the GC. However, management of non-VOC-impacted soil that is visually or olfactory impacted (e.g. staining or odors), should be handled by stockpiling on polyethylene sheeting, covered, and sampled in accordance with the procedures detailed in Section 5.15 for off-site disposal or may be loaded directly into trucks for disposal.

5.13 Vapor Suppression and Dust Control

To suppress vapor emissions during soil disturbances of potential VOC-impacted soil, excavations should be kept moist by periodically spraying the work area with water. In addition, exposed soil surfaces of stockpiles of potential VOC-impacted soil should be kept moist with water.

Dust control during the subject property redevelopment will defer to the protocol established by the GC.

5.14 Surface Water Protection

Responsibility for surface water protection (e.g., prevention of sediment runoff into storm drains) and implementation of best management practices (BMPs) in accordance with applicable regulations

5.15 Soil Stockpile Sampling

Stockpiled soil classified as VOC-impacted through OVA screening or visually or olfactory impacted (staining, odors) that is designated for off-site disposal must be characterized through the collection and analysis of samples to evaluate whether the material meets the acceptance requirements of the receiving facility or facilities. A set of laboratory analysis data for waste profiling must be generated for each exported soil designation category (excluding unrestricted soil).

5.15.1 Sampling Frequency

For exported soil, the sampling frequency will default to the sampling frequency specified by each selected receiving facility to meet the respective acceptance requirements. For visually- or olfactory-impacted soil

and for exported soil for which the receiving facility has not specified a sampling frequency, the sampling frequency will default to the procedures set forth in the most recently promulgated edition of the United States Environmental Protection Agency (EPA) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (EPA SW-846). In general, EPA SW-846 provides a method for assessing the mean concentration of a given chemical within a soil mass and the number of samples necessary to calculate this mean to within an acceptable confidence level.

The following sampling schedule may be used to estimate the minimum number of samples necessary to meet the statistical requirements set forth in EPA SW-846:

- Stockpiles less than 500 cubic yards: One sample for every 25 cubic yards;
- Stockpiles from 500 to 1,000 cubic yards: Twenty samples plus one sample for every 100 cubic yards in excess of the initial 500 cubic yards;
- Stockpiles from 1,000 to 10,000 cubic yards: Twenty-five samples plus one sample for every 500 cubic yards in excess of the initial 1,000 cubic yards; and
- Stockpiles greater than 10,000 cubic yards: Forty-three samples plus one sample for every 5,000 cubic yards in excess of the initial 10,000 cubic yards.

Note that the above schedule is only a guide and that more or less samples than specified may be required to meet the statistical requirements set forth in EPA SW-846. In addition, it is not necessary to consider each individual stockpile separately. Soils in separate stockpiles that are expected to exhibit similar conditions of COC impacts can be considered part of the same soil mass for the purposes of EPA SW-846 sampling.

5.15.2 Sampling Protocol

The method for selecting the soil stockpile sample locations (e.g., simple random sampling, systematic random sampling) will be based on the professional judgment of the EC and/or field-screening results.

In general, discrete soil samples should be analyzed. However, composite sampling may be acceptable depending on the receiving facility requirements, the professional judgment of the EC, and/or the target analytes. Compositing should be performed by the laboratory and no more than four discrete samples should comprise a composite sample. Composite samples should not be analyzed for target analytes that are volatile or semi-volatile.

Samples should be collected in pre-cleaned, analysis-appropriate containers; preserved (e.g., sodium bisulfate, ice) as required for the specified analysis method; labeled with unique sample identifications; and transported to the laboratory under proper chain-of-custody protocol.

Sampling equipment should be decontaminated between sampling points to reduce the potential for cross-contamination.

5.15.3 Laboratory Analyses

The laboratory analysis suite for soil that will be exported will default to the laboratory analysis suite specified by each selected receiving facility to meet the respective acceptance requirements. However, at a minimum, samples should be analyzed for TPH, VOCs, lead and arsenic (as appropriate).

The laboratory or laboratories conducting the sample analyses should be state-certified and run surrogate samples and method blanks as part of the Quality Assurance/Quality Control (QA/QC) program. Analyses should be performed within the accepted method hold times.

5.16 Exporting Soil Off-Site

Three exported soil designation categories are anticipated: VOC-impacted, unrestricted, non-hazardous, and hazardous. Procedures for exporting each soil designation category are discussed in the following sections.

5.16.1 Exporting of VOC-Impacted Soil

Excavated soil classified as VOC-impacted through OVA monitoring that has been further sampled and determined to be not permitted to be reused on the subject property as backfill must be exported off-site. Soil classified as VOC-impacted should be profiled based on the laboratory analysis results and transported under waste manifest documentation to an AQMD-approved facility or facilities permitted to receive the waste for treatment and/or disposal. The EC will be responsible for selecting the appropriate receiving facility for VOC-impacted soil. Note that although the soil will be designated as VOC-impacted, the soil is anticipated to be classified as non-hazardous [as opposed to Resource Conservation & Recovery Act (RCRA) or non-RCRA hazardous] for waste disposal purposes given the historical usage of the subject property and the results of the previous subsurface investigation.

5.16.2 Exporting of Unrestricted Soil

The GC will be responsible for selecting and complying with the requirements of the facility or facilities that will receive the exported unrestricted soil. Note that other factors beyond the scope of the SMP (e.g., soil parameters such as pH) may affect whether a receiving facility is able to accept the unrestricted soil.

5.16.3 Exporting of Non-Hazardous Soil

Exported soil will be classified as non-hazardous if soil monitoring results designate the soil as non-VOC-impacted, but the soil exhibits an odor and/or discoloration and/or laboratory analysis results indicate the presence of target analytes above the soil screening criteria or arsenic above background levels (i.e., not meeting the acceptance requirements of the unrestricted soil receiving facility).

Soil classified as non-hazardous should be profiled based on the laboratory analysis results and transported under proper bill of lading or waste manifest documentation to an appropriate off-site facility that is permitted to receive the waste for treatment and/or disposal (typically a soil recycler and/or landfill). The EC or the EC in conjunction with the GC will be responsible for selecting the appropriate receiving facility for non-hazardous soil.

5.16.4 Soil Classified as Hazardous Waste

Given the findings of the previous subsurface investigations, the generation of soil classified as RCRA or non-RCRA hazardous (i.e., meeting Federal or State hazardous waste criteria, respectively) is not anticipated during soil disturbance/grading/redevelopment/construction activities. However, if identified through the laboratory analysis results, soil classified as RCRA or non-RCRA hazardous should be profiled based on the laboratory analysis results and transported under waste manifest documentation to an off-site facility permitted to receive the waste for treatment and/or disposal (typically a landfill or incinerator). Hazardous

waste must be transported by a hauler licensed to transport hazardous waste. The EC will be responsible for selecting the appropriate receiving facility for RCRA and/or non-RCRA hazardous soil.

6.0 SUMMARY AND CONCLUSIONS

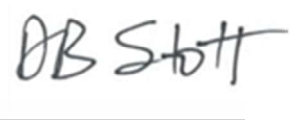
As needed, the EC will prepare a summary report for submittal to the Client. At a minimum, the report will include a summary of field activities, laboratory analysis reports, and off-site disposal documentation (if soil was exported, excluding unrestricted soil). The Consultant will also be responsible for complying with regulatory agency reporting requirements if VOC-impacted soil was encountered.

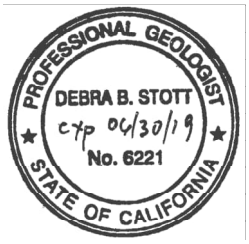
7.0 SIGNATURES OF PARTICIPATING PROFESSIONAL

Thank you for the opportunity to be of service. If you have questions regarding this SMP, please contact Debbie Stott at 310-803-4413.

Sincerely,

Debbie Stott, P.G.
Principal





Samantha Fujita, P.G.
Technical Director – Subsurface Investigation





PARTNER

FIGURES

PARTNER

PARTNER

PARTNER

Attachment I

Noise Technical Memorandum

DUDEK
225 SOUTH LAKE AVENUE
SUITE M210
PASADENA, CALIFORNIA 91101
T 626.204.9800

MEMORANDUM

To:	Alex Wong, Red Oak Investments
From:	Michael Greene and Dana Lodico, PE, INCE Bd. Cert., Noise Specialists, Dudek
Subject:	Noise Technical Memorandum for the 1280 Pacific Coast Highway Mixed-Use Development Project
Date:	May 24, 2024, Updated December 9, 2024
Attachments:	A, Field Noise Data Sheets B, Construction Noise Modeling Input and Output C, Traffic Noise Calculations

1 Introduction

The purpose of this noise technical memorandum is to evaluate the potential noise impacts of the proposed 1280 Pacific Coast Highway Mixed-Use Development Project (the Project), located on a 3.7-acre site located at 1268, 1270 & 1290 Pacific Coast Highway & 25900 South Frampton Avenue (the Project Site) within the Wilmington – Harbor City Community Plan (Community Plan) Area in the City of Los Angeles (City). The Project would replace an existing mobile home and a surface parking lot with a mixed-use building consisting of 354 multi-family residential units; 1,500 square feet of commercial space; and a 575-space parking structure. The mixed-use building would occupy a majority of the Project site and would be approximately 406,855 square feet in size and 5 stories in height (80 feet in height, as measured to the lowest grade). The Project would not include any subterranean levels.

On November 24, 2021, the City Council certified the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (EIR), SCH No. 2021010130, EIR No. ENV-2020-6762-EIR, to adopt the 2021-2029 Citywide Housing Element and the Updates to the Safety Element and the Plan for a Healthy LA (Health Element), hereafter referred to as the "Housing Element Program EIR." Pursuant to CEQA Guidelines Section 15168(c)(4), the following noise analysis is provided in support of the Project's determination of consistency with the scope of the program analyzed in the Housing Element Program EIR and its environmental impacts. The following Housing Element Program EIR mitigation measures (MMs) are addressed herein:

- **Housing Element MM 4.10-1(a):** Noise Shielding and Silencing
- **Housing Element MM 4.10-1(b):** Use of Driven Pile Systems
- **Housing Element MM 4.10-1(c):** Enclosures and Screening
- **Housing Element MM 4.10-1(d):** Construction Staging Areas
- **Housing Element MM 4.10-1(e):** Temporary Sound Barriers
- **Housing Element MM 4.10-1(f):** Project-Specific Construction Noise Study

- **Housing Element MM 4.10-2:** Project-Specific Operational Noise Study
- **Housing Element MM 4.10-3(b):** Vibration Mitigation

2 Environmental Setting

Due to the technical nature of noise and vibration impacts, a brief overview of basic noise principles and descriptors is provided below.

2.1 Noise and Vibration Basics

Noise Principles and Descriptors

Sound can be described as the mechanical energy of a vibrating object transmitted by pressure waves through a liquid or gaseous medium (e.g., air). Noise is generally defined as undesirable (i.e., loud, unexpected, or annoying) sound. Acoustics is defined as the physics of sound and addresses its propagation and control.[1] In acoustics, the fundamental scientific model consists of a sound (or noise) source, a receiver, and the propagation path between the two. The loudness of the noise source and obstructions or atmospheric factors affecting the propagation path to the receiver determine the sound level and characteristics of the noise perceived by the receiver.

Sound, traveling in the form of waves from a source, exerts a sound pressure level (referred to as sound level) that is measured in decibels (dB), which is the standard unit of sound amplitude measurement and reflects the way people perceive changes in sound amplitude[2]. The dB scale is a logarithmic scale that describes the physical intensity of the pressure vibrations that make up any sound, with 0 dB corresponding roughly to the threshold of human hearing and 120 and 140 dB corresponding to the thresholds of feeling and pain, respectively. Pressure waves traveling through air exert a force registered by the human ear as sound.[3]

Sound pressure fluctuations can be measured in units of hertz (Hz), which correspond to the frequency of a particular sound. Typically, sound does not consist of a single frequency, but rather a broad band of frequencies varying in levels of magnitude. When all of the audible frequencies of a sound are measured, a sound spectrum is plotted consisting of a range of frequencies spanning 20 to 20,000 Hz. The sound pressure level, therefore, constitutes the additive force exerted by a sound corresponding to the sound frequency/sound power level spectrum.[4]

The typical human ear is not equally sensitive to the frequency range from 20 to 20,000 Hz. As a consequence, when assessing potential noise impacts, sound is measured using an electronic filter that deemphasizes the frequencies below 1,000 Hz and above 5,000 Hz in a manner corresponding to the human ear's decreased sensitivity to these extremely low and extremely high frequencies. This method of frequency filtering or weighting is referred to as A-weighting, expressed in units of A-weighted decibels (dBA), which is typically applied to community

1 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.2.1, September 2013. Accessed November 1, 2021.
2 All sound levels expressed in decibels (dBs) are relative to $2x10^{-5}$ N/m^2.
3 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.3, September 2013. Accessed November 1,2021.
4 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.3, September 2013. Accessed November 1,2021.

noise measurements.[5] Some representative common outdoor and indoor noise sources and their corresponding A-weighted noise levels are shown in Figure 1, *Decibel Scale and Common Noise Sources*.

Noise Exposure and Community Noise

Community noise exposure is typically measured over a period of time; a noise level is a measure of noise at a given instant in time. Community noise varies continuously over a period of time with respect to the sound sources contributing to the community noise environment. Community noise is primarily the product of many distant noise sources, which constitute a relatively stable background noise exposure, with many unidentifiable individual contributors. Single-event noise sources, such as aircraft flyovers, sirens, etc., may cause sudden changes in background noise level.[6] However, generally, background noise levels change gradually throughout the day, corresponding with the addition and subtraction of distant noise sources, such as changes in traffic volume.

Figure 1. Decibel Scale and Common Noise Sources

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
	110	Rock band
Jet flyover at 1,000 feet		
	100	
Gas lawnmower at 3 feet		
	90	
Diesel truck at 50 feet at 50 mph		Food blender at 3 feet
	80	Garbage disposal at 3 feet
Noisy urban area, daytime		
Gas lawnmower, 100 feet	**70**	Vacuum cleaner at 10 feet
Commercial area		Normal speech at 3 feet
Heavy traffic at 300 feet	**60**	
		Large business office
Quiet urban daytime	**50**	Dishwasher in next room
Quiet urban nighttime	**40**	Theater, large conference room (background)
Quiet suburban nighttime		
	30	Library
Quiet rural nighttime		Bedroom at night, concert hall (background)
	20	
		Broadcast/recording studio
	10	
	0	

Source: State of California, Department of Transportation (Caltrans), Technical Noise Supplement, 2009.

[5] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.3, September 2013. Accessed November 1,2021.

[6] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.2.1, September 2013. Accessed November 1,2021.

These successive additions of sound to the community noise environment change the community noise level from moment to moment, requiring the noise exposure to be measured over periods of time to legitimately characterize a community noise environment and evaluate cumulative noise impacts. The following noise descriptors are used to characterize environmental noise levels over time.[7]

L_{eq}: The equivalent sound level over a specified period of time, typically, 1 hour (L_{eq}). The L_{eq} may also be referred to as the energy-average sound level.

L_{max}: The maximum, instantaneous noise level experienced during a given period of time.

L_{min}: The minimum, instantaneous noise level experienced during a given period of time.

L_x: The noise level exceeded a percentage of a specified time period. For instance, L_{50} and L_{90} represent the noise levels that are exceeded 50 percent and 90 percent of the time, respectively.

L_{dn}: The average A-weighted noise level during a 24-hour day, obtained after an addition of 10 dBA to measured noise levels between the hours of 10:00 P.M. and 7:00 A.M. to account for nighttime noise sensitivity. The L_{dn} is also termed the day-night average noise level (DNL).

CNEL: The Community Noise Equivalent Level (CNEL) is the time average A-weighted noise level during a 24-hour day that includes an addition of 5 dBA to measured noise levels between the hours of 7:00 P.M. and 10:00 P.M. and an addition of 10 dBA to noise levels between the hours of 10:00 P.M. and 7:00 A.M. to account for noise sensitivity in the evening and nighttime, respectively.

Effects of Noise on People

Noise is generally loud, unpleasant, unexpected, or undesired sound that is typically associated with human activity that is a nuisance or disruptive. The effects of noise on people can be placed into four general categories:

- Subjective effects (e.g., dissatisfaction, annoyance);
- Interference effects (e.g., communication, sleep, and learning interference);
- Physiological effects (e.g., startle response); and
- Physical effects (e.g., hearing loss).

Although exposure to high noise levels has been demonstrated to cause physical and physiological effects, the principal human responses to typical environmental noise exposure are related to subjective effects and interference with activities. Interference effects interrupt daily activities and include interference with human communication activities, such as normal conversations, watching television, telephone conversations, and interference with sleep.

The World Health Organization's Guidelines for Community Noise details the adverse health effects of high noise levels, which include hearing impairment, speech intelligibility, sleep disturbance, physiological functions (e.g.

[7] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.2.2, September 2013. Accessed November 1, 2021.

hypertension and cardiovascular effects), mental illness, performance of cognitive tasks, social and behavioral effects (e.g. feelings of helplessness, aggressive behavior), and annoyance.[8]

With regard to the subjective effects, an individuals' responses to similar noise events are diverse and influenced by many factors, including the type of noise, the perceived importance of the noise, the appropriateness of the noise to the setting, the duration of the noise, the time of day and the type of activity during which the noise occurs, and individual noise sensitivity. Overall, there is no completely satisfactory way to measure the subjective effects of noise, or the corresponding reactions of annoyance and dissatisfaction on people. A wide variation in individual thresholds of annoyance exists, and different tolerances to noise tend to develop based on an individual's past experiences with noise. Thus, an important way of predicting a human reaction to a new noise environment is the way it compares to the existing environment to which one has adapted (i.e., comparison to the ambient noise environment). In general, the more a new noise level exceeds the previously existing ambient noise level, the less acceptable the new noise level will be judged by those hearing it. With regard to increases in A-weighted noise level, the following relationships generally occur:[9]

- Except in carefully controlled laboratory experiments, a change of 1 dBA in ambient noise levels cannot be perceived.
- Outside of the laboratory, a 3 dBA change in ambient noise levels is considered to be a barely perceivable difference.
- A change in ambient noise levels of 5 dBA is considered to be a readily perceivable difference.
- A change in ambient noise levels of 10 dBA is subjectively heard as doubling of the perceived loudness.

These relationships between change in noise level and human hearing response occur in part because of the logarithmic nature of sound and the dB scale. Because the dBA scale is based on logarithms, two noise sources do not combine in a simple additive fashion, but rather logarithmically. Under the dBA scale, a doubling of sound energy corresponds to a 3 dBA increase. In other words, when two sources are each producing sound of the same loudness, the resulting sound level at a given distance would be approximately 3 dBA higher than one of the sources under the same conditions. For example, if two identical noise sources produce noise levels of 50 dBA, the combined sound level would be 53 dBA, not 100 dBA. Under the dB scale, three sources of equal loudness together produce a sound level of approximately 5 dBA louder than one source, and ten sources of equal loudness together produce a sound level of approximately 10 dBA louder than the single source.[10]

Noise Attenuation

When noise propagates over a distance, the noise level reduces, or attenuates, with distance depending on the type of noise source and the propagation path. Noise from a localized source (i.e., point source) propagates uniformly outward in a spherical pattern, referred to as "spherical spreading." The rate of sound attenuation for a point source, such as a piece of mechanical or electrical equipment (e.g., air conditioner) or idling vehicle (e.g., bulldozer), is 6 dBA per doubling of distance from the noise source to the receptor over acoustically "hard" sites

8 World Health Organization Team, edited by Berglund, Birgitta; Lindvall, Thomas; Schwela, Dietrich H, Guidelines for Community Noise, 1999.

9 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.2.1, September 2013. Accessed November 1, 2021.

10 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.2.1.1, September 2013. Accessed November 1, 2021.

and 7.5 dBA per doubling of distance from the noise source to the receptor over acoustically "soft" sites .[11] Hard sites are those with a reflective surface between the source and the receiver, such as asphalt or concrete surfaces or smooth bodies of water. No excess ground attenuation is assumed for hard sites and the reduction in noise levels with distance (drop-off rate) is simply the geometric spreading of the noise from the source. Soft sites have an absorptive ground surface, such as soft dirt, grass, or scattered bushes and trees, which in addition to geometric spreading, provides an excess ground attenuation value of 1.5 dBA (per doubling distance).[12] For example, an outdoor condenser fan that generates a sound level of 60 dBA at a distance of 50 feet from a point source at an acoustically hard site would attenuate to 54 dBA at a distance of 100 feet from the point source and attenuate to 48 dBA at 200 feet from the point source.

Roadways and highways consist of several localized noise sources on a defined path, and hence are treated as "line" sources, which approximate the effect of several point sources.[13] Noise from a line source propagates over a cylindrical surface, often referred to as "cylindrical spreading."[14] Line sources (e.g., traffic noise from vehicles) attenuate at a rate between 3 dBA for hard sites and 4.5 dBA for soft sites for each doubling of distance from the reference measurement.[15] Therefore, noise due to a line source attenuates less with distance than that of a point source with increased distance.

Structures (e.g., buildings and solid walls) and natural topography (e.g., hills and berms) that obstruct the line-of-sight between a noise source and a receptor further reduce the noise level if the receptor is located within the "shadow" of the obstruction, such as behind a sound wall. This type of sound attenuation is known as "barrier insertion loss." If a receptor is located behind the wall but still has a view of the source (i.e., the line-of-sight is not fully blocked), barrier insertion loss would still occur but to a lesser extent. Additionally, a receptor located on the same side of the wall as a noise source may actually experience an increase in the perceived noise level as the wall can reflect noise back to the receptor, thereby compounding the noise. Noise barriers can provide noise level reductions ranging from approximately 5 dBA (where the barrier just breaks the line-of-sight between the source and receiver) to an upper range of 20 dBA with a larger barrier.[16] Additionally, structures with closed windows can further attenuate exterior noise by a minimum of 20 dBA to 30 dBA.[17]

Receptors located downwind from a noise source can be exposed to increased noise levels relative to calm conditions, whereas locations upwind can have lowered noise levels.[18] Atmospheric temperature inversion (i.e., increasing

[11] Caltrans, TeNS to the Traffic Noise Analysis Protocol, Sections 2.1.4.1 and 2.1.4.2, September 2013.
[12] Caltrans, TeNS to the Traffic Noise Analysis Protocol, Sections 2.1.4.1 and 2.1.4.2, September 2013.
[13] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.4.1, September 2013. Accessed November 1, 2021.
[14] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.4.1, September 2013. Accessed November 1, 2021.
[15] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.4.1, September 2013. Accessed November 1, 2021.
[16] Caltrans, TeNS to the Traffic Noise Analysis Protocol, Sections 2.1.4.24 and 5.1.1, September 2013.
[17] Caltrans, TeNS to the Traffic Noise Analysis Protocol, Section 7.4.2, Table 7-1, September 2013.
[18] California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.4.3, September 2013. Accessed November 1, 2021.

temperature with elevation) can increase sound levels at long distances. Other factors such as air temperature, humidity, and turbulence can, under the right conditions, also have substantial effects on noise levels.[19]

Vibration Fundamentals

Vibration can be interpreted as energy transmitted in waves through the ground or man-made structures, which generally dissipate with distance from the vibration source. Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Since energy is lost during its transfer from one particle to another, vibration becomes less perceptible with increasing distance from the source.

As described in the Federal Transit Administration's (FTA) *Transit Noise and Vibration Impact Assessment Manual*, groundborne vibration can be a serious concern for nearby neighbors of a transit system route or maintenance facility, causing buildings to shake and rumbling sounds to be heard.[20] In contrast to airborne noise, groundborne vibration is not a common environmental problem, as it is unusual for vibration from sources such as rubber-tired buses and trucks to be perceptible, even in locations close to major roads. Some common sources of groundborne vibration are trains, heavy trucks traveling on rough roads, and certain construction activities, such as blasting, pile-driving, and operation of heavy earth-moving equipment.[21] Groundborne vibration generated by man-made activities (e.g., road traffic, construction operations) typically weakens with greater horizontal distance from the source of the vibration.

Several different methods are used to quantify vibration. The peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal in inches per second (in/sec), and is most frequently used to describe vibration impacts to buildings.[22] The root mean square (RMS) amplitude is defined as the average of the squared amplitude of the signal and is most frequently used to describe the effect of vibration on the human body.[23] Decibel notation (VdB) is commonly used to express RMS vibration velocity amplitude. The relationship of PPV to RMS velocity is expressed in terms of the "crest factor," defined as the ratio of the PPV amplitude to the RMS amplitude. PPV is typically a factor of 1.7 to 6 times greater than RMS vibration velocity; FTA uses a crest factor of 4.[24] The decibel notation VdB acts to compress the range of numbers required to describe vibration. Typically, groundborne vibration generated by man-made activities attenuates rapidly with distance from the source of the vibration. Sensitive receptors for vibration include buildings where vibration would interfere with operations within the building or cause damage (especially older masonry structures), locations where people sleep, and locations with vibration sensitive equipment.[25]

Groundborne noise specifically refers to the rumbling noise emanating from the motion of building room surfaces due to the vibration of floors and walls; it is perceptible only inside buildings.[26] The relationship between

19 California Department of Transportation, Technical Noise Supplement to the Traffic Noise Analysis Protocol, Section 2.1.4.3, September 2013. Accessed November 1, 2021.
20 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 7, 2018, https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/research-innovation/118131/transit-noise-and-vibration-impact-assessment-manual-fta-report-no-0123_0.pdf. Accessed November 1, 2021.
21 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 7, 2018.
22 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 5.1, 2018.
23 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 5.1, 2018.
24 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 5.1, 2018.
25 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 6.1, 6.2, and 6.3, 2018.
26 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Section 5.4, 2018.

groundborne vibration and groundborne noise depends on the frequency of the vibration and the acoustical absorption characteristics of the receiving room. For typical buildings, groundborne vibration that causes low frequency noise (i.e., the vibration spectrum peak is less than 30 Hz) results in a groundborne noise level that is approximately 50 decibels lower than the velocity level. For groundborne vibration that causes mid-frequency noise (i.e., the vibration spectrum peak is 30 to 60 Hz), the groundborne noise level will be approximately 35 to 37 decibels lower than the velocity level.[27] Therefore, for typical buildings, the groundborne noise decibel level is lower than the groundborne vibration velocity level at low frequencies.

2.2 Regulatory Framework

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

- Noise Control Act of 1972
- Federal Transportation Administration Vibration Standards
- Occupational Safety and Health Act of 1970
- California Office of Planning and Research Guidelines for Noise Compatible Land Use
- Caltrans Vibration/Groundborne Noise Standards
- Los Angeles County Airport Land Use Commission Comprehensive Land Use Plan
- City of Los Angeles Municipal Code
- City of Los Angeles General Plan Noise Element

Federal

Noise Control Act of 1972

Under the authority of the Noise Control Act of 1972, the United States Environmental Protection Agency (USEPA) established noise emission criteria and testing methods published in Parts 201 through 205 of Title 40 of the Code of Federal Regulations (CFR) that apply to some transportation equipment (e.g., interstate rail carriers, medium trucks, and heavy trucks) and construction equipment. In 1974, USEPA issued guidance levels for the protection of public health and welfare in residential areas of an outdoor L_{dn} of 55 dBA and an indoor L_{dn} of 45 dBA.[28] These guidance levels are not standards or regulations and were developed without consideration of technical or economic feasibility. There are no federal noise standards that directly regulate environmental noise related to the construction or operation of the Project. Moreover, the federal noise standards are not reflective of urban environments that range by land use, density, proximity to commercial or industrial centers, etc. As such, for purposes of determining acceptable sound levels and evaluating intrusive noise sources and increases, this document utilizes the City of Los Angeles Noise Regulations, discussed below.

[27] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Table 6-3 and Table 6-14, pages 126 and 146, 2018.
[28] United States Environmental Protection Agency, EPA Identifies Noise Levels Affecting Health and Welfare, 1974.

Federal Transit Administration Vibration Standards

There are no federal vibration standards or regulations adopted by any agency that are applicable to evaluating vibration impacts from land use development projects such as the proposed Project. However, the Federal Transit Administration (FTA) has adopted vibration criteria for use in evaluating vibration impacts from construction activities.[29] The vibration damage criteria adopted by the FTA are shown in Table 1, *Construction Vibration Damage Criteria*.

Table 1. Construction Vibration Damage Criteria

Building Category	PPV (in/sec)
I. Reinforced-concrete, steel, or timber (no plaster)	0.5
II. Engineered concrete and masonry (no plaster)	0.3
III. Non-engineered timber and masonry buildings	0.2
IV. Buildings extremely susceptible to vibration damage	0.12

Source: FTA, Transit Noise and Vibration Impact Assessment Manual, 2018.

Occupational Safety and Health Act of 1970

Under the Occupational Safety and Health Act of 1970 (29 U.S.C. §1919 et seq.), the Occupational Safety and Health Administration (OSHA) has adopted regulations designed to protect workers against the effects of occupational noise exposure. These regulations list permissible noise level exposure as a function of the amount of time during which the worker is exposed. The regulations further specify a hearing conservation program that involves monitoring noise to which workers are exposed, ensuring that workers are made aware of overexposure to noise, and periodically testing the workers' hearing to detect any degradation.[30]

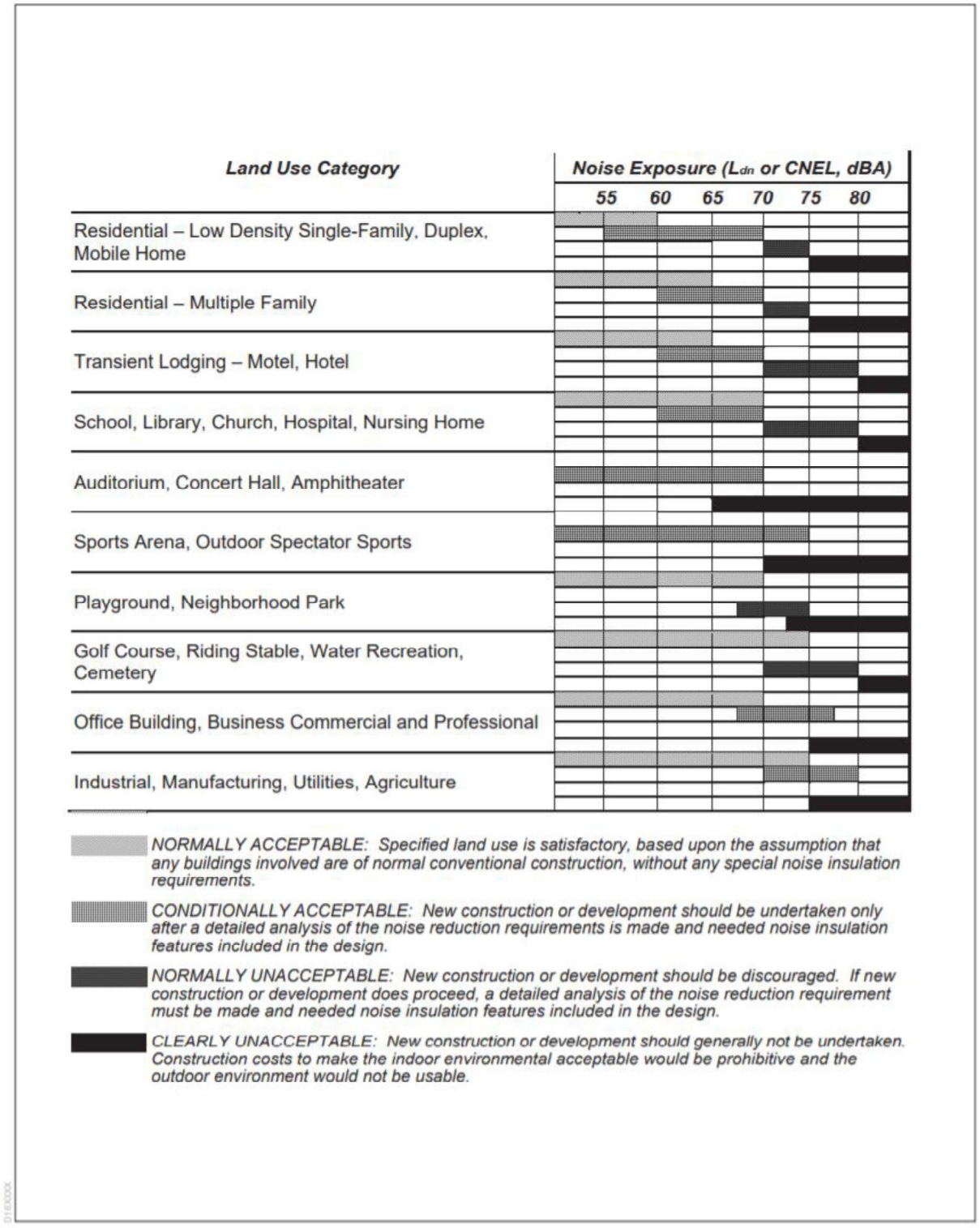
State

Office of Planning and Research Guidelines for Noise Compatible Land Use

The State of California has not adopted statewide standards for environmental noise, but the Governor's Office of Planning and Research (OPR) has established guidelines for evaluating the compatibility of various land uses as a function of community noise exposure, as presented in Figure 2, *Guidelines for Noise Compatible Land Use*.[31] The purpose of these guidelines is to maintain acceptable noise levels in a community setting for different land use types. Noise levels are divided into four general categories, which vary in range according to land use type: "normally acceptable," "conditionally acceptable," "normally unacceptable," and "clearly unacceptable." The City has developed its own compatibility guidelines in the Noise Element of the General Plan based in part on OPR Guidelines. California Government Code Section 65302 requires each county and city in the State to prepare and adopt a comprehensive long-range general plan for its physical development, with Section 65302(f) requiring a noise element to be included in the general plan. The noise element must: (1) identify and appraise noise problems in the community; (2) recognize Office of Noise Control guidelines; and (3) analyze and quantify current and projected noise levels.

29 Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Table 7-5, page 186, 2018.
30 United States Department of Labor. OSH Act, 1970.
31 State of California, Governor's Office of Planning and Research, General Plan 2017 Guidelines, page 377, 2017.

Figure 2. Guidelines for Noise Compatible Land Use



Source: State of California, General Plan Guidelines, Governor's Office of Planning and Research, 2003

The State has also established noise insulation standards for new multi-family residential units, hotels, and motels. These requirements are collectively known as the California Noise Insulation Standards (Title 24, California Code of Regulations). The noise insulation standards set forth an interior standard of 45 dBA CNEL in any habitable room. The standards require an acoustical analysis demonstrating that dwelling units have been designed to meet this interior standard where such units are proposed in areas subject to exterior noise levels greater than 60 dBA CNEL. Title 24 standards are typically enforced by local jurisdictions through the building permit application process.

The State of California's noise insulation standards for nonresidential uses are codified in the California Code of Regulations, Title 24, Building Standards Administrative Code, Part 11, California Green Building Standards (CALGreen) Code. The CALGreen Code noise standards are applied to new or renovation construction projects in California to control interior noise levels resulting from exterior noise sources. Proposed Projects may use either the prescriptive method (CALGreen Code Section 5.507.4.1) or the performance method (CALGreen Code Section 5.507.4.2) to show compliance. Under the prescriptive method, a project must demonstrate transmission loss ratings for the wall and roof-ceiling assemblies and exterior windows when located within a noise environment of 65 dBA CNEL or higher. Under the performance method, a project must demonstrate that interior noise levels do not exceed 50 dBA $L_{eq(1hr)}$.

Caltrans Vibration/Groundborne Noise Standards

The State of California has not adopted Statewide standards or regulations for evaluating vibration or groundborne noise impacts from land use development projects such as the proposed Project. Although the State has not adopted any vibration standard, Caltrans in its 2020 *Transportation and Construction Vibration Guidance Manual* recommends the following vibration thresholds that are more practical than those provided by the FTA, shown in Table 2, *Guideline Vibration Damage Potential Threshold Criteria*. The City's updated construction noise and vibration thresholds are consistent with these criteria.

Table 2. Guideline Vibration Damage Potential Threshold Criteria

Structure and Condition	Maximum PPV (in/sec)	
	Transient Sources[a]	Continuous/Frequent Intermittent Sources[b]
Extremely fragile historic buildings, ruins, ancient monuments	0.12	0.08
Fragile buildings	0.20	0.10
Historic and some old buildings	0.50	0.25
Older residential structures	0.50	0.30
New residential structures	1.00	0.50
Modern industrial/commercial buildings	2.00	0.50

Source: Caltrans, Transportation and Construction Vibration Guidance Manual, Table 19, April 2020.
Notes:
a Transient sources create a single, isolated vibration event, such as blasting or drop balls.
b Continuous/frequent intermittent sources include impact pile drivers, pogo-stick compactors, crack-and-seat equipment, vibratory pile drivers, and vibratory compaction equipment.

Regional

Los Angeles County Airport Land Use Commission Comprehensive Land Use Plan

In Los Angeles County the Regional Planning Commission has the responsibility for acting as the Airport Land Use Commission (ALUC) and for coordinating the airport planning of public agencies within the county. The ALUC coordinates planning for the areas surrounding public use airports. The Comprehensive Land Use Plan provides for the orderly expansion of Los Angeles County's public use airports and the area surrounding them. It is intended to provide for the adoption of land use measures that will minimize the public's exposure to excessive noise and safety hazards. In formulating the Comprehensive Land Use Plan, the Los Angeles County ALUC has established provisions for safety, noise insulation, and the regulation of building height within areas adjacent to each of the public airports in the County.

Local

Los Angeles Municipal Code

The City of Los Angeles Noise Regulations are provided in Chapter XI of the Los Angeles Municipal Code (LAMC). LAMC Section 111.02 provides procedures and criteria for the measurement of the sound level of "offending" noise sources. In accordance with the LAMC, a noise source that causes a noise level increase of 5 dBA over the existing average ambient noise level as measured at an adjacent property line creates a noise violation. This standard applies to radios, television sets, air conditioning, refrigeration, heating, pumping and filtering equipment, powered equipment intended for repetitive use in residential areas, and motor vehicles driven on-site. To account for people's increased tolerance for short-duration noise events, the Noise Regulations provide a 5 dBA allowance for a noise source that causes noise lasting more than 5 but less than 15 minutes in any one-hour period, and an additional 5 dBA allowance (for a total of 10 dBA) for a noise source that causes noise lasting 5 minutes or less in any one-hour period.[32]

The LAMC provides that in cases where the actual ambient conditions are not known, the City's presumed daytime (7:00 A.M. to 10:00 P.M.) and nighttime (10:00 P.M. to 7:00 A.M.) minimum ambient noise levels as defined in LAMC Section 111.03 should be used. The presumed ambient noise levels for these areas where the actual ambient conditions are not known as set forth in the LAMC Sections 111.03 are provided in Table 3, *City of Los Angeles Presumed Ambient Noise Levels*. For example, for residential-zoned areas, the presumed ambient noise level is 50 dBA during the daytime and 40 dBA during the nighttime.

Table 3. City of Los Angeles Presumed Ambient Noise Levels

Zone	Daytime Hours (7 A.M. to 10 P.M.) dBA (L_{eq})	Nighttime Hours (10 P.M. to 7 A.M.) dBA (L_{eq})
Residential (A1, A2, RA, RE, RS, RD, RW1, RW2, R1, R2, R3, R4, and R5)	50	40
Commercial (P, PB, CR, C1, C1.5, C2, C4, C5, and CM)	60	55
Manufacturing (M1, MR1 and MR2)	60	55
Heavy Manufacturing (M2 and M3)	65	65

Source: LAMC Section 111.03.

[32] Los Angeles Municipal Code, Chapter XI, Article I, Section 111.02-(b). Accessed November 1, 2021.

LAMC Section 112.02 limits increases in noise levels from air conditioning, refrigeration, heating, pumping and filtering equipment. Such equipment may not be operated in such manner as to create any noise which would cause the noise level on the premises of any other occupied property, or, if a condominium, apartment house, duplex, or attached business, within any adjoining unit, to exceed the ambient noise level by more than 5 dB.

LAMC Section 113.01 prohibits collecting or disposing of rubbish or garbage, operating any refuse disposal truck, or collecting, loading, picking up, transferring, unloading, dumping, discarding, or disposing of any rubbish or garbage, as such terms are defined in LAMC Section 66.00, within 200 feet of any residential building between the hours of 9:00 P.M. and 6:00 A.M. of the following day, unless a permit therefore has been duly obtained beforehand from the Board of Police Commissioners.

Section 91.1207.14.2 prohibits interior noise levels attributable to exterior sources from exceeding 45 dBA in any habitable room. The noise metric shall be either the day-night average sound level (L_{dn}) or the CNEL, consistent with the noise element of the local general plan.

City of Los Angeles General Plan Noise Element

The Noise Element of the City's General Plan policies include the CNEL guidelines for land use compatibility as shown in Table 4, *City of Los Angeles Land Use Compatibility for Community Noise*, and includes a number of goals, objectives, and policies for land use planning purposes. The overall purpose of the Noise Element is to guide policymakers in making land use determinations and in preparing noise ordinances that would limit exposure of citizens to excessive noise levels.[33] The following policies and objectives from the Noise Element apply to the Project.

> Objective 2 (Non-airport): Reduce or eliminate non-airport related intrusive noise, especially relative to noise sensitive uses.
>
> Policy 2.2: Enforce and/or implement applicable city, state, and federal regulations intended to mitigate proposed noise producing activities, reduce intrusive noise and alleviate noise that is deemed a public nuisance.
>
> Objective 3 (Land Use Development): Reduce or eliminate noise impact associated with proposed development of land and changes in land use.
>
> Policy 3.1: Develop land use policies and programs that will reduce or eliminate potential and existing noise impacts.

Exhibit I of the Noise Element also contains guidelines for noise compatible land uses.[34] The following table summarizes these guidelines, which are based on OPR guidelines from 1990.

33 City of Los Angeles. General Plan, Noise Element, Pages 1.1-2.4, 1999
34 City of Los Angeles. General Plan, Noise Element, Page I-1, 1999.

CITY OF LOS ANGELES LAND USE COMPATIBILITY FOR COMMUNITY NOISE

Land Use	Community Noise Exposure CNEL (dBA)			
	Normally Acceptable	Conditionally Acceptable	Normally Unacceptable	Clearly Unacceptable
Single-Family, Duplex, Mobile Homes	50 to 60	55 to 70	70 to 75	Above 70
Multi-Family Homes	50 to 65	60 to 70	70 to 75	Above 70
Schools, Libraries, Churches, Hospitals, Nursing Homes	50 to 70	60 to 70	70 to 80	Above 80
Transient Lodging—Motels, Hotels	50 to 65	60 to 70	70 to 80	Above 80
Auditoriums, Concert Halls, Amphitheaters	—	50 to 70	—	Above 65
Sports Arena, Outdoor Spectator Sports	—	50 to 75	—	Above 70
Playgrounds, Neighborhood Parks	50 to 70	—	67 to 75	Above 72
Golf Courses, Riding Stables, Water Recreation, Cemeteries	50 to 75	—	70 to 80	Above 80
Office Buildings, Business and Professional Commercial	50 to 70	67 to 77	Above 75	—
Industrial, Manufacturing, Utilities, Agriculture	50 to 75	70 to 80	Above 75	—

Normally Acceptable: Specified land use is satisfactory, based upon the assumption that any buildings involved are of normal conventional construction without any special noise insulation requirements.

Conditionally Acceptable: New construction or development should be undertaken only after a detailed analysis of the noise reduction requirements is made and needed noise insulation features included in the design. Conventional construction, but with closed windows and fresh air supply systems or air conditioning will normally suffice.

Normally Unacceptable: New construction or development should generally be discouraged. If new construction or development does proceed, a detailed analysis of the noise reduction requirements must be made and needed noise insulation features included in the design.

Clearly Unacceptable: New construction or development should generally not be undertaken.

SOURCE: City of Los Angeles, 2006 L.A. CEQA Thresholds Guide, 2006.

City of Los Angeles Construction Noise and Vibration - Updates to Thresholds and Methodology

In August of 2024, the City developed updated thresholds for construction noise and vibration.[35] The thresholds are "to be used by the Department of City Planning in assessing the environmental impacts of projects in accordance with CEQA" and are "intended to be suited to the generally urban nature of the City, while still

[35] City of Los Angeles. Construction Noise and Vibration, Updates to Thresholds and Methodology, August 2024.

recognizing the importance of human health, including sleep disruption." The thresholds "are intended to account for reasonable expectations regarding construction noise and vibration during daytime and nighttime hours, and also include absolute maximum noise levels that are intended to protect human health." The updated thresholds are used in this document to assess significance under CEQA. The thresholds are listed in Section 3.1, Thresholds of Significance, below.

2.3 Existing Conditions

Project Site

The Project Site is approximately 3.5 net acres in size. It is made up of two parcels, one of which is currently occupied by the A-1 Trailer Park. The other parcel was formerly used as a vehicle storage lot but is now a vacant surface parking lot. The Project Site is bordered to the north by Pacific Coast Highway, to the east by an auto repair shop and a surface parking lot that is used by Kaiser Permanente, to the south by West 259th Street, which is a cul-de-sac that dead ends at the Kaiser Permanente surface parking lot, and to the west by Frampton Avenue. To the south of West 259th Street are multi-family residential buildings.

Noise-Sensitive Receptors

The nearest sensitive receptors are multi-family residential buildings to the south of West 259th Street, located approximately 40 feet from the Project Site. Other sensitive receptors in the area consist of residences to the north, northwest, and northeast of the Project Site, as well as a hospital to the southeast.

Existing Noise Conditions

Ambient noise measurements were conducted on and near the Project Site to characterize the existing noise environment. The measurements were conducted on December 4, 2023, using a Rion NL-52 Integrating Sound Level Meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier.[36] The sound level meter meets the current American National Standards Institute (ANSI) standard for a Type 1 (Precision) sound level meter. The calibration of the sound level meter was verified before and after the measurements, and the measurements were conducted with the measurement microphone covered with a windscreen and positioned approximately five feet above the ground.

Six noise measurement locations were selected (ST1–ST6), representing existing and/or future noise-sensitive receptors on the project site and in the project vicinity. The measurement locations are shown in Figure 3, *Noise Measurement Locations*, and the measured average noise levels and measurement locations are provided in Table 5. Noise measurement data is also included in Attachment A. As shown in Table 5, measured ambient noise levels ranged from approximately 53 dBA L_{eq} at ST4 (south of the Project Site) to 76 dBA L_{eq} at ST1 (northwest of the Project Site). The primary noise sources at the measurement locations consisted of traffic along the adjacent roadways, as well as aircraft flyovers. Secondary noise sources included distant conversations, and distant mechanical noise.

36 There has been no new development or construction in the vicinity of the Project that would substantially alter the ambient noise environment relative to December 2023 conditions.

Table 5. Measured Noise Levels

Receptors	Location/Address	Date	Time	L_{eq} (dBA)	L_{max} (dBA)
ST1	Northwest corner of PCH and Belle Porte Avenue (1401 PCH and 25737 Belle Porte Avenue), northwest of Project Site	December 4, 2023	10:30 a.m. – 10:45 a.m.	76	102
ST2	Southeast corner of Corona Del Sol Apartments (25711 Frampton Avenue), north of Project Site	December 4, 2023	10:55 a.m. – 11:10 a.m.	61	79
ST3	Along PCH public ROW, south of residence at 1068 Bayview Lane, northeast of Project Site	December 4, 2023	11:27 a.m. – 11:42 a.m.	73	86
ST4	Adjacent to residence at 1277 West 2595th Street, south of Project Site	December 4, 2023	11:54 a.m. – 12:12 p.m.	53	76
ST5	Along PCH public ROW, north of Project Site	December 4, 2023	12:15 p.m. – 12:30 p.m.	75	90
ST6	Along Normandie Avenue public ROW, west of hospital at 25820 Normandie Avenue, east of Project Site	December 4, 2023	12:41 p.m. – 12:57 p.m.	64	82

Attachment A
Notes: L_{eq} = equivalent continuous sound level (time-averaged sound level); L_{max} = maximum sound level during the measurement interval; ROW = right-of-way; There has been no new development or construction in the vicinity of the Project that would substantially alter the ambient noise environment relative to December 2023 conditions.

3 Project Impacts

3.1 Thresholds of Significance

The following thresholds are adopted to aid in the determination of the Project's noise and vibration impacts:

State CEQA Guidelines: Appendix G

In accordance with Appendix G of the CEQA Guidelines, the Project would have a significant impact related to noise if the Project would result in:

a) ***Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?***

b) ***Generation of excessive groundborne vibration or groundborne noise levels?***

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

On-Site Construction Noise Threshold

As set forth in the City of Los Angeles Construction Noise and Vibration - Updates to Thresholds and Methodology, construction noise thresholds are as follows:

- For construction activities that occur between 7:00 A.M. and 7:00 P.M. Monday through Friday, and between 8:00 A.M. and 6:00 P.M. on Saturdays, there is no numerical threshold above ambient noise levels.
- On- and off-site construction noise during daytime hours (7:00 A.M. and 7:00 P.M. Monday through Friday, and 8:00 A.M. to 6:00 P.M. on Saturdays) are limited to a maximum 80 dBA $L_{eq(8\text{-}hour)}$ absolute threshold at sensitive uses (at the property line or at the exterior of the building), including outdoor public recreational areas owned or maintained by a public agency. This standard does not apply to private residential balconies which may or may not extend past the exterior of a building, or to private residential recreational areas.
- For construction activities that occur between 7:00 P.M. and 7:00 A.M. Monday through Friday, and between 6:00 P.M. and 8:00 A.M. on Saturdays, and anytime on Sundays or national holidays, noise levels at sensitive uses would not exceed 5 dBA above the ambient noise level at the receptor.
    - Mat pour activities (and other types of concrete pour, which require an extended continuous pour beyond the allowable construction hours) that are required to occur during nighttime hours for less than five days are exempt from this provision.
- For construction activities that occur between 7:00 P.M. and 7:00 A.M. Monday through Friday, and between 6:00 P.M. and 8:00 A.M. on Saturdays, and anytime on Sundays or national holidays, the maximum exterior noise level at sensitive uses where sleep is expected will not exceed the following:
    - 55 dBA L_{eq} for sensitive uses within older buildings that would have operable windows that may be open.
    - 65 dBA L_{eq} for sensitive uses with windows closed that are not operable and are single-glazed.
    - 70 dBA L_{eq} for sensitive uses that have newer construction (i.e., the structures have been designed to ensure that an interior 45 dBA is obtained with double-paned windows)
    - Mat pour activities (and other types of concrete pour, which require an extended continuous pour beyond the allowable construction hours) that are required to occur during nighttime hours for less than five days are exempt from this provision.

Operational Noise Thresholds

In addition to applicable City standards and guidelines that would regulate or otherwise manage the Project's operational noise impacts, the following criteria are adopted to assess the impacts of the Project's operational noise sources:

- Project operations would cause ambient noise levels at off-site locations to increase by 3 dBA CNEL or more to or within "normally unacceptable" or "clearly unacceptable" noise and land use compatibility categories, as defined by the City's General Plan Noise Element (see Table 4).
- In areas where the ambient noise level is normally or conditionally acceptable, Project operations would cause any 5 dBA or greater noise increase.

Construction Groundborne Vibration Thresholds

As set forth in the City of Los Angeles Construction Noise and Vibration - Updates to Thresholds and Methodology, construction noise thresholds are as follows:

- For construction activities that occur between 7:00 A.M. and 7:00 P.M. Monday through Friday, and between 8:00 A.M. and 6:00 P.M. on Saturdays, there is no numerical threshold related to human annoyance.
- During nighttime hours (between 7:00 P.M. and 7:00 A.M. Monday through Friday, and between 6:00 P.M. and 8:00 A.M. on Saturdays), and anytime on Sundays or national holidays, construction activities shall not generate groundborne vibration levels that exceed 80 VdB at the exterior of a sensitive use building.
- Architectural Building Damage — Construction activities shall not exceed the following building damage thresholds for the identified structures:
  - Fragile Buildings: 0.1 PPV
  - Historic Buildings: 0.25 PPV
  - Older[37] Residential Structures: 0.3 PPV
  - New Residential Structures: 0.5 PPV
  - Modern Industrial/Commercial Buildings: 0.5 PPV

There would be no operational vibration associated with the Project and thus no operational vibration thresholds have been identified.

3.2 Methodology

The following section discusses the methods used to analyze the Project's noise impacts:

[37] Caltrans does not specify the age of the building to be considered. For vibration impact analyses, a building over 50 years old can be considered an "older" residential structure.

Construction Activities

The Project is within 40 feet of residences. The Project's construction noise impact associated with its on-site construction activities was determined by identifying the source noise levels of the Project's potential construction equipment at a reference distance of 50 feet, calculating the noise levels of this equipment at the nearest residential property lines, and comparing them to the 80 dBA standard set by the City's updated construction noise thresholds. Reference equipment noise levels were obtained from the Federal Highway Administration's Roadway Construction Noise Model, version 1.1 (FHWA RCNM 1.1).[38]

The Project would not result in nighttime construction work, and construction work would not be scheduled for Sundays or national holidays. As such, the construction noise thresholds specific to nighttime work or work on Sundays and national holidays would not apply.

On-Site Operational Noise Sources

The Project's potential to result in significant noise impacts from on-site operational noise sources was assessed by identifying likely on-site noise sources and considering the impacts they could produce given the nature of the source (i.e., loudness and/or whether noise would be generated during daytime or more-sensitive nighttime hours), distances to nearby noise-sensitive receptors, surrounding ambient noise levels, the presence of similar noise sources in the vicinity, and maximum allowable noise levels permitted by the LAMC and General Plan Noise Element.

Off-Site Operational Noise Sources

The Project's off-site operational noise impact from its related traffic generation was assessed by comparing the Project's estimated trip generation with surrounding traffic levels to determine significance.

Construction Vibration Sources

The Project's potential to generate damaging levels of groundborne vibration was analyzed by identifying construction vibration sources and estimating the maximum vibration levels that they could produce at nearby buildings and sensitive receptors, all based on FTA methodology and guidance. Vibration levels are then compared with the City's thresholds listed above in Section 3.1, Thresholds of Significance.

Operational Vibration Sources

Significant sources of operational vibration are generally limited to heavy equipment or industrial operations. The Project proposes to construct a mixed-use residential project, and no such operations would take place.

[38] Federal Highway Administration. Roadway Construction Noise Model (RCNM), Software Version 1.1. U.S. Department of Transportation, Research and Innovative Technology Administration, John A. Volpe National Transportation Systems Center, Environmental Measurement and Modeling Division. December 2008.

3.3 Analysis of Project Impacts

Threshold a) Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

On-Site Construction Activities

Construction of the Project would occur over an approximate 23-month period. Construction would occur in phases, including demolition, grading, building construction, architectural coatings, and paving. The demolition phase would include activities required to remove the existing mobile home park from the Project Site. As part of the first phase in the Project's construction process, the existing manufactured dwellings would be removed, as follows:

- Mobile homes: Approximately 80% of the existing mobile homes (or, 14 homes) are anticipated to be removed by residents, using heavy duty tow trucks. Approximately 20% (or, 3 homes) are anticipated to be demolished in place by the applicant's construction contractor and debris would be hauled off site using dump trucks.
- Trailers: Approximately 80% of the existing trailers (or, 18 trailers) are anticipated to be towed away by residents, using conventional pick-up trucks. Approximately 20% (or, 4 trailers) are anticipated to be towed by the applicant's construction contractor, using conventional pick-up trucks.
- Recreational Vehicles (RVs): All RVs are anticipated to be driven off site by the vehicle owners.

Once the manufactured homes have been relocated or demolished as identified above, all permanent structures would be demolished (utility rooms, the laundry/storage building, and the three buildings along Pacific Coast Highway), and the demolition debris would be hauled off from the Project site. Next, the asphalt, utility poles, fences, landscaping, and other improvements would be demolished and the debris would be removed from the site. In total, demolition of the mobile home park as a whole is expected to require 576 haul truck trips. On a daily basis, approximately 20 construction workers would be required. Removal of the manufactured dwellings, demolition of the permanent structures, and demolition of the other improvements (e.g., asphalt, utility poles) is expected to take approximately one month and would constitute the first phase of Project construction. Once the site has been cleared, the other construction phases would follow (grading, building construction, etc.). The analysis in this memorandum includes the closure of the mobile home park and removal of structures from the Project site.

The types of equipment that would be used for demolition and construction include standard equipment that would be employed for any routine construction project of this scale, such as graders, tractors, loaders, cranes, rubber-tired bulldozers, generators, and paving equipment. Construction equipment with substantially higher noise-generation characteristics (such as pile drivers, rock drills, blasting equipment) would not be necessary for demolition or construction of the proposed Project.

Construction noise is difficult to quantify because of the many variables involved, including the specific equipment types, size of equipment used, percentage of time each piece is in operation, condition of each piece of equipment, and number of pieces that would operate on the site. One of the most extensive and widely used databases for sound levels from motorized or powered construction equipment is the Noise Source Database developed under National Cooperative Highway Research Program 25-49 Development of a Highway Construction Noise Prediction

Model.[39] While the focus of data compilation was for equipment that would typically be employed for the construction of transportation facilities, the list is comprehensive enough to be useful in assessing sound levels for nearly every activity for which powered equipment is used. The range of maximum noise levels for various types of construction equipment at a distance of 50 feet is shown in Table 6. The noise values represent maximum noise generation, or full- power operation of the equipment. As an example, a loader and two dozers, all operating at full power and relatively close together, would generate a maximum sound level of approximately 90 dBA at 50 feet from their operations. As one increases the distance between equipment or separation of areas with simultaneous construction activity, dispersion and distance attenuation reduce the effects of separate noise sources added together. In addition, typical operating cycles may involve 2 minutes of full-power operation, followed by 3 or 4 minutes at lower levels. The average noise level during construction activities is generally lower (typical levels of approximately 88 dBA L_{eq} at a distance of 50 feet), since maximum noise generation may only occur up to 50% of the time. Noise levels from construction operations decrease at a rate of approximately 6 dB per doubling of distance from the source.

Table 6. Typical Construction Equipment Noise Emission Levels

Equipment	Typical Sound Level (dBA) 50 Feet from Source
Air compressor	81
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	81
Grader	85
Impact wrench	85
Jackhammer	88
Loader	85
Paver	89
Pneumatic tool	85
Pump	76
Roller	74
Saw	76
Truck	88

Source: Project 25-49 Data, National Cooperative Highway Research Program, 2022. .

The nearest point of construction activities to the closest noise-sensitive receivers (multi-family residences located south of the Project Site) would be approximately 40 feet and the furthest would be approximately 630 feet. The nearest noise-sensitive receivers are located approximately 330 feet away from the acoustic center of construction activity (the idealized point from which the energy sum of all construction activity noise near and far would be

[39] Project 25-49 Data, National Cooperative Highway Research Program, https://apps.trb.org/cmsfeed/trbnetprojectdisplay.asp?projectid=3889, October 2018.

centered). Thus, the distance to construction activities for the closest residences would be as near as 40 feet away but would typically be approximately 330 feet away.

With the sound sources identified in Table 6 above, an analysis was performed with a Microsoft Excel–based noise prediction model using the NCHRP reference data. Input variables include the equipment type (i.e., backhoe, crane, truck, etc.), the number of equipment pieces, and the distance from the sensitive receptor. The noise analysis does not take into account the estimated noise reduction provided by the temporary construction noise barrier as detailed in MM-NOI-2. The 8-foot high noise barrier would provide a minimum of 10 dB noise reduction. Construction sound levels taking into account the 8-foot-high barrier are given in Table 9 in Section 3.5, Impacts after Mitigation.

The noise levels from the proposed construction activities are summarized in Table 7. The complete set of input and output data for construction noise is provided in Attachment B. As shown, at the nearest residences, located to the south of the proposed project site, noise levels without mitigation would range from approximately 64 to 88 dBA L_{eq} when construction would take place at or near the project boundary. More typical construction noise levels at the residences to the south would range from approximately 41 to 66 dBA L_{eq}. Noise levels at the other, more distant locations would be lower. Also as shown in Table 7, construction noise levels would exceed 80 dBA L_{eq} during heavy construction located near the southern or southeastern boundary. With MM-NOI-1 and 2, construction equipment noise would not exceed 80 dBA L_{eq} at sensitive properties (see Table 9), and therefore would comply with the City's updated construction noise thresholds. Therefore, noise from on-site construction activities would be less than significant with mitigation.

Additionally, the Project applicant would be required employ Housing Element Program EIR noise mitigation measures MM 4.10-1(a)-(e) for noise control, which may serve to further reduce construction noise levels beyond those shown in Table 7 and Table 9. The Project applicant would also provide notification to nearby land uses prior to Project commencement and would provide a complaint process in the event of noise disturbance.

Table 7. Construction Noise Modeling Summary Results – Without Mitigation

Off-Site Receptor Location	Distance from Construction Activity to Noise Receptor (feet)	Estimated Construction Noise Levels (dBA L_{eq})						
		Demolition	Grading	Building Construction - Framing	Building Construction - MEP	Building Construction - Finish and Close-out	Architectural Coating	Paving
Residences South of the Project Site (with 8 foot high barrier)	Nearest Construction Activity/ Receiver Distance (40')	85	82	88	88	88	88	64
	Typical Construction Activity/ Receiver Distance (330')	62	60	66	66	66	66	41
Hospital Southeast of the Project	Nearest Construction Activity/	78	76	81	81	81	81	57

Table 7. Construction Noise Modeling Summary Results – Without Mitigation

Off-Site Receptor Location	Distance from Construction Activity to Noise Receptor (feet)	Estimated Construction Noise Levels (dBA L_{eq})						
		Demolition	Grading	Building Construction - Framing	Building Construction - MEP	Building Construction - Finish and Close-out	Architectural Coating	Paving
Site (with 8 foot high barrier)	Receiver Distance (75')							
	Typical Construction Activity/ Receiver Distance (370')	61	59	64	64	64	64	40
Residences North of the Project Site (with 8 foot high barrier)	Nearest Construction Activity/ Receiver Distance (280')	64	61	67	67	67	66	42
	Typical Construction Activity/ Receiver Distance (575')	57	54	60	60	60	59	35
Residences West-Northwest of the Project Site	Nearest Construction Activity/ Receiver Distance (470')	59	56	62	62	62	37	61
	Typical Construction Activity/ Receiver Distance (710')	55	52	58	58	58	33	57

Source: Attachment B
Notes: dBA = A-weighted decibels; L_{eq} = equivalent sound level

Off-Site Construction Activities

The Project would result in local, short-term increases in roadway noise as a result of construction traffic. Based on information developed as part of the Project's air quality analysis, Project-related traffic would include workers commuting to and from the Project Site as well as vendor and haul trucks bringing or removing materials. The highest number of average daily worker trips would be 350 trips, occurring during the building construction (Framing and Mechanical/Electrical/Plumbing) phases. The highest number of average daily vendor truck trips would be 50 trips, occurring during the demolition phase. The highest number of total haul trips for any construction phase is estimated to be 876 trips, during the grading phase. The grading phase is estimated to occur over a 41 working day period, resulting in an average of approximately 21 haul trucks per day.

Based upon a review of average daily traffic volumes,[40] Pacific Coast Highway carries approximately 43,000 trips in this area (based upon traffic counts conducted at Pacific Coast Highway and Western Avenue in 2015). Comparing the maximum number of daily construction-related trips (350 worker trips, 50 vendor truck trips and 21 haul truck trips) to the average daily traffic volume (43,000 trips), the additional vehicle trips would amount to an increase of less than 1%. Based upon the fundamentals of acoustics, a doubling (i.e., a 100% increase) would be needed to result in a 3-dB increase in noise levels, which is the level corresponding to an audible change to the typical human listener. An incremental increase of 1% would not correspond to an audible or a measurable increase on an hourly average basis, and thus would be less than significant. Therefore, traffic related to construction activities would not result in a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Impacts from Project-related construction traffic noise would be less than significant.

On-Site Operational Noise

On-Site Mechanical Noise

Mechanical noise from HVAC units and other electro-mechanical equipment would occur as a result of the Project. Based upon information provided by the Project applicant, individual HVAC condenser units would be on the rooftop. The details regarding the specific units (i.e., manufacturer, model, noise output) or their locations, have not yet been determined. Additionally, an outdoor electrical transformer would be included as part of the Project. Similar to the HVAC units, the details regarding the location, manufacturer, model, or noise output of the transformer have also not yet been determined. Section 112.02 of the LAMC limits increases in noise levels from air conditioning, refrigeration, heating, pumping and filtering equipment. As specified in the LAMC, such equipment may not be operated in such manner as to create any noise which would cause the noise level on the premises of any other occupied property, or, if a condominium, apartment house, duplex, or attached business, within any adjoining unit, to exceed the ambient noise level by more than 5 dB. Section 112.04 limits noise from powered equipment intended for repetitive use in residential areas and other machinery, equipment, and devices. This section states that "no person shall operate or cause to be operated any machinery, equipment, tools, or other mechanical or electrical device, or engage in any other activity in such manner as to create any noise which would cause the noise level on the premises of any other occupied property, or, if a condominium, apartment house, duplex, or attached business, within any adjoining unit, to exceed the ambient noise level by more than 5 dB." With required compliance with the LAMC regulations, operational noise from on-site mechanical equipment would be less than significant.

Roof Deck, Pool Deck, and Other Exterior Use Areas

The proposed mixed-use building would occupy a majority of the Project site; therefore, the space along the Project's north, south, east and west sides would be limited to narrow landscaped areas, a small plaza with a monument feature at the southeast corner of Frampton Avenue and Pacific Coast Highway, a secondary courtyard with a water fountain and bench seating on the building's southwest side, and a small dog "parklet" (26 feet wide by 38.5 feet long) on the building's east side. A small roof deck is proposed on the northwest corner of the building. No outdoor "outward-facing" dining or other prolonged noise-generating activities are proposed.

[40] Los Angeles Department of Transportation (LADOT). LADOT Traffic Counts Summary. https://data.lacity.org/Transportation/LADOT-Traffic-Counts-Summary/94wu-3ps3. Accessed November 4, 2021.

Pursuant to Public Resources Code 21085, sound generated by residents and their guests in residential uses are not considered significant impacts on the environment. Nevertheless, it is noted that most outdoor activities would take place within either the primary south courtyard or the pool area, both of which are enclosed on all four sides by the multi-level building. Sounds generated in the small roof deck on the northwest corner of the building are anticipated to be limited to conversation only (i.e., no amplified music is proposed). Normal conversation could generate a sound level of about 60 dBA L_{eq} at a distance of 3 feet. At the distance of the nearest residences, located about 330 feet to the northwest of the roof deck, sound levels from conversation in the roof deck would be below 20 dBA, well below background levels in this location, which are measured to be 61 dBA L_{eq} (see ST2 in Table 5). Noise from the proposed dog "parklet" is anticipated to be minimal as the area is small and facing east, where no noise-sensitive receivers exist in the vicinity.

The proposed parking structure would be surrounded on all four sides by the proposed residential/commercial structure, and the parking structure's entrance would be located to the west; for this reason, noise from parking activities would be minimal at noise-sensitive receivers adjacent to the Project site (located to the south, southeast, and points north). Finally, periodic outdoor landscaping maintenance activities would take place along the Project's outward-facing planted areas, but these would generate noise levels similar in level and character to the maintenance carried out for other residential and commercial spaces in the Project vicinity, would be relatively brief in duration and would be subject to City of Los Angeles noise regulations for powered equipment or powered hand tools. For these reasons, noise from exterior noise sources would be less than significant.

Off-Site Operational Noise

The Project would result in the creation of additional vehicle trips on local roadways (i.e., Pacific Coast Highway, Frampton Avenue, Belle Porte Avenue, 259th Street), which could result in increased traffic noise levels at adjacent noise-sensitive land uses.

Off-Site Traffic Noise

The Project would add additional traffic along adjacent roadways. Potential noise effects from vehicular traffic were assessed using the Federal Highway Administration's Traffic Noise Model (TNM) version 2.5.[41] Information used in the model included the site geometry, existing, existing plus Project, future (Year 2026) without Project, and future (Year 2026) with Project traffic volumes[42] and posted traffic speeds. Noise levels were modeled at representative noise-sensitive receivers ST1 through ST6 as well as an additional modeled-only location (M1), at Frampton Avenue and West 259th Street, as shown in Figure 3. The receivers were modeled to be 5 feet above the local ground elevation. The noise model results are summarized in Table 8. Detailed traffic noise modeling input and output is provided in Attachment C.

Table 8 shows that the maximum noise level increase would be 1 dB (when rounded to whole numbers). The proposed Project would not cause ambient noise levels at off-site locations to increase by 3 dBA CNEL or more to or within "normally unacceptable" or "clearly unacceptable" noise and land use compatibility categories, as defined by the City's General Plan Noise Element (see Table 4). Nor would the proposed Project cause a 5 dBA or greater

41 Federal Highway Administration (FHWA). FHWA Traffic Noise Model, Version 2.5. Office of Environment and Planning. Washington, DC. February 2004.

42 Linscott, Law & Greenspan Engineers. 1280 Pacific Coast Highway Mixed-Use Development Project Traffic Volumes.

noise increase in areas where the ambient noise level is normally or conditionally acceptable. Based upon these results, off-site traffic noise impacts would be less than significant.

Table 8. Off-Site Traffic Noise Modeling Results

Modeled Receptor	Existing Noise Level (dBA CNEL)	Existing Plus Project Noise Level (dBA CNEL)	Noise Level Increase (dB)	Future Noise Level (dBA CNEL)	Future Plus Project Noise Level (dBA CNEL)	Noise Level Increase (dB)
ST1	70	70	0	70	70	0
ST2	61	62	1	62	62	0
ST3	73	73	0	73	73	0
ST4	50	50	0	50	51	1
ST5	72	72	0	72	72	0
ST6	56	56	0	56	57	1
M1	70	70	0	70	70	0

Source: Attachment C

Threshold b) Would the project result in generation of excessive groundborne vibration or groundborne noise levels?

Construction Vibration

Construction activities that might expose persons to excessive ground-borne vibration or ground-borne noise could cause a potentially significant impact. Groundborne vibration from construction activities is typically attenuated over short distances. The heavier pieces of construction equipment used at this site could include bulldozers, excavators, loaded trucks, water trucks, and pavers.

Per the City's construction vibration thresholds listed in Section 3.1, Thresholds of Significance, there is no numerical threshold related to human annoyance for daytime construction activities (i.e., those occurring between 7:00 A.M. and 7:00 P.M. Monday through Friday and between 8:00 A.M. and 6:00 P.M. on Saturdays. Project construction is anticipated to occur during these specified time frames, and these construction hours would be enforced through compliance with MM-NOI-1 (see Section 3.4, Mitigation Measures, for details). As such, construction vibration effects related to human annoyance would be less than significant. Nevertheless, the City's numerical thresholds for architectural building damage due to construction vibration would still apply to the Project. Based on a review of surrounding buildings, their built dates, and their historical status, the Project is not located in proximity to fragile buildings, historic buildings, or older residential structures.[43] As such, the applicable building damage threshold would be 0.5 PPV.

43 Dudek, Research regarding parcels within 50 feet of the Project Site, including Zimas, SurveyLA, Los Angeles County Assessor, the California Built Environment Resources Directory, and a desktop review of the Project area. December 2024.

Based on published vibration data, typical heavy construction equipment would generate a vibration level of approximately 0.089 to 0.210 inches per second PPV at a distance of 25 feet from the source; lighter construction equipment, such as a small bulldozer, would generate a substantially lower vibration level of approximately 0.003 inches per second PPV at a distance of 25 feet from the source.[44] The closest structures to the Project site are commercial buildings approximately 20 feet to the east. At this distance, the worst-case vibration level would be 0.12 to 0.26 inches per second PPV. This is below the applicable building damage threshold of 0.5 inches per second PPV for modern commercial and industrial buildings, as well as below the 0.3 inches per second PPV threshold for older residential buildings Impacts related to architectural building damage would thus be less than significant.

Operational Vibration

The on-going operation of the Project would not include the operation of any known vibration sources. Therefore, no impact would occur from operation of the Project.

Threshold c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No airstrips are located in the Project vicinity. The nearest airport is Torrance Municipal Airport, located approximately 2 miles west of the project site. Based on the Los Angeles County Airport Land Use Plan,[45] the Project Site is not located within the Airport Influence Areas of any of the airports in the region. As such, less than significant impacts from airport/aircraft noise would occur.

3.4 Mitigation Measures

The Project has been found to be within the scope of the program analyzed in the Citywide Housing Element 2021-2029 and Safety Element Updates Final Environmental Impact Report (Housing Element Program EIR). Accordingly, the Project is required to comply with all applicable mitigation measures identified in the Housing Element Program EIR Mitigation Monitoring Program (MMP). The applicable noise mitigation measures (MMs) are listed below.

4.10-1(a) Noise Shielding and Silencing. For all discretionary projects, power construction equipment (including combustion engines), fixed or mobile, shall be equipped with noise shielding and silencing devices consistent with manufacturer's standards or the Best Available Control Technology. Equipment shall be properly maintained, and the Project Applicant or Owner shall require any construction contractor to keep documentation on-site during any earthwork or construction activities demonstrating that the equipment has been maintained in accordance with manufacturer's specifications. Measure shall be shown on plans.

4.10-1(b) Use of Driven Pile Systems. For all discretionary projects, driven (impact), sonic, or vibratory pile drivers shall not be used, except in locations where the underlying geology renders alternative

[44] Federal Transit Administration, Transit Noise and Vibration Impact Assessment Manual, Table 7-4, page 184, 2018.

[45] Los Angeles County Airport Land Use Commission, Los Angeles County Airport Land Use Plan. 2004. http://planning.lacounty.gov/assets/upl/data/pd_alup.pdf. Accessed November 2, 2021.

methods infeasible, as determined by a soils or geotechnical engineer and documented in a soils report. Requirement shall show on plans.

4.10-1(c) Enclosures and Screening. For all discretionary projects, all outdoor mechanical equipment shall be enclosed or screened from off-site noise-sensitive uses. The equipment enclosure or screen shall be impermeable (i.e., solid material with minimum weight of 2 pounds per square feet) and break the line-of-sight from the equipment and off-site noise-sensitive uses.

4.10-1(d) Construction Staging Areas. Construction staging areas shall be located as far from noise-sensitive uses as reasonably possible and feasible in consideration of site boundaries, topography, intervening roads and uses, and operational constraints. Requirement shall show on plans.

4.10-1(e) Temporary Sound Barriers. Sound barriers, such as temporary walls or sound blankets, shall be erected between construction activities and noise-sensitive uses when construction activities are located within a line-of-sight to and within 500 feet of noise-sensitive uses. Requirement shall show on plans.

4.10-1(f) Project-Specific Construction Noise Study. A Construction Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for discretionary projects in the City located within 500 feet of noise-sensitive land uses and that have one or more of the following characteristics:

- Two or more subterranean levels or 20,000 cubic yards or more of excavated material;
- Construction duration (excluding architectural coatings) of 18 months or more;
- Use of large, heavy-duty equipment rated 300 horsepower or greater; or
- The potential for impact pile driving.

The Construction Noise Study shall characterize sources of construction noise, quantify noise levels at noise-sensitive uses (e.g., residences, transient lodgings, schools, libraries, churches [or other places of assembly], hospitals, nursing homes, auditoriums, concert halls, amphitheaters, playgrounds, and parks), and identify measures to reduce noise exposure. The Construction Noise Study shall identify reasonably available noise reduction devices or techniques to reduce noise levels to acceptable levels and/or durations including through reliance on any relevant federal, state or local standards or guidelines or accepted industry practices, and in compliance with LAMC standards. Noise reduction devices or techniques may include but not be limited to mufflers, shields, sound barriers, and time and place restrictions on equipment and activities. Each measure in the Construction Noise Study shall identify anticipated noise reductions at noise-sensitive land uses.

Project Applicants shall be required to comply with all requirements of Mitigation Measures 4.10-1(a) through 4.10-5(e) in addition to any additional requirements identified and recommended by the Construction Noise Study and shall maintain proof that notice of, as well as compliance with, the identified measures have been included in contractor agreements.

4.10-2 Project-Specific Operational Noise Study. A Noise Study, prepared by a qualified noise expert to meet the requirements herein, shall be required for all discretionary housing developments with roof decks and/or pool decks in the City of Los Angeles concurrent with Design Review and prior to the approval of building permits. The Noise Study shall include:

- Description of pertinent noise regulations.
- Analysis of operational noise generated by the project's roof decks and/or pool decks to noise-sensitive land uses.
- Comparison of noise levels to applicable City thresholds, such as if the project's operational noise would exceed 3 dBA in an unacceptable land use category or 5 dBA in an acceptable land use category per the City's land use compatibility guidelines included in the City of Los Angeles General Plan Noise Element.
- If project noise would exceed City thresholds, identification of mitigation measures to reduce noise to below 3dBA in an unacceptable land use category or 5 dBA in an acceptable land use category to the extent feasible. Mitigation measures may include, but would not be limited to, operational restrictions, sound dampening equipment, or sound walls.
- Each mitigation measure in the Noise Study shall identify anticipated noise reductions at noise-sensitive land uses.
- Applicant/owners shall comply with the mitigation plan and include the measures in construction contracts.
- Mitigation plan shall be included on plans.

4.10-3(b) Vibration Mitigation. For all discretionary projects:

- Impact pile drivers shall be avoided to eliminate excessive vibration levels. Drilled piles or similar methods are alternatives that shall be utilized where geological conditions permit their use.
- Construction activities shall involve rubber-tired equipment rather than metal-tracked equipment.

The construction contractor shall manage construction phasing (scheduling demolition, earthmoving, and ground-impacting operations so as not to occur in the same time period), use low-impact construction technologies, and shall avoid the use of vibrating equipment when allowed by best engineering practices. Requirement to be on plans.

During construction, the Project would be required to comply with MM 4.10-1(a), 4.10-1(b), 4.10-1(c), 4.10-1(d), and 4.10-1(e). The analysis contained herein fulfills the requirements for a project-specific construction and operational noise study, per MM 4.10-1(f) and MM 4.10-2. In addition to the construction noise requirements of MM 4.10-1(a)-(e), the Project would also be required to comply with the following additional requirements during construction.

MM-NOI-1 Construction Hours. Construction and demolition shall be restricted to the hours of 7:00 A.M. to 7:00 P.M. Monday through Friday, and 8:00 A.M. to 6:00 P.M. on Saturday.

MM-NOI-2 Specifications for Temporary Sound Barriers. Pursuant to MM 4.10-1(e), a temporary sound barrier is required to be erected between construction activities at noise-sensitive uses when construction activities are located within a line-of-sight to and within 500 feet of noise-sensitive uses. The specifications below have been set forth for the Project's temporary sound barriers based on site-specific conditions:

A temporary noise control barrier (8 feet in height) will be installed along the construction site's northern and southern property lines. The noise control barriers shall be engineered to reduce construction-related noise levels at the nearby noise-sensitive uses with a goal of a reduction of 10 A-weighted decibels (dBA). The noise barrier must be free of openings and cracks (with the exception of expansion joints gaps), must achieve a Sound Transmission Class (STC) of 30 or greater in accordance with ASTM Test Method E90, and must be constructed from a material having a surface density of at least 4 pounds per square foot to ensure adequate transmission loss characteristics.[46] The supporting structure shall be engineered and erected according to all other applicable codes.

3.5 Impacts after Mitigation

Table 9 shows construction impacts after implementation of the mitigation measures identified in Section 3.4, Mitigation Measures. It is noted that implementation of MM-NOI-2 is expected to result in a 10 dB reduction in construction noise. The efficacy of the noise control barriers is demonstrated via calculations shown in Attachment B, which rely on industry standards of practice as defined in *Noise and Vibration Control*.[47]

While the other mitigation measures that would be required for the Project (namely, MM 4.10-1(a)-(e)) may serve to further reduce construction noise, numerical reductions associated with these measures have not been included in Table 9. As demonstrated by the results in Table 9, implementation of the noise barrier identified in MM-NOI-2 would ensure that construction noise impacts from the Project would be reduced to less than significant.

No significant operational impacts have been identified and no operational mitigation is required. Therefore, operational noise impacts from the Project are considered less than significant.

Table 9. Construction Noise Modeling Summary Results – With Mitigation

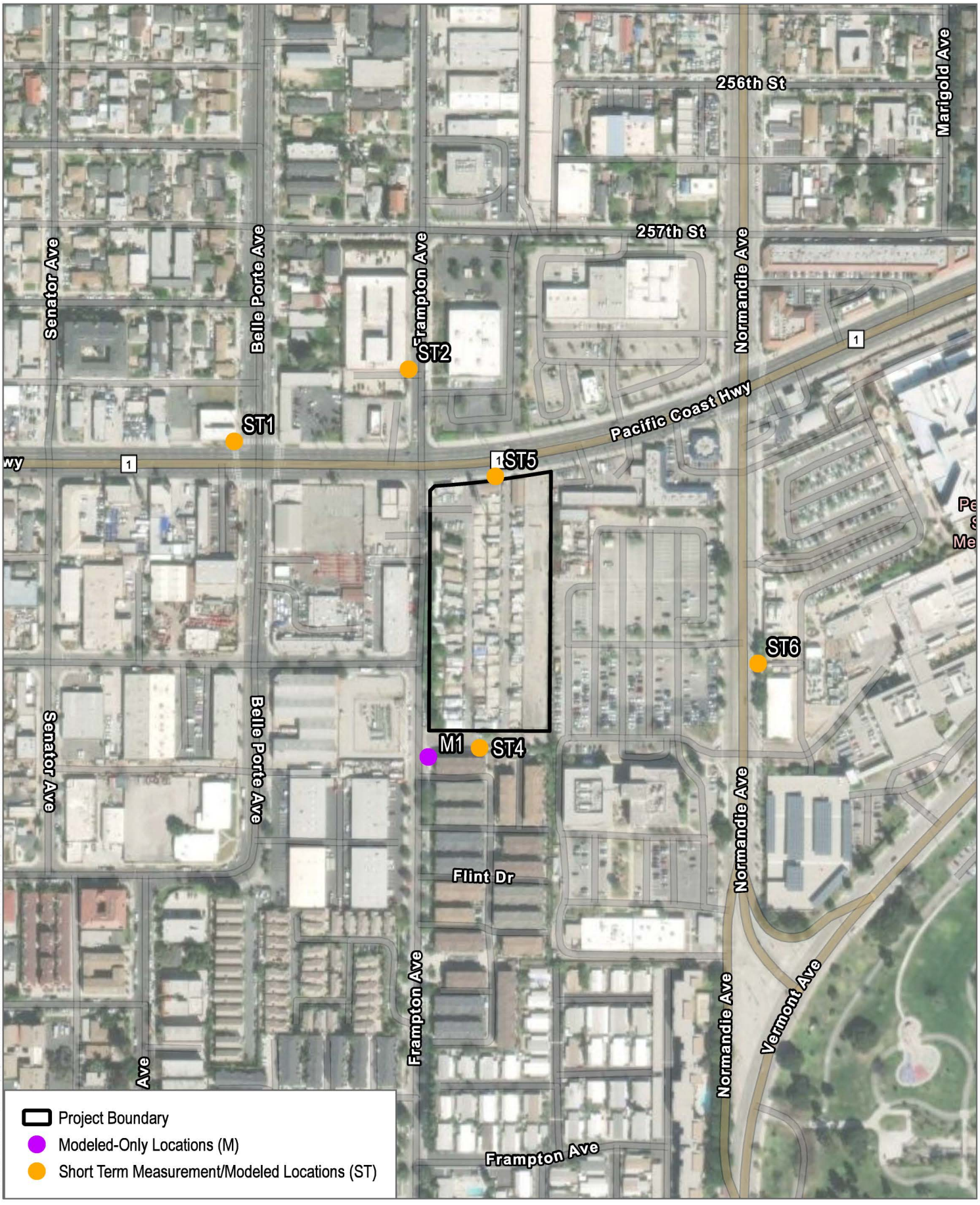
Off-Site Receptor Location	Distance from Construction Activity to Noise Receptor (feet)	Estimated Construction Noise Levels (dBA L_{eq})						
		Demolition	Grading	Building Construction - Framing	Building Construction - MEP	Building Construction - Finish and Close-out	Architectural Coating	Paving
Residences South of the Project Site	Nearest Construction Activity/	75	74	77	77	77	53	78

[46] Thalheimer, Erich. 2000. Construction Noise Control Program and Mitigation Strategy at the Central Artery/Tunnel Project. Noise Control Engineering Journal. Volume 48 Number 5.

[47] Beranek, Leo L., ed. 1971. Noise and Vibration Control. McGraw-Hill, Inc. New York, NY.

Table 9. Construction Noise Modeling Summary Results – With Mitigation

Off-Site Receptor Location	Distance from Construction Activity to Noise Receptor (feet)	Estimated Construction Noise Levels (dBA L_{eq})						
		Demolition	Grading	Building Construction - Framing	Building Construction - MEP	Building Construction - Finish and Close-out	Architectural Coating	Paving
(with 8 foot high barrier)	Receiver Distance (40')							
	Typical Construction Activity/ Receiver Distance (330')	57	56	57	57	57	33	60
Hospital Southeast of the Project Site (with 8 foot high barrier)	Nearest Construction Activity/ Receiver Distance (75')	71	70	71	71	71	48	74
	Typical Construction Activity/ Receiver Distance (370')	56	55	55	55	55	32	59
Residences North of the Project Site (with 8 foot high barrier)	Nearest Construction Activity/ Receiver Distance (280')	58	57	58	58	58	35	61
	Typical Construction Activity/ Receiver Distance (575')	52	51	52	52	52	28	55
Residences West-Northwest of the Project Site	Nearest Construction Activity/ Receiver Distance (470')	59	56	62	62	62	37	61
	Typical Construction Activity/ Receiver Distance (710')	55	52	58	58	58	33	57



SOURCE: World Imagery 2024

DUDEK

0 145 290 Feet

FIGURE 3

Noise Measurement/Modeled Locations

1280 Pacific Coast Highway Project

Attachment A

Field Noise Data Sheets

FORMS FIELD DATA REPORT

Field Noise Measurement Data

Record: 1785	
Project Name	*1280 PCH*
Observer(s)	
Date	*2023-12-04*

Meteorological Conditions	
Temp (F)	*71.6*
Humidity % (R.H.)	*43*
Wind	*Light*
Wind Speed (MPH)	*8*
Wind Direction	*West*
Sky	*Clear*

Instrument and Calibrator Information	
Instrument Name List	*(ENC) Rion NL-52*
Instrument Name	*(ENC) Rion NL-52*
Instrument Name Lookup Key	*(ENC) Rion NL-52*
Manufacturer	*Rion*
Model	*NL-52*
Serial Number	*553896*
Calibrator Name	*(ENC) LD CAL150*

Calibrator Name	*(ENC) LD CAL150*
Calibrator Name Lookup Key	*(ENC) LD CAL150*
Calibrator Manufacturer	*Larson Davis*
Calibrator Model	*LD CAL150*
Calibrator Serial #	*5152*
Pre-Test (dBA SPL)	*94*
Post-Test (dBA SPL)	*94*
Windscreen	*Yes*
Weighting?	*A-WTD*
Slow/Fast?	*Slow*

Monitoring	
Record #	*1*
Site ID	*St1*
Site Location Lat/Long	*33.789588, -118.301412*
Begin (Time)	*10:30:00*
End (Time)	*10:45:00*
Leq	*76.3*
Lmax	*101.6*
Lmin	*51.4*
Other Lx?	*L90, L50, L10*
L90	*62.9*
L50	*77.4*

L10	*79.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	
Other Noise Sources (Background)	*Distant Aircraft, Distant Traffic*
Other Noise Sources Additional Description	*Ambulance around 12-13 min in - paused*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*6*
Lane Width (feet)	*10*
Roadway Width (feet)	*60*
Roadway Width (m)	*18.3*
Distance to Roadway (feet)	*5*
Distance to Roadway (m)	*1.5*
Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts	
Vehicle Count Summary	*A 526, MT 13, HT 7, B 0, MC 0*
Select Method for Recording Count Duration	*Enter Manually*
Counting Both Directions?	*Yes*

Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*526*
Number of Vehicles - Medium Trucks	*13*
Number of Vehicles - Heavy Trucks	*7*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo



Comments / Description	*Facing west*

Site Photos	
Photo	
Comments / Description	*Facing east*

Site Photos

Photo	
Comments / Description	*Facing northwest*

Monitoring

Record #	*2*
Site ID	*ST2*
Site Location Lat/Long	*33.790099, -118.299863*

Begin (Time)	*10:55:00*
End (Time)	*11:10:00*
Leq	*60.6*
Lmax	*78.5*
Lmin	*45.8*
Other Lx?	*L90, L50, L10*
L90	*49.5*
L50	*56.3*
L10	*62.7*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*6*
Lane Width (feet)	*10*
Roadway Width (feet)	*60*
Roadway Width (m)	*18.3*
Distance to Roadway (feet)	*6*
Distance to Roadway (m)	*1.8*

Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts

Vehicle Count Summary	*A 6, MT 0, HT 0, B 0, MC 0*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*6*
Number of Vehicles - Medium Trucks	*0*
Number of Vehicles - Heavy Trucks	*0*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing south*

Site Photos

Photo	
Comments / Description	*Facing west*

Site Photos

Photo	
Comments / Description	*Facing north*

Monitoring	
Record #	*3*
Site ID	*St3*
Site Location Lat/Long	*33.791022, -118.295285*

Begin (Time)	*11:27:00*
End (Time)	*11:42:00*
Leq	*73.2*
Lmax	*85.7*
Lmin	*52.1*
Other Lx?	*L90, L50, L10*
L90	*60.2*
L50	*71.0*
L10	*76.8*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*6*
Lane Width (feet)	*10*
Roadway Width (feet)	*60*
Roadway Width (m)	*18.3*
Distance to Roadway (feet)	*10*
Distance to Roadway (m)	*3*

Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts

Vehicle Count Summary	*A 526, MT 13, HT 7, B 0, MC 0*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*526*
Number of Vehicles - Medium Trucks	*13*
Number of Vehicles - Heavy Trucks	*7*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing west*

Site Photos

Photo	
Comments / Description	*Facing east*

Site Photos

Photo	
Comments / Description	*Facing north*

Monitoring	
Record #	*4*
Site ID	*ST4*
Site Location Lat/Long	*33.787647, -118.299458*

Begin (Time)	*11:54:00*
End (Time)	*12:12:00*
Leq	*53.4*
Lmax	*75.5*
Lmin	*44.1*
Other Lx?	*L90, L50, L10*
L90	*45.8*
L50	*48.9*
L10	*55.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Aircraft, Distant Dog Barking, Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*2*
Lane Width (feet)	*10*
Roadway Width (feet)	*20*
Roadway Width (m)	*6.1*
Distance to Roadway (feet)	*6*
Distance to Roadway (m)	*1.8*

Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Description / Photos

Site Photos

Photo



Comments / Description	*Facing east*

Site Photos	
Photo	
Comments / Description	*Facing west*

Site Photos

Photo	
Comments / Description	*Facing north*

Monitoring

Record #	*5*
Site ID	*ST5*
Site Location Lat/Long	*33.789326, -118.299482*

Begin (Time)	*12:15:00*
End (Time)	*12:30:00*
Leq	*75*
Lmax	*90.4*
Lmin	*52.6*
Other Lx?	*L90, L50, L10*
L90	*63.1*
L50	*72.9*
L10	*78.2*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*6*
Lane Width (feet)	*10*
Roadway Width (feet)	*60*
Roadway Width (m)	*18.3*
Distance to Roadway (feet)	*6*
Distance to Roadway (m)	*1.8*

Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts

Vehicle Count Summary	*A 540, MT 7, HT 8, B 0, MC 0*
Select Method for Recording Count Duration	*Enter Manually*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*540*
Number of Vehicles - Medium Trucks	*7*
Number of Vehicles - Heavy Trucks	*8*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing west*

Site Photos

Photo	
Comments / Description	*Facing east*

Site Photos

Photo	
Comments / Description	*Facing north*

Monitoring	
Record #	*6*
Site ID	*St6*
Site Location Lat/Long	*33.788179, -118.297368*

Begin (Time)	*12:41:00*
End (Time)	*12:57:00*
Leq	*64.3*
Lmax	*81.8*
Lmin	*50.7*
Other Lx?	*L90, L50, L10*
L90	*53.5*
L50	*59.6*
L10	*67.9*
Other Lx (Specify Metric)	*L*
Primary Noise Source	*Traffic*
Other Noise Sources (Background)	*Distant Traffic*
Is the same instrument and calibrator being used as previously noted?	*Yes*
Are the meteorological conditions the same as previously noted?	*Yes*

Source Info and Traffic Counts	
Number of Lanes	*4*
Lane Width (feet)	*10*
Roadway Width (feet)	*40*
Roadway Width (m)	*12.2*
Distance to Roadway (feet)	*6*
Distance to Roadway (m)	*1.8*

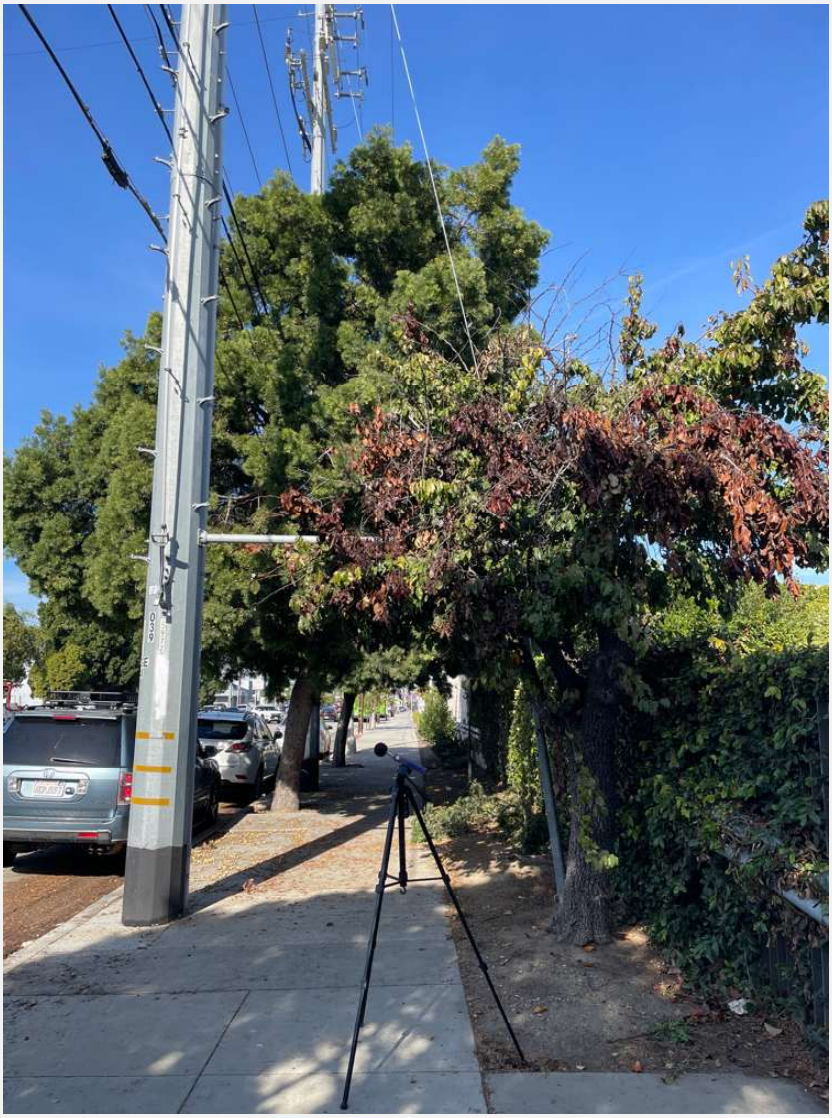
Distance Measured to Centerline or Edge of Pavement?	*Edge of Pavement*
Estimated Vehicle Speed (MPH)	*0*

Traffic Counts

Vehicle Count Summary	*A 123, MT 5, HT 1, B 0, MC 0*
Select Method for Recording Count Duration	*Enter Manually*
Counting Both Directions?	*Yes*
Count Duration (minutes)	*0*
Vehicle Count Tally	
Select Method for Vehicle Counts	*Enter Manually*
Number of Vehicles - Autos	*123*
Number of Vehicles - Medium Trucks	*5*
Number of Vehicles - Heavy Trucks	*1*
Number of Vehicles - Buses	*0*
Number of Vehicles - Motorcyles	*0*

Description / Photos

Site Photos

Photo	
Comments / Description	*Facing north*

Site Photos

Photo	
Comments / Description	*Facing south*

Site Photos

Photo	
Comments / Description	*Facing east*

Attachment B

Construction Noise Modeling Input and Output

Source to barrier distance	20
Receiver to barrier distance	20
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

8 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		40	12,9		74,5	1,6	96	67	2,2	5	8	20	20	40	20,8	20,2	40,1	0,95	12,8	11,6	3,6	0,5	0,7	12,9
	Excavator	3	75,9		40	7,9		69,9	3,2	192	71	6,2	5	8	20	20	40	20,1	20,2	40,0	0,29	7,7	13,6	5,6	0,5	0,7	7,9
	Dozer	2	80,0		40	9,3		72,6	3,2	192	72	5,3	5	8	20	20	40	20,2	20,2	40,0	0,40	9,1	13,2	5,2	0,5	0,7	9,3
				Total for Demolition Phase:							**75,0**																
Grading	Excavator	1	75,9		40	7,9		69,9	3,2	192	66	6,2	5	8	20	20	40	20,1	20,2	40,0	0,29	7,7	13,6	5,6	0,5	0,7	7,9
	Grader (passby)	1	78,5		40	8,2		72,2	3,2	192	68	6,0	5	8	20	20	40	20,1	20,2	40,0	0,31	8,0	13,5	5,5	0,5	0,7	8,2
	Dozer	1	80,0		40	9,3		72,6	3,2	192	69	5,3	5	8	20	20	40	20,2	20,2	40,0	0,40	9,1	13,2	5,2	0,5	0,7	9,3
	Front End Loader (Cyclical)	2	72,4		40	8,2		66,1	3,2	192	65	6,0	5	8	20	20	40	20,1	20,2	40,0	0,31	8,0	13,5	5,5	0,5	0,7	8,2
	Backhoe	1	75,8		40	10,4		67,4	3,2	192	63	4,5	5	8	20	20	40	20,3	20,2	40,0	0,52	10,2	12,8	4,8	0,5	0,7	10,4
				Total for Grading Phase:							**73.7**																
Building Construction Framing	Crane	1	74,2		40	5,1		71,0	1,28	76,8	63	7,7	5	8	20	20	40	20,0	20,2	40,1	0,13	5,0	14,4	6,4	0,5	0,6	5,1
	Telescopic Handler (Forklift)	3	88,3		40	12,1		78,1	1,6	96	76	3,0	5	8	20	20	40	20,6	20,2	40,0	0,79	12,0	12,0	4,0	0,5	0,7	12,1
	Generator	1	67,1		40	10,4		58,6	4	240	56	4,5	5	8	20	20	40	20,3	20,2	40,0	0,52	10,2	12,8	4,8	0,5	0,7	10,4
	Backhoe	2	75,8		40	10,4		67,4	3,2	192	66	4,5	5	8	20	20	40	20,3	20,2	40,0	0,52	10,2	12,8	4,8	0,5	0,7	10,4
	Front End Loader (Cyclical)	1	72,4		40	8,2		66,1	3,2	192	62	6,0	5	8	20	20	40	20,1	20,2	40,0	0,31	8,0	13,5	5,5	0,5	0,7	8,2
	Welding Machine	1	71,2		40	12,6		60,5	3,2	192	57	2,5	5	8	20	20	40	20,7	20,2	40,1	0,89	12,5	11,8	3,8	0,5	0,7	12,6
				Total for Building Construction Framing Phase:							**76.8**																

Source to barrier distance	20
Receiver to barrier distance	20
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

0 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		40	0,1		87,3	1,6	96	80	2,2	5	0	20	20	40	20,1	20,6	40,1	0,00	0,1	3,6	3,6	0,7	0,7	0,1
	Excavator	3	75,9		40	0,1		77,7	3,2	192	78	6,2	5	0	20	20	40	20,9	20,6	40,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Dozer	2	80,0		40	0,1		81,8	3,2	192	81	5,3	5	0	20	20	40	20,7	20,6	40,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
				Total for Demolition Phase:							**84,7**																
Grading	Excavator	1	75,9		40	0,1		77,7	3,2	192	74	6,2	5	0	20	20	40	20,9	20,6	40,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Grader (passby)	1	78,5		40	0,1		80,4	3,2	192	76	6,0	5	0	20	20	40	20,9	20,6	40,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Dozer	1	80,0		40	0,1		81,8	3,2	192	78	5,3	5	0	20	20	40	20,7	20,6	40,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
	Front End Loader (Cyclical)	2	72,4		40	0,1		74,2	3,2	192	73	6,0	5	0	20	20	40	20,9	20,6	40,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Backhoe	1	75,8		40	0,1		77,6	3,2	192	74	4,5	5	0	20	20	40	20,5	20,6	40,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
				Total for Grading Phase:							**82,3**																
Building Construction Framing	Crane	1	74,2		40	0,1		76,0	1,28	76,8	68	7,7	5	0	20	20	40	21,4	20,6	40,1	0,00	0,1	6,4	6,4	0,6	0,6	0,1
	Telescopic Handler (Forklift)	3	88,3		40	0,1		90,1	1,6	96	88	3,0	5	0	20	20	40	20,2	20,6	40,0	0,00	0,1	4,0	4,0	0,7	0,7	0,1
	Generator	1	67,1		40	0,1		68,9	4	240	66	4,5	5	0	20	20	40	20,5	20,6	40,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Backhoe	2	75,8		40	0,1		77,6	3,2	192	77	4,5	5	0	20	20	40	20,5	20,6	40,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Front End Loader (Cyclical)	1	72,4		40	0,1		74,2	3,2	192	70	6,0	5	0	20	20	40	20,9	20,6	40,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Welding Machine	1	71,2		40	0,1		73,0	3,2	192	69	2,5	5	0	20	20	40	20,2	20,6	40,1	0,00	0,1	3,8	3,8	0,7	0,7	0,1
				Total for Building Construction Framing Phase:							**88,4**																

Source to barrier distance	20
Receiver to barrier distance	55
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

8 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		75	12,1		67,8	1,6	96	61	2,2	5	8	20	55	75	20,8	55,1	75,1	0,85	12,3	11,6	3,6	0,5	0,7	12,1
	Excavator	3	75,9		75	5,1		66,8	3,2	192	68	6,2	5	8	20	55	75	20,1	55,1	75,0	0,15	5,4	13,6	5,6	0,5	0,7	5,1
	Dozer	2	80,0		75	7,1		68,6	3,2	192	68	5,3	5	8	20	55	75	20,2	55,1	75,0	0,26	7,4	13,2	5,2	0,5	0,7	7,1
								Total for Demolition Phase:			**71.1**															
Grading	Excavator	1	75,9		75	5,1		66,8	3,2	192	63	6,2	5	8	20	55	75	20,1	55,1	75,0	0,15	5,4	13,6	5,6	0,5	0,7	5,1
	Grader (passby)	1	78,5		75	5,6		69,0	3,2	192	65	6,0	5	8	20	55	75	20,1	55,1	75,0	0,17	5,8	13,5	5,5	0,5	0,7	5,6
	Dozer	1	80,0		75	7,1		68,6	3,2	192	65	5,3	5	8	20	55	75	20,2	55,1	75,0	0,26	7,4	13,2	5,2	0,5	0,7	7,1
	Front End Loader (Cyclical)	2	72,4		75	5,6		62,8	3,2	192	62	6,0	5	8	20	55	75	20,1	55,1	75,0	0,17	5,8	13,5	5,5	0,5	0,7	5,6
	Backhoe	1	75,8		75	8,7		62,6	3,2	192	59	4,5	5	8	20	55	75	20,3	55,1	75,0	0,38	8,9	12,8	4,8	0,5	0,7	8,7
								Total for Grading Phase:			**70.1**															
Building Construction Framing	Crane	1	74,2		75	1,5		69,1	1,28	76,8	61	7,7	5	8	20	55	75	20,0	55,1	75,0	0,04	1,8	14,4	6,4	0,5	0,6	1,5
	Telescopic Handler (Forklift)	3	88,3		75	11,1		72,1	1,6	96	70	3,0	5	8	20	55	75	20,6	55,1	75,0	0,67	11,3	12,0	4,0	0,5	0,7	11,1
	Generator	1	67,1		75	8,7		53,8	4	240	51	4,5	5	8	20	55	75	20,3	55,1	75,0	0,38	8,9	12,8	4,8	0,5	0,7	8,7
	Backhoe	2	75,8		75	8,7		62,6	3,2	192	62	4,5	5	8	20	55	75	20,3	55,1	75,0	0,38	8,9	12,8	4,8	0,5	0,7	8,7
	Front End Loader (Cyclical)	1	72,4		75	5,6		62,8	3,2	192	59	6,0	5	8	20	55	75	20,1	55,1	75,0	0,17	5,8	13,5	5,5	0,5	0,7	5,6
	Welding Machine	1	71,2		75	11,7		54,1	3,2	192	50	2,5	5	8	20	55	75	20,7	55,1	75,0	0,78	11,9	11,8	3,8	0,5	0,7	11,7
								Total for Building Construction Framing Phase:			**71.3**															

Source to barrier distance	20
Receiver to barrier distance	55
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

0 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		75	0,1		79,9	1,6	96	73	2,2	5	0	20	55	75	20,1	55,2	75,1	0,00	0,1	3,6	3,6	0,7	0,7	0,1
	Excavator	3	75,9		75	0,1		71,9	3,2	192	73	6,2	5	0	20	55	75	20,9	55,2	75,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Dozer	2	80,0		75	0,1		75,6	3,2	192	75	5,3	5	0	20	55	75	20,7	55,2	75,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
				Total for Demolition Phase:							**78,3**																
Grading	Excavator	1	75,9		75	0,1		71,9	3,2	192	68	6,2	5	0	20	55	75	20,9	55,2	75,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Grader (passby)	1	78,5		75	0,1		74,5	3,2	192	70	6,0	5	0	20	55	75	20,9	55,2	75,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Dozer	1	80,0		75	0,1		75,6	3,2	192	72	5,3	5	0	20	55	75	20,7	55,2	75,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
	Front End Loader (Cyclical)	2	72,4		75	0,1		68,3	3,2	192	67	6,0	5	0	20	55	75	20,9	55,2	75,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Backhoe	1	75,8		75	0,1		71,2	3,2	192	67	4,5	5	0	20	55	75	20,5	55,2	75,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
				Total for Grading Phase:							**76.3**																
Building Construction Framing	Crane	1	74,2		75	0,1		70,5	1,28	76,8	63	7,7	5	0	20	55	75	21,4	55,2	75,0	0,00	0,1	6,4	6,4	0,6	0,6	0,1
	Telescopic Handler (Forklift)	3	88,3		75	0,1		83,1	1,6	96	81	3,0	5	0	20	55	75	20,2	55,2	75,0	0,00	0,1	4,0	4,0	0,7	0,7	0,1
	Generator	1	67,1		75	0,1		62,4	4	240	59	4,5	5	0	20	55	75	20,5	55,2	75,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Backhoe	2	75,8		75	0,1		71,2	3,2	192	70	4,5	5	0	20	55	75	20,5	55,2	75,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Front End Loader (Cyclical)	1	72,4		75	0,1		68,3	3,2	192	64	6,0	5	0	20	55	75	20,9	55,2	75,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Welding Machine	1	71,2		75	0,1		65,7	3,2	192	62	2,5	5	0	20	55	75	20,2	55,2	75,0	0,00	0,1	3,8	3,8	0,7	0,7	0,1
				Total for Building Construction Framing Phase:							**81.4**																

Source to barrier distance	20
Receiver to barrier distance	310
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

8 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		330	11,2		53,1	1,6	96	46	2,2	5	8	20	310	330	20,8	310,0	330,0	0,83	12,2	11,6	3,6	0,5	0,7	11,2
	Excavator	3	75,9		330	2,7		52,4	3,2	192	53	6,2	5	8	20	310	330	20,1	310,0	330,0	0,09	3,8	13,6	5,6	0,5	0,7	2,7
	Dozer	2	80,0		330	5,1		54,0	3,2	192	53	5,3	5	8	20	310	330	20,2	310,0	330,0	0,20	6,2	13,2	5,2	0,5	0,7	5,1
							Total for Demolition Phase:				**56,5**																
Grading	Excavator	1	75,9		330	2,7		52,4	3,2	192	48	6,2	5	8	20	310	330	20,1	310,0	330,0	0,09	3,8	13,6	5,6	0,5	0,7	2,7
	Grader (passby)	1	78,5		330	3,2		54,4	3,2	192	50	6,0	5	8	20	310	330	20,1	310,0	330,0	0,11	4,4	13,5	5,5	0,5	0,7	3,2
	Dozer	1	80,0		330	5,1		54,0	3,2	192	50	5,3	5	8	20	310	330	20,2	310,0	330,0	0,20	6,2	13,2	5,2	0,5	0,7	5,1
	Front End Loader (Cyclical)	2	72,4		330	3,2		48,3	3,2	192	47	6,0	5	8	20	310	330	20,1	310,0	330,0	0,11	4,4	13,5	5,5	0,5	0,7	3,2
	Backhoe	1	75,8		330	7,0		47,9	3,2	192	44	4,5	5	8	20	310	330	20,3	310,0	330,0	0,32	8,1	12,8	4,8	0,5	0,7	7,0
							Total for Grading Phase:				**55.5**																
Building Construction Framing	Crane	1	74,2		330	0,0		53,4	1,28	76,8	45	7,7	5	8	20	310	330	20,0	310,0	330,0	0,01	0,3	14,4	6,4	0,5	0,6	0,0
	Telescopic Handler (Forklift)	3	88,3		330	9,9		57,3	1,6	96	55	3,0	5	8	20	310	330	20,6	310,0	330,0	0,62	11,0	12,0	4,0	0,5	0,7	9,9
	Generator	1	67,1		330	7,0		39,1	4	240	36	4,5	5	8	20	310	330	20,3	310,0	330,0	0,32	8,1	12,8	4,8	0,5	0,7	7,0
	Backhoe	2	75,8		330	7,0		47,9	3,2	192	47	4,5	5	8	20	310	330	20,3	310,0	330,0	0,32	8,1	12,8	4,8	0,5	0,7	7,0
	Front End Loader (Cyclical)	1	72,4		330	3,2		48,3	3,2	192	44	6,0	5	8	20	310	330	20,1	310,0	330,0	0,11	4,4	13,5	5,5	0,5	0,7	3,2
	Welding Machine	1	71,2		330	10,8		39,4	3,2	192	35	2,5	5	8	20	310	330	20,7	310,0	330,0	0,75	11,7	11,8	3,8	0,5	0,7	10,8
							Total for Building Construction Framing Phase:				**56.5**																

Source to barrier distance	20
Receiver to barrier distance	310
Receiver height	5

noise level limit for construction phase at residential land use, per County guidance = 80

allowable hours over which Leq is to be averaged = 8

0 = temporary barrier (TB) of input height inserted between source and receptor

Construction Activity	Equipment	Total Equipment Qty	Reference Level @ 50 ft. from FHWA RCNM 2 Table	Client Equipment Description, Data Source and/or Notes	Source to NSR Distance (ft.)	*Temporary Barrier Insertion Loss (dB)*	*Additional Noise Reduction*	Distance-Adjusted Leq	Allowable Operation Time (hours)	Allowable Operation Time (minutes)	Predicted 8-hour Leq	Source Elevation (ft)	Receiver Elevation (ft)	Barrier Height (ft)	Source to Barr. ("A") Horiz. (ft)	Rcvr. to Barr. ("B") Horiz. (ft)	Source to Rcvr. ("C") Horiz. (ft)	"A" (ft)	"B" (ft)	"C" (ft)	Path Length Diff. "P" (ft)	Abarr (dB)	Heff (with barrier)	Heff (wout barrier)	G (with barrier)	G (without barrier)	ILbarr (dB)
Demolition	Concrete Saw	1	85,4		330	0,1		64,3	1,6	96	57	2,2	5	0	20	310	330	20,1	310,0	330,0	0,00	0,1	3,6	3,6	0,7	0,7	0,1
	Excavator	3	75,9		330	0,1		54,9	3,2	192	56	6,2	5	0	20	310	330	20,9	310,0	330,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Dozer	2	80,0		330	0,1		59,0	3,2	192	58	5,3	5	0	20	310	330	20,7	310,0	330,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
				Total for Demolition Phase:							**61,9**																
Grading	Excavator	1	75,9		330	0,1		54,9	3,2	192	51	6,2	5	0	20	310	330	20,9	310,0	330,0	0,00	0,1	5,6	5,6	0,7	0,7	0,1
	Grader (passby)	1	78,5		330	0,1		57,6	3,2	192	54	6,0	5	0	20	310	330	20,9	310,0	330,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Dozer	1	80,0		330	0,1		59,0	3,2	192	55	5,3	5	0	20	310	330	20,7	310,0	330,0	0,00	0,1	5,2	5,2	0,7	0,7	0,1
	Front End Loader (Cyclical)	2	72,4		330	0,1		51,4	3,2	192	50	6,0	5	0	20	310	330	20,9	310,0	330,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Backhoe	1	75,8		330	0,1		54,8	3,2	192	51	4,5	5	0	20	310	330	20,5	310,0	330,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
				Total for Grading Phase:							**59.6**																
Building Construction Framing	Crane	1	74,2		330	0,1		53,4	1,28	76,8	45	7,7	5	0	20	310	330	21,4	310,0	330,0	0,00	0,1	6,4	6,4	0,6	0,6	0,1
	Telescopic Handler (Forklift)	3	88,3		330	0,1		67,2	1,6	96	65	3,0	5	0	20	310	330	20,2	310,0	330,0	0,00	0,1	4,0	4,0	0,7	0,7	0,1
	Generator	1	67,1		330	0,1		46,1	4	240	43	4,5	5	0	20	310	330	20,5	310,0	330,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Backhoe	2	75,8		330	0,1		54,8	3,2	192	54	4,5	5	0	20	310	330	20,5	310,0	330,0	0,00	0,1	4,8	4,8	0,7	0,7	0,1
	Front End Loader (Cyclical)	1	72,4		330	0,1		51,4	3,2	192	47	6,0	5	0	20	310	330	20,9	310,0	330,0	0,00	0,1	5,5	5,5	0,7	0,7	0,1
	Welding Machine	1	71,2		330	0,1		50,1	3,2	192	46	2,5	5	0	20	310	330	20,2	310,0	330,0	0,00	0,1	3,8	3,8	0,7	0,7	0,1
				Total for Building Construction Framing Phase:							**65.5**																

Attachment C

Traffic Noise Calculations

Dudek 17 November 2021
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Exist

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Frampton Ave S of 259th St	36.0	point31	31	1,610.3	1,282.3	100.00				Average	
		point21	21	1,610.3	1,937.6	100.00					
Belle Porte Ave S of 259th St	55.0	point33	33	1,242.2	1,281.3	100.00				Average	
		point15	15	1,231.2	1,917.7	100.00					
259th St W of Belle Porte Ave	40.0	point35	35	450.1	1,925.4	100.00				Average	
		point11	11	754.6	1,930.9	100.00				Average	
		point12	12	1,235.4	1,930.9	100.00					
Pacific Coast Hwy W of Belle Porte Ave	70.0	point1	1	465.8	2,404.0	100.00				Average	
		point3	3	754.5	2,397.5	100.00				Average	
		point4	4	1,229.0	2,400.7	100.00					
Belle Porte Ave N of PCH	55.0	point39	39	1,229.3	2,413.2	100.00				Average	
		point19	19	1,234.7	2,968.8	100.00					
Frampton Ave N of PCH	36.0	point41	41	1,616.7	2,415.9	100.00				Average	
		point24	24	1,614.4	2,986.0	100.00					
Belle Porte Ave N of 259th St	55.0	point43	43	1,231.0	1,947.0	100.00				Average	
		point17	17	1,231.0	2,387.9	100.00					
Pacific Coast Hwy E of Belle Porte Ave	70.0	point44	44	1,229.0	2,400.7	100.00				Average	
		point5	5	1,612.6	2,397.9	100.00					
Pacific Coast Hwy E of Frampton Ave	70.0	point45	45	1,612.6	2,397.9	100.00				Average	
		point6	6	1,817.3	2,412.7	100.00				Average	
		point7	7	1,972.6	2,442.3	100.00				Average	
		point8	8	2,156.3	2,491.5	100.00				Average	
		point37	37	2,329.5	2,560.8	100.00				Average	
		point26	26	2,828.3	2,770.2	100.00				Average	
		point27	27	3,065.2	2,841.8	100.00				Average	

		point28	28	3,321.5	2,894.2	100.00	Average
		point29	29	3,544.7	2,902.5	100.00	Average
		point2	2	3,897.4	2,908.0	100.00	
259th St E of Belle Porte Ave	40.0	point46	46	1,235.4	1,930.9	100.00	Average
		point13	13	1,600.5	1,930.9	100.00	
Frampton Ave N of 259th St	36.0	point47	47	1,610.3	1,937.6	100.00	Average
		point22	22	1,618.1	2,385.4	100.00	

Dudek 17 November
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Exist

Roadway Name	Points Name	No.	Segment Total Volume veh/hr	Autos P %	Autos S mph	MTrucks P %	MTrucks S mph	HTrucks P %	HTrucks S mph	Buses P %	Buses S mph	Motorcycles P %	Motorcycles S mph
Frampton Ave S of 259th St	point31	31	170	97	25	2	25	1	20	0	0	0	0
	point21	21											
Belle Porte Ave S of 259th St	point33	33	142	97	35	2	35	1	30	0	0	0	0
	point15	15											
259th St W of Belle Porte Ave	point35	35	59	0	0	0	0	0	0	0	0	0	0
	point11	11	59	97	25	2	25	1	20	0	0	0	0
	point12	12											
Pacific Coast Hwy W of Belle Porte Ave	point1	1	3297	97	35	2	35	1	30	0	0	0	0
	point3	3	3297	97	35	2	35	1	30	0	0	0	0
	point4	4											
Belle Porte Ave N of PCH	point39	39	228	97	35	2	35	1	30	0	0	0	0
	point19	19											
Frampton Ave N of PCH	point41	41	66	97	25	2	25	1	20	0	0	0	0
	point24	24											
Belle Porte Ave N of 259th St	point43	43	233	97	35	2	35	1	30	0	0	0	0
	point17	17											
Pacific Coast Hwy E of Belle Porte Ave	point44	44	3368	97	35	2	35	1	30	0	0	0	0
	point5	5											
Pacific Coast Hwy E of Frampton Ave	point45	45	3430	97	40	2	40	1	35	0	0	0	0
	point6	6	3430	97	40	2	40	1	35	0	0	0	0
	point7	7	3430	97	40	2	40	1	35	0	0	0	0
	point8	8	3430	97	40	2	40	1	35	0	0	0	0
	point37	37	3430	97	40	2	40	1	35	0	0	0	0

	point26	26	3430	97	40	2	40	1	35	0	0	0	0
	point27	27	3430	97	40	2	40	1	35	0	0	0	0
	point28	28	3430	97	40	2	40	1	35	0	0	0	0
	point29	29	3430	97	40	2	40	1	35	0	0	0	0
	point2	2											
259th St E of Belle Porte Ave	point46	46	86	97	25	2	25	1	20	0	0	0	0
	point13	13											
Frampton Ave N of 259th St	point47	47	131	97	25	2	25	1	20	0	0	0	0
	point22	22											

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17 November 2021
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Exist

Receiver Name	No.	#DUs	Coordinates (ground) X ft	Y ft	Z ft	Height above Ground ft	Input Sound Levels and Criteria: Existing LAeq1h dBA	Impact Criteria LAeq1h dBA	Impact Criteria Sub'l dB	NR Goal dB	Active in Calc.
ST1	1	1	1,184.6	2,454.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,585.5	2,616.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	3,010.9	2,864.8	100.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,752.5	1,728.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,806.3	2,370.2	100.00	5.00	0.00	66	10.0	8.0	Y
M1	6	1	1,643.3	1,716.3	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 17 November 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Exist

Barrier Name	Type	Height Min ft	Height Max ft	If Wall $ per Unit Area $/sq ft	If Berm $ per Unit Vol. $/cu yd	Top Width ft	Run:Rise ft:ft	Add'tnl $ per Unit Length $/ft	Points Name	No.	Coordinates (bottom) X ft	Y ft	Z ft	Height at Point ft	Segment Seg Ht Increment ft	#Up	#Dn	On Struct?	Important Reflections?
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,760.9	2,901.5	100.00	25.00	0.00	0	0		
									point2	2	2,764.6	2,838.8	100.00	25.00	0.00	0	0		
									point3	3	2,015.4	2,562.0	100.00	25.00	0.00	0	0		
									point4	4	1,985.8	3,010.1	100.00	25.00					
Barrier2	W	0.00	99.99	0.00				0.00	point5	5	2,779.4	2,611.4	100.00	25.00	0.00	0	0		
									point6	6	1,856.7	2,264.5	100.00	25.00	0.00	0	0		
									point7	7	1,845.6	1,744.1	100.00	25.00					
Barrier3	W	0.00	99.99	0.00				0.00	point8	8	1,539.3	2,895.6	100.00	25.00	0.00	0	0		
									point9	9	1,546.6	2,445.4	100.00	25.00	0.00	0	0		
									point10	10	1,354.7	2,445.4	100.00	25.00					
Barrier4	W	0.00	99.99	0.00				0.00	point11	11	1,358.4	2,330.9	100.00	25.00	0.00	0	0		
									point12	12	1,565.1	2,330.9	100.00	25.00	0.00	0	0		
									point13	13	1,565.1	1,995.1	100.00	25.00	0.00	0	0		
									point14	14	1,288.3	2,002.5	100.00	25.00					
Barrier5	W	0.00	99.99	0.00				0.00	point15	15	561.2	2,334.6	100.00	25.00	0.00	0	0		
									point16	16	1,155.4	2,330.9	100.00	25.00	0.00	0	0		
									point17	17	1,151.7	2,020.9	100.00	25.00	0.00	0	0		
									point18	18	627.6	2,028.3	100.00	25.00					
Barrier6	W	0.00	99.99	0.00				0.00	point19	19	1,561.4	1,408.3	100.00	25.00	0.00	0	0		
									point20	20	1,568.8	1,862.2	100.00	25.00	0.00	0	0		
									point21	21	1,277.2	1,865.9	100.00	25.00					

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17 November 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Exist
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	With Barrier Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
ST2	2	1	0.0	61.4	66	61.4	10	----	61.4	0.0	8	-8.0
ST3	3	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0
ST4	4	1	0.0	49.8	66	49.8	10	----	49.8	0.0	8	-8.0
ST5	5	1	0.0	72.1	66	72.1	10	Snd Lvl	72.1	0.0	8	-8.0
M1	6	1	0.0	55.8	66	55.8	10	----	55.8	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min dB	Noise Reduction Avg dB	Noise Reduction Max dB
All Selected	6	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 17 November 2021
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Ex w P

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Frampton Ave S of 259th St	36.0	point31	31	1,610.3	1,282.3	100.00				Average	
		point21	21	1,610.3	1,937.6	100.00					
Belle Porte Ave S of 259th St	55.0	point33	33	1,242.2	1,281.3	100.00				Average	
		point15	15	1,231.2	1,917.7	100.00					
259th St W of Belle Porte Ave	40.0	point35	35	450.1	1,925.4	100.00				Average	
		point11	11	754.6	1,930.9	100.00				Average	
		point12	12	1,235.4	1,930.9	100.00					
Pacific Coast Hwy W of Belle Porte Ave	70.0	point1	1	465.8	2,404.0	100.00				Average	
		point3	3	754.5	2,397.5	100.00				Average	
		point4	4	1,229.0	2,400.7	100.00					
Belle Porte Ave N of PCH	55.0	point39	39	1,229.3	2,413.2	100.00				Average	
		point19	19	1,234.7	2,968.8	100.00					
Frampton Ave N of PCH	36.0	point41	41	1,616.7	2,415.9	100.00				Average	
		point24	24	1,614.4	2,986.0	100.00					
Belle Porte Ave N of 259th St	55.0	point43	43	1,231.0	1,947.0	100.00				Average	
		point17	17	1,231.0	2,387.9	100.00					
Pacific Coast Hwy E of Belle Porte Ave	70.0	point44	44	1,229.0	2,400.7	100.00				Average	
		point5	5	1,612.6	2,397.9	100.00					
Pacific Coast Hwy E of Frampton Ave	70.0	point45	45	1,612.6	2,397.9	100.00				Average	
		point6	6	1,817.3	2,412.7	100.00				Average	
		point7	7	1,972.6	2,442.3	100.00				Average	
		point8	8	2,156.3	2,491.5	100.00				Average	
		point37	37	2,329.5	2,560.8	100.00				Average	
		point26	26	2,828.3	2,770.2	100.00				Average	
		point27	27	3,065.2	2,841.8	100.00				Average	

		point28	28	3,321.5	2,894.2	100.00	Average
		point29	29	3,544.7	2,902.5	100.00	Average
		point2	2	3,897.4	2,908.0	100.00	
259th St E of Belle Porte Ave	40.0	point46	46	1,235.4	1,930.9	100.00	Average
		point13	13	1,600.5	1,930.9	100.00	
Frampton Ave N of 259th St	36.0	point47	47	1,610.3	1,937.6	100.00	Average
		point22	22	1,618.1	2,385.4	100.00	

Dudek 17 November
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Ex w P

Roadway Name	Points Name	No.	Segment Total Volume veh/hr	Autos P %	Autos S mph	MTrucks P %	MTrucks S mph	HTrucks P %	HTrucks S mph	Buses P %	Buses S mph	Motorcycles P %	Motorcycles S mph
Frampton Ave S of 259th St	point31	31	188	97	25	2	25	1	20	0	0	0	0
	point21	21											
Belle Porte Ave S of 259th St	point33	33	142	97	35	2	35	1	30	0	0	0	0
	point15	15											
259th St W of Belle Porte Ave	point35	35	69	97	25	2	25	1	20	0	0	0	0
	point11	11	69	97	25	2	25	1	20	0	0	0	0
	point12	12											
Pacific Coast Hwy W of Belle Porte Ave	point1	1	3335	97	35	2	35	1	30	0	0	0	0
	point3	3	3335	97	35	2	35	1	30	0	0	0	0
	point4	4											
Belle Porte Ave N of PCH	point39	39	228	97	35	2	35	1	30	0	0	0	0
	point19	19											
Frampton Ave N of PCH	point41	41	66	97	25	2	25	1	20	0	0	0	0
	point24	24											
Belle Porte Ave N of 259th St	point43	43	266	97	35	2	35	1	30	0	0	0	0
	point17	17											
Pacific Coast Hwy E of Belle Porte Ave	point44	44	3385	97	35	2	35	1	30	0	0	0	0
	point5	5											
Pacific Coast Hwy E of Frampton Ave	point45	45	3492	97	40	2	40	1	35	0	0	0	0
	point6	6	3492	97	40	2	40	1	35	0	0	0	0
	point7	7	3492	97	40	2	40	1	35	0	0	0	0
	point8	8	3492	97	40	2	40	1	35	0	0	0	0
	point37	37	3492	97	40	2	40	1	35	0	0	0	0

	point26	26	3492	97	40	2	40	1	35	0	0	0	0
	point27	27	3492	97	40	2	40	1	35	0	0	0	0
	point28	28	3492	97	40	2	40	1	35	0	0	0	0
	point29	29	3492	97	40	2	40	1	35	0	0	0	0
	point2	2											
259th St E of Belle Porte Ave	point46	46	129	97	25	2	25	1	20	0	0	0	0
	point13	13											
Frampton Ave N of 259th St	point47	47	200	97	25	2	25	1	20	0	0	0	0
	point22	22											

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MG

17 November 2021
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Ex w P

Receiver Name	No.	#DUs	Coordinates (ground) X ft	Y ft	Z ft	Height above Ground ft	Input Sound Levels and Criteria: Existing LAeq1h dBA	Impact Criteria LAeq1h dBA	Impact Criteria Sub'l dB	NR Goal dB	Active in Calc.
ST1	1	1	1,184.6	2,454.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,585.5	2,616.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	3,010.9	2,864.8	100.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,752.5	1,728.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,806.3	2,370.2	100.00	5.00	0.00	66	10.0	8.0	Y
M1	6	1	1,643.3	1,716.3	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 17 November 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Ex w P

Barrier Name	Type	Height Min ft	Height Max ft	If Wall $ per Unit Area $/sq ft	If Berm $ per Unit Vol. $/cu yd	Top Width ft	Run:Rise ft:ft	Add'tnl $ per Unit Length $/ft	Points Name	No.	Coordinates (bottom) X ft	Y ft	Z ft	Height at Point ft	Segment Seg Ht Increment ft	#Up	#Dn	On Struct?	Important Reflections?
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,760.9	2,901.5	100.00	25.00	0.00	0	0		
									point2	2	2,764.6	2,838.8	100.00	25.00	0.00	0	0		
									point3	3	2,015.4	2,562.0	100.00	25.00	0.00	0	0		
									point4	4	1,985.8	3,010.1	100.00	25.00					
Barrier2	W	0.00	99.99	0.00				0.00	point5	5	2,779.4	2,611.4	100.00	25.00	0.00	0	0		
									point6	6	1,856.7	2,264.5	100.00	25.00	0.00	0	0		
									point7	7	1,845.6	1,744.1	100.00	25.00					
Barrier3	W	0.00	99.99	0.00				0.00	point8	8	1,539.3	2,895.6	100.00	25.00	0.00	0	0		
									point9	9	1,546.6	2,445.4	100.00	25.00	0.00	0	0		
									point10	10	1,354.7	2,445.4	100.00	25.00					
Barrier4	W	0.00	99.99	0.00				0.00	point11	11	1,358.4	2,330.9	100.00	25.00	0.00	0	0		
									point12	12	1,565.1	2,330.9	100.00	25.00	0.00	0	0		
									point13	13	1,565.1	1,995.1	100.00	25.00	0.00	0	0		
									point14	14	1,288.3	2,002.5	100.00	25.00					
Barrier5	W	0.00	99.99	0.00				0.00	point15	15	561.2	2,334.6	100.00	25.00	0.00	0	0		
									point16	16	1,155.4	2,330.9	100.00	25.00	0.00	0	0		
									point17	17	1,151.7	2,020.9	100.00	25.00	0.00	0	0		
									point18	18	627.6	2,028.3	100.00	25.00					
Barrier6	W	0.00	99.99	0.00				0.00	point19	19	1,561.4	1,408.3	100.00	25.00	0.00	0	0		
									point20	20	1,568.8	1,862.2	100.00	25.00	0.00	0	0		
									point21	21	1,277.2	1,865.9	100.00	25.00					

Dudek
MG

17 November 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Ex w P
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	With Barrier Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.5	66	69.5	10	Snd Lvl	69.5	0.0	8	-8.0
ST2	2	1	0.0	61.5	66	61.5	10	----	61.5	0.0	8	-8.0
ST3	3	1	0.0	72.7	66	72.7	10	Snd Lvl	72.7	0.0	8	-8.0
ST4	4	1	0.0	50.2	66	50.2	10	----	50.2	0.0	8	-8.0
ST5	5	1	0.0	72.1	66	72.1	10	Snd Lvl	72.1	0.0	8	-8.0
M1	6	1	0.0	56.3	66	56.3	10	----	56.3	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min dB	Noise Reduction Avg dB	Noise Reduction Max dB
All Selected	6	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 17 November 2021
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Future

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Frampton Ave S of 259th St	36.0	point31	31	1,610.3	1,282.3	100.00				Average	
		point21	21	1,610.3	1,937.6	100.00					
Belle Porte Ave S of 259th St	55.0	point33	33	1,242.2	1,281.3	100.00				Average	
		point15	15	1,231.2	1,917.7	100.00					
259th St W of Belle Porte Ave	40.0	point35	35	450.1	1,925.4	100.00				Average	
		point11	11	754.6	1,930.9	100.00				Average	
		point12	12	1,235.4	1,930.9	100.00					
Pacific Coast Hwy W of Belle Porte Ave	70.0	point1	1	465.8	2,404.0	100.00				Average	
		point3	3	754.5	2,397.5	100.00				Average	
		point4	4	1,229.0	2,400.7	100.00					
Belle Porte Ave N of PCH	55.0	point39	39	1,229.3	2,413.2	100.00				Average	
		point19	19	1,234.7	2,968.8	100.00					
Frampton Ave N of PCH	36.0	point41	41	1,616.7	2,415.9	100.00				Average	
		point24	24	1,614.4	2,986.0	100.00					
Belle Porte Ave N of 259th St	55.0	point43	43	1,231.0	1,947.0	100.00				Average	
		point17	17	1,231.0	2,387.9	100.00					
Pacific Coast Hwy E of Belle Porte Ave	70.0	point44	44	1,229.0	2,400.7	100.00				Average	
		point5	5	1,612.6	2,397.9	100.00					
Pacific Coast Hwy E of Frampton Ave	70.0	point45	45	1,612.6	2,397.9	100.00				Average	
		point6	6	1,817.3	2,412.7	100.00				Average	
		point7	7	1,972.6	2,442.3	100.00				Average	
		point8	8	2,156.3	2,491.5	100.00				Average	
		point37	37	2,329.5	2,560.8	100.00				Average	
		point26	26	2,828.3	2,770.2	100.00				Average	
		point27	27	3,065.2	2,841.8	100.00				Average	

		point28	28	3,321.5	2,894.2	100.00	Average
		point29	29	3,544.7	2,902.5	100.00	Average
		point2	2	3,897.4	2,908.0	100.00	
259th St E of Belle Porte Ave	40.0	point46	46	1,235.4	1,930.9	100.00	Average
		point13	13	1,600.5	1,930.9	100.00	
Frampton Ave N of 259th St	36.0	point47	47	1,610.3	1,937.6	100.00	Average
		point22	22	1,618.1	2,385.4	100.00	

Dudek 17 November
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Future

Roadway Name	Points Name	No.	Segment Total Volume veh/hr	Autos P %	Autos S mph	MTrucks P %	MTrucks S mph	HTrucks P %	HTrucks S mph	Buses P %	Buses S mph	Motorcycles P %	Motorcycles S mph
Frampton Ave S of 259th St	point31	31	179	97	25	2	25	1	20	0	0	0	0
	point21	21											
Belle Porte Ave S of 259th St	point33	33	149	97	35	2	35	1	30	0	0	0	0
	point15	15											
259th St W of Belle Porte Ave	point35	35	62	97	25	2	25	1	20	0	0	0	0
	point11	11	62	97	25	2	25	1	20	0	0	0	0
	point12	12											
Pacific Coast Hwy W of Belle Porte Ave	point1	1	3486	97	35	2	35	1	30	0	0	0	0
	point3	3	3486	97	35	2	35	1	30	0	0	0	0
	point4	4											
Belle Porte Ave N of PCH	point39	39	240	97	35	2	35	1	30	0	0	0	0
	point19	19											
Frampton Ave N of PCH	point41	41	69	97	25	2	25	1	20	0	0	0	0
	point24	24											
Belle Porte Ave N of 259th St	point43	43	245	97	35	2	35	1	30	0	0	0	0
	point17	17											
Pacific Coast Hwy E of Belle Porte Ave	point44	44	3561	97	35	2	35	1	30	0	0	0	0
	point5	5											
Pacific Coast Hwy E of Frampton Ave	point45	45	3626	97	40	2	40	1	35	0	0	0	0
	point6	6	3626	97	40	2	40	1	35	0	0	0	0
	point7	7	3626	97	40	2	40	1	35	0	0	0	0
	point8	8	3626	97	40	2	40	1	35	0	0	0	0
	point37	37	3626	97	40	2	40	1	35	0	0	0	0

	point26	26	3626	97	40	2	40	1	35	0	0	0	0
	point27	27	3626	97	40	2	40	1	35	0	0	0	0
	point28	28	3626	97	40	2	40	1	35	0	0	0	0
	point29	29	3626	97	40	2	40	1	35	0	0	0	0
	point2	2											
259th St E of Belle Porte Ave	point46	46	91	97	25	2	25	1	20	0	0	0	0
	point13	13											
Frampton Ave N of 259th St	point47	47	138	97	25	2	25	1	20	0	0	0	0
	point22	22											

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17 November 2021
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Future

Receiver Name	No.	#DUs	Coordinates (ground) X	Y	Z	Height above Ground	Input Sound Levels and Criteria Existing LAeq1h	Impact Criteria LAeq1h	Sub'l	NR Goal	Active in Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
ST1	1	1	1,184.6	2,454.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,585.5	2,616.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	3,010.9	2,864.8	100.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,752.5	1,728.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,806.3	2,370.2	100.00	5.00	0.00	66	10.0	8.0	Y
M1	6	1	1,643.3	1,716.3	100.00	5.00	0.00	66	10.0	8.0	Y

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MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Future

Barrier Name	Type	Height Min ft	Height Max ft	If Wall $ per Unit Area $/sq ft	If Berm $ per Unit Vol. $/cu yd	Top Width ft	Run:Rise ft:ft	Add'tnl $ per Unit Length $/ft	Points Name	No.	Coordinates (bottom) X ft	Y ft	Z ft	Height at Point ft	Segment Seg Ht Increment ft	#Up	#Dn	On Struct?	Important Reflections?
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,760.9	2,901.5	100.00	25.00	0.00	0	0		
									point2	2	2,764.6	2,838.8	100.00	25.00	0.00	0	0		
									point3	3	2,015.4	2,562.0	100.00	25.00	0.00	0	0		
									point4	4	1,985.8	3,010.1	100.00	25.00					
Barrier2	W	0.00	99.99	0.00				0.00	point5	5	2,779.4	2,611.4	100.00	25.00	0.00	0	0		
									point6	6	1,856.7	2,264.5	100.00	25.00	0.00	0	0		
									point7	7	1,845.6	1,744.1	100.00	25.00					
Barrier3	W	0.00	99.99	0.00				0.00	point8	8	1,539.3	2,895.6	100.00	25.00	0.00	0	0		
									point9	9	1,546.6	2,445.4	100.00	25.00	0.00	0	0		
									point10	10	1,354.7	2,445.4	100.00	25.00					
Barrier4	W	0.00	99.99	0.00				0.00	point11	11	1,358.4	2,330.9	100.00	25.00	0.00	0	0		
									point12	12	1,565.1	2,330.9	100.00	25.00	0.00	0	0		
									point13	13	1,565.1	1,995.1	100.00	25.00	0.00	0	0		
									point14	14	1,288.3	2,002.5	100.00	25.00					
Barrier5	W	0.00	99.99	0.00				0.00	point15	15	561.2	2,334.6	100.00	25.00	0.00	0	0		
									point16	16	1,155.4	2,330.9	100.00	25.00	0.00	0	0		
									point17	17	1,151.7	2,020.9	100.00	25.00	0.00	0	0		
									point18	18	627.6	2,028.3	100.00	25.00					
Barrier6	W	0.00	99.99	0.00				0.00	point19	19	1,561.4	1,408.3	100.00	25.00	0.00	0	0		
									point20	20	1,568.8	1,862.2	100.00	25.00	0.00	0	0		
									point21	21	1,277.2	1,865.9	100.00	25.00					

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17 November 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City - Future
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	With Barrier Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.7	66	69.7	10	Snd Lvl	69.7	0.0	8	-8.0
ST2	2	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0
ST3	3	1	0.0	72.8	66	72.8	10	Snd Lvl	72.8	0.0	8	-8.0
ST4	4	1	0.0	50.0	66	50.0	10	----	50.0	0.0	8	-8.0
ST5	5	1	0.0	72.3	66	72.3	10	Snd Lvl	72.3	0.0	8	-8.0
M1	6	1	0.0	56.0	66	56.0	10	----	56.0	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min dB	Noise Reduction Avg dB	Noise Reduction Max dB
All Selected	6	0.0	0.0	0.0
All Impacted	3	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Dudek 17 November 2021
MG TNM 2.5

INPUT: ROADWAYS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City-Fut w P

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway Name	Width	Points Name	No.	Coordinates (pavement) X	Y	Z	Flow Control Control Device	Speed Constraint	Percent Vehicles Affected	Segment Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Frampton Ave S of 259th St	36.0	point31	31	1,610.3	1,282.3	100.00				Average	
		point21	21	1,610.3	1,937.6	100.00					
Belle Porte Ave S of 259th St	55.0	point33	33	1,242.2	1,281.3	100.00				Average	
		point15	15	1,231.2	1,917.7	100.00					
259th St W of Belle Porte Ave	40.0	point35	35	450.1	1,925.4	100.00				Average	
		point11	11	754.6	1,930.9	100.00				Average	
		point12	12	1,235.4	1,930.9	100.00					
Pacific Coast Hwy W of Belle Porte Ave	70.0	point1	1	465.8	2,404.0	100.00				Average	
		point3	3	754.5	2,397.5	100.00				Average	
		point4	4	1,229.0	2,400.7	100.00					
Belle Porte Ave N of PCH	55.0	point39	39	1,229.3	2,413.2	100.00				Average	
		point19	19	1,234.7	2,968.8	100.00					
Frampton Ave N of PCH	36.0	point41	41	1,616.7	2,415.9	100.00				Average	
		point24	24	1,614.4	2,986.0	100.00					
Belle Porte Ave N of 259th St	55.0	point43	43	1,231.0	1,947.0	100.00				Average	
		point17	17	1,231.0	2,387.9	100.00					
Pacific Coast Hwy E of Belle Porte Ave	70.0	point44	44	1,229.0	2,400.7	100.00				Average	
		point5	5	1,612.6	2,397.9	100.00					
Pacific Coast Hwy E of Frampton Ave	70.0	point45	45	1,612.6	2,397.9	100.00				Average	
		point6	6	1,817.3	2,412.7	100.00				Average	
		point7	7	1,972.6	2,442.3	100.00				Average	
		point8	8	2,156.3	2,491.5	100.00				Average	
		point37	37	2,329.5	2,560.8	100.00				Average	
		point26	26	2,828.3	2,770.2	100.00				Average	
		point27	27	3,065.2	2,841.8	100.00				Average	

		point28	28	3,321.5	2,894.2	100.00	Average
		point29	29	3,544.7	2,902.5	100.00	Average
		point2	2	3,897.4	2,908.0	100.00	
259th St E of Belle Porte Ave	40.0	point46	46	1,235.4	1,930.9	100.00	Average
		point13	13	1,600.5	1,930.9	100.00	
Frampton Ave N of 259th St	36.0	point47	47	1,610.3	1,937.6	100.00	Average
		point22	22	1,618.1	2,385.4	100.00	

Dudek 17 November
MG TNM 2.5

INPUT: TRAFFIC FOR LAeq1h Percentages
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City-Fut w P

Roadway Name	Points Name	No.	Segment Total Volume veh/hr	Autos P %	Autos S mph	MTrucks P %	MTrucks S mph	HTrucks P %	HTrucks S mph	Buses P %	Buses S mph	Motorcycles P %	Motorcycles S mph
Frampton Ave S of 259th St	point31	31	197	97	25	2	25	1	20	0	0	0	0
	point21	21											
Belle Porte Ave S of 259th St	point33	33	149	97	35	2	35	1	30	0	0	0	0
	point15	15											
259th St W of Belle Porte Ave	point35	35	72	97	25	2	25	1	20	0	0	0	0
	point11	11	72	97	25	2	25	1	20	0	0	0	0
	point12	12											
Pacific Coast Hwy W of Belle Porte Ave	point1	1	3524	97	35	2	35	1	30	0	0	0	0
	point3	3	3524	97	35	2	35	1	30	0	0	0	0
	point4	4											
Belle Porte Ave N of PCH	point39	39	240	97	35	2	35	1	30	0	0	0	0
	point19	19											
Frampton Ave N of PCH	point41	41	69	97	25	2	25	1	20	0	0	0	0
	point24	24											
Belle Porte Ave N of 259th St	point43	43	278	97	35	2	35	1	30	0	0	0	0
	point17	17											
Pacific Coast Hwy E of Belle Porte Ave	point44	44	3578	97	35	2	35	1	30	0	0	0	0
	point5	5											
Pacific Coast Hwy E of Frampton Ave	point45	45	3688	97	40	2	40	1	35	0	0	0	0
	point6	6	3688	97	40	2	40	1	35	0	0	0	0
	point7	7	3688	97	40	2	40	1	35	0	0	0	0
	point8	8	3688	97	40	2	40	1	35	0	0	0	0
	point37	37	3688	97	40	2	40	1	35	0	0	0	0

	point26	26	3688	97	40	2	40	1	35	0	0	0	0
	point27	27	3688	97	40	2	40	1	35	0	0	0	0
	point28	28	3688	97	40	2	40	1	35	0	0	0	0
	point29	29	3688	97	40	2	40	1	35	0	0	0	0
	point2	2											
259th St E of Belle Porte Ave	point46	46	133	97	25	2	25	1	20	0	0	0	0
	point13	13											
Frampton Ave N of 259th St	point47	47	207	97	25	2	25	1	20	0	0	0	0
	point22	22											

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17 November 2021
TNM 2.5

INPUT: RECEIVERS

PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City-Fut w P

Receiver Name	No.	#DUs	Coordinates (ground) X ft	Y ft	Z ft	Height above Ground ft	Input Sound Levels and Criteria: Existing LAeq1h dBA	Impact Criteria LAeq1h dBA	Impact Criteria Sub'l dB	NR Goal dB	Active in Calc.
ST1	1	1	1,184.6	2,454.1	100.00	5.00	0.00	66	10.0	8.0	Y
ST2	2	1	1,585.5	2,616.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST3	3	1	3,010.9	2,864.8	100.00	5.00	0.00	66	10.0	8.0	Y
ST4	4	1	1,752.5	1,728.7	100.00	5.00	0.00	66	10.0	8.0	Y
ST5	5	1	1,806.3	2,370.2	100.00	5.00	0.00	66	10.0	8.0	Y
M1	6	1	1,643.3	1,716.3	100.00	5.00	0.00	66	10.0	8.0	Y
M2	7	1	1,843.5	2,354.7	100.00	5.00	0.00	66	10.0	8.0	Y
M3	8	1	1,656.7	1,932.1	100.00	5.00	0.00	66	10.0	8.0	Y

Dudek 17 November 2021
MG TNM 2.5

INPUT: BARRIERS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City-Fut w P

Barrier Name	Type	Height Min ft	Height Max ft	If Wall $ per Unit Area $/sq ft	If Berm $ per Unit Vol. $/cu yd	Top Width ft	Run:Rise ft:ft	Add'tnl $ per Unit Length $/ft	Points Name	No.	Coordinates (bottom) X ft	Y ft	Z ft	Height at Point ft	Segment Seg Ht Increment ft	#Up	#Dn	On Struct?	Important Reflections?
Barrier1	W	0.00	99.99	0.00				0.00	point1	1	2,760.9	2,901.5	100.00	25.00	0.00	0	0		
									point2	2	2,764.6	2,838.8	100.00	25.00	0.00	0	0		
									point3	3	2,015.4	2,562.0	100.00	25.00	0.00	0	0		
									point4	4	1,985.8	3,010.1	100.00	25.00					
Barrier2	W	0.00	99.99	0.00				0.00	point5	5	2,779.4	2,611.4	100.00	25.00	0.00	0	0		
									point6	6	1,856.7	2,264.5	100.00	25.00	0.00	0	0		
									point7	7	1,845.6	1,744.1	100.00	25.00					
Barrier3	W	0.00	99.99	0.00				0.00	point8	8	1,539.3	2,895.6	100.00	25.00	0.00	0	0		
									point9	9	1,546.6	2,445.4	100.00	25.00	0.00	0	0		
									point10	10	1,354.7	2,445.4	100.00	25.00					
Barrier4	W	0.00	99.99	0.00				0.00	point11	11	1,358.4	2,330.9	100.00	25.00	0.00	0	0		
									point12	12	1,565.1	2,330.9	100.00	25.00	0.00	0	0		
									point13	13	1,565.1	1,995.1	100.00	25.00	0.00	0	0		
									point14	14	1,288.3	2,002.5	100.00	25.00					
Barrier5	W	0.00	99.99	0.00				0.00	point15	15	561.2	2,334.6	100.00	25.00	0.00	0	0		
									point16	16	1,155.4	2,330.9	100.00	25.00	0.00	0	0		
									point17	17	1,151.7	2,020.9	100.00	25.00	0.00	0	0		
									point18	18	627.6	2,028.3	100.00	25.00					
Barrier6	W	0.00	99.99	0.00				0.00	point19	19	1,561.4	1,408.3	100.00	25.00	0.00	0	0		
									point20	20	1,568.8	1,862.2	100.00	25.00	0.00	0	0		
									point21	21	1,277.2	1,865.9	100.00	25.00					

Dudek
MG

17 November 2021
TNM 2.5
Calculated with TNM 2.5

RESULTS: SOUND LEVELS
PROJECT/CONTRACT: 11906
RUN: 1280 Mixed Use Proj Harbor City-Fut w P
BARRIER DESIGN: INPUT HEIGHTS
ATMOSPHERICS: 68 deg F, 50% RH

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.

Receiver Name	No.	#DUs	Existing LAeq1h	No Barrier LAeq1h Calculated	Crit'n	Increase over existing Calculated	Increase over existing Crit'n Sub'l Inc	With Barrier Type Impact	With Barrier Calculated LAeq1h	Noise Reduction Calculated	Noise Reduction Goal	Calculated minus Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	69.8	66	69.8	10	Snd Lvl	69.8	0.0	8	-8.0
ST2	2	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0
ST3	3	1	0.0	72.9	66	72.9	10	Snd Lvl	72.9	0.0	8	-8.0
ST4	4	1	0.0	50.5	66	50.5	10	----	50.5	0.0	8	-8.0
ST5	5	1	0.0	72.4	66	72.4	10	Snd Lvl	72.4	0.0	8	-8.0
M1	6	1	0.0	56.5	66	56.5	10	----	56.5	0.0	8	-8.0
M2	7	1	0.0	70.4	66	70.4	10	Snd Lvl	70.4	0.0	8	-8.0
M3	8	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0

Dwelling Units	# DUs	Noise Reduction Min dB	Noise Reduction Avg dB	Noise Reduction Max dB
All Selected	8	0.0	0.0	0.0
All Impacted	4	0.0	0.0	0.0
All that meet NR Goal	0	0.0	0.0	0.0

Attachment J

Transportation Assessment

Michele Finneyfrock

From: Jason Shender <jshender@llgengineers.com>
Sent: Thursday, January 9, 2025 2:02 PM
To: Michele Finneyfrock
Subject: Transportation Assessment for the 1280 PCH Project

Michele,

Linscott, Law & Greenspan, Engineers ("LLG") has reviewed the Transportation Assessment prepared for the 1280 PCH project dated February 3, 2022. It is noted that LADOT updated their Vehicle Miles Traveled ("VMT") Calculator and Transportation Assessment Guidelines ("TAG") subsequent to the preparation of the Transportation Assessment. However, the results of the VMT analysis are identical utilizing Versions 1.3, 1.4, and 1.5 of the VMT Calculator. Furthermore, LADOT policy states that the versions of the VMT Calculator and TAG in effect at the time when the Transportation Assessment Memorandum of Understanding was executed are the versions that should be used for preparing the Transportation Assessment.

The analysis in the Transportation Assessment assumed 2026 as the Project buildout year. However, we now understand that has been pushed out to 2028. The Transportation Assessment utilized a 1.0% annual ambient growth rate from 2021 to 2026, or 5.10% total growth of the traffic volumes, to account for general traffic growth in the area, as well as unknown related projects. Subsequent to the preparation of the Transportation Assessment, LLG understands that a proposed 1,287 square-foot Starbucks located at 1333 Pacific Coast Highway was approved by the Harbor Area Planning Commission on May 7, 2024. The growth factors provided in the 2010 LA County Congestion Management Program ("CMP") manual suggest that traffic volumes are expected to grow 0.19% annually from 2021 to 2028, or 1.34% total growth of traffic volumes. Therefore, the Future Cumulative analysis included in the Transporation Assessment is still valid and conservative, even with the change in buildout year and approved Starbucks located at 1333 Pacific Coast Highway.

Therefore, LLG can confirm that the analysis, findings, and conclusions detailed in the February 3, 2022 Transportation Assessment remain valid to date.

Regards,
Jason



Jason Shender, AICP
Senior Transportation Planner
jshender@llgengineers.com

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626.796.2322 x235 | 626.486.2748 (Direct) |
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LINSCOTT LAW & GREENSPAN engineers

TRANSPORTATION ASSESSMENT

1280 PCH

City of Los Angeles, California
February 3, 2022

Prepared for:

ROI 1280 LLC
4199 Campus Drive, Suite 200
Irvine, CA 92621

LLG Ref. 5-21-0554-1



Prepared by:
Jason A. Shender, AICP
Transportation Planner III

Under the Supervision of:
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A. Approved Transportation Assessment Memorandum of Understanding

B. LADOT VMT Calculator Output

C. Manual Traffic Count Data

D. Detailed Plans, Programs, Ordinances, and Policies Review

E. HCM and Levels of Service Explanation
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TRANSPORTATION ASSESSMENT

1280 PCH

City of Los Angeles, California
February 3, 2022

1.0 INTRODUCTION

1.1 Transportation Assessment Overview

This transportation assessment has been conducted to identify and evaluate the potential transportation impacts of the proposed 1280 PCH project (the "Project") located at 1268-1290 W. Pacific Coast Highway and 25900 S. Frampton Avenue (the "Project Site") on the surrounding street system. The Project Site is located in the Wilmington-Harbor City Community Plan Area of the City of Los Angeles, California (the "City"). The Project Site is generally bounded by Pacific Coast Highway to the north, 259th Street to the south, Frampton Avenue to the west, and an automobile repair center and a surface parking lot to the east. The Project Site location and general vicinity are shown in ***Figure 1–1***.

The transportation analysis follows the *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines*[1] (TAG). The City's TAG are focused on transportation metrics that promote: the reduction of greenhouse gas emissions, the development of multimodal networks and access to diverse land uses, as well as safety, sustainability and smart growth. In compliance with the California Environmental Quality Act (CEQA), the City's TAG identify vehicle miles traveled (VMT) as the primary metric for evaluating a project's transportation impacts along with whether the proposed project conflicts or is inconsistent with local plans and policies. In addition, the City's TAG require evaluation of non-CEQA mobility elements such as pedestrian, bicycle and transit access, project access and circulation, project construction, and the potential for residential street intrusion.

This transportation assessment presents (i) a CEQA assessment of whether the Project conflicts or is inconsistent with local transportation-related plans and policies, (ii) a CEQA assessment of Project-related VMT, (iii) a CEQA assessment of whether the Project increases hazards due to a geometric design feature or incompatible use, (iv), a CEQA freeway safety analysis, (v) a non-CEQA assessment of pedestrian, bicycle and transit access, (vi) a non-CEQA evaluation of Project access, safety and circulation, and (vii) a non-CEQA review of Project construction activities.

[1] *Los Angeles Department of Transportation (LADOT) Transportation Assessment Guidelines,* LADOT, July 2020.

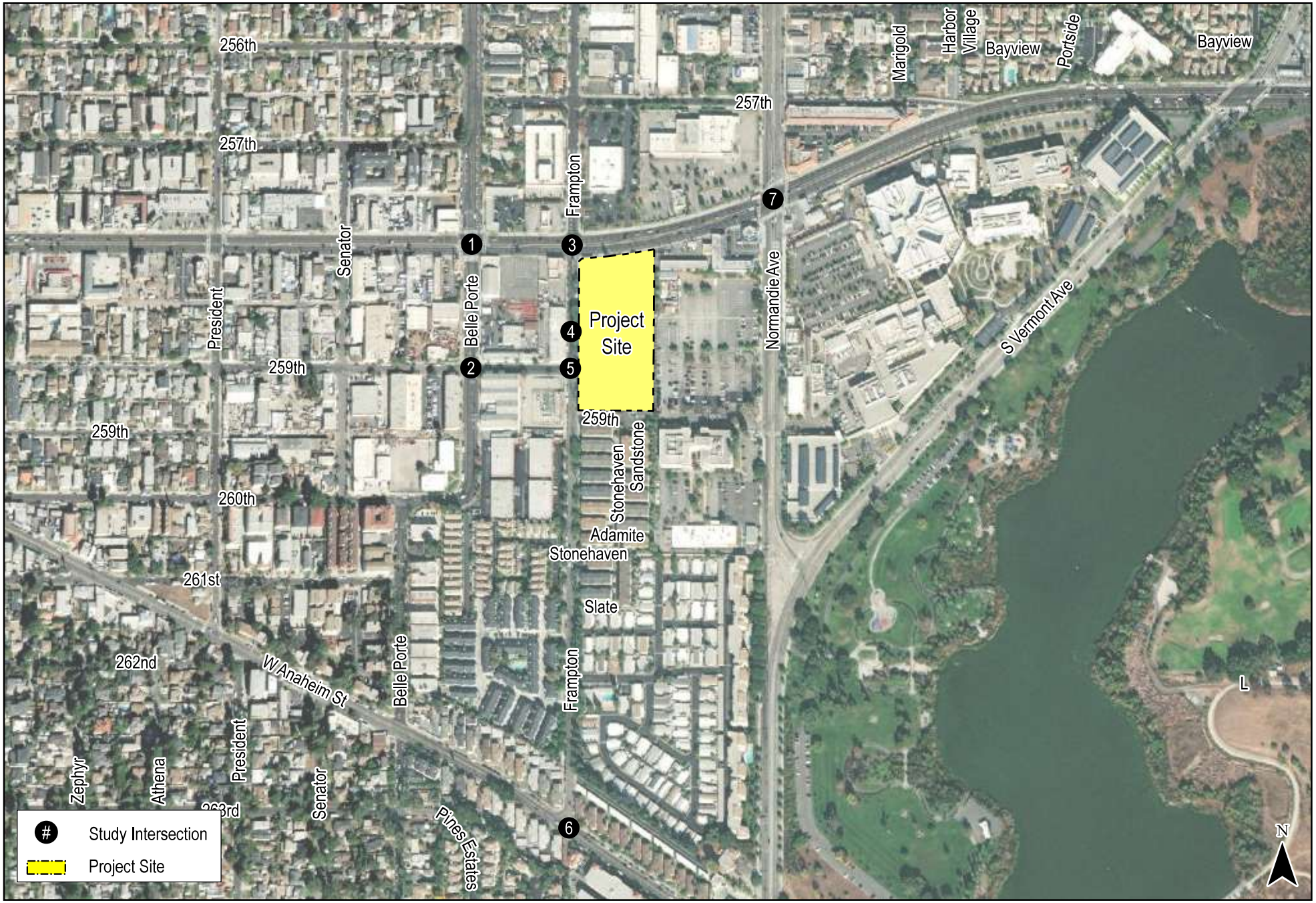

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Figure 1-1
Vicinity Map

1280 PCH

1.2 Study Area

The CEQA and non-CEQA analysis criteria for this transportation assessment were identified in consultation with LADOT staff. The analysis criteria were determined based on the City's TAG, the proposed Project description and location, and the characteristics of the surrounding transportation system. As defined by the City as Lead Agency under CEQA, LADOT confirmed the appropriateness of the analysis criteria when it entered into a transportation assessment Memorandum of Understanding (MOU) for the Project on September 1, 2021. The approved MOU is contained in ***Appendix A***.

2.0 PROJECT DESCRIPTION

2.1 Project Site Location

The Project Site is located at 1268-1290 W. Pacific Coast Highway and 25900 S. Frampton Avenue in the Wilmington-Harbor City Community Plan Area of the City (Assessor's Parcel Nos. 7411-019-016 and 7411-019-020). The Project Site is generally bounded by Pacific Coast Highway to the north, 259th Street to the south, Frampton Avenue to the west, and an automobile repair center and a surface parking lot to the east. The Project Site location and general vicinity are shown in *Figure 1–1*.

The Project Site is located within a high-quality transit area (HQTA) included in *Connect SoCal*[2], the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) of the Southern California Association of Governments (SCAG) and is currently served by many local lines and regional/commuter lines via stops located within convenient walking distance along Pacific Coast Highway. The transit lines include Los Angeles County Metropolitan Transit Authority (Metro) Local Lines 205 and 232, Metro Express Line 550, LADOT Commuter Express (CE) Line 448, and City of Gardena (GTrans) Line 2.

2.2 Existing Project Site

The Project Site comprises approximately 3.70 acres and is currently improved with a mobile home park (A-1 Trailer Park) with 42 dwelling units and a vacant lot. Vehicular access to the existing Project Site is provided via one full access driveway and one outbound only driveway along the south side of Pacific Coast Highway, one full access driveway along the west side of Frampton Avenue, and two driveways (one inbound only and one outbound only) along the north side of 259th Street. The Project Site is highlighted in an aerial photograph presented in ***Figure 2–1***.

2.3 Project Description

As currently proposed, the Project will remove the existing A-1 Trailer Park and construct a new mixed-use development consisting of 312 market-rate residential apartment dwelling units, 42 affordable housing dwelling units, and 1,500 square feet of ground floor commercial floor area. While the intended use of the ground floor commercial floor area has yet to be determined, for purposes of this Transportation Assessment, the ground floor commercial floor area will be analyzed as a High-Turnover (Sit-Down) Restaurant use. The Project proposes to provide 575 vehicular parking spaces within a six level above-grade parking garage. Construction and occupancy of the Project is proposed to be completed by the year 2026. The site plan for the Project is illustrated in ***Figure 2–2***.

[2] *Connect SoCal – The 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy of the Southern California Association of Governments,* Southern California Association of Governments, September 3, 2020.

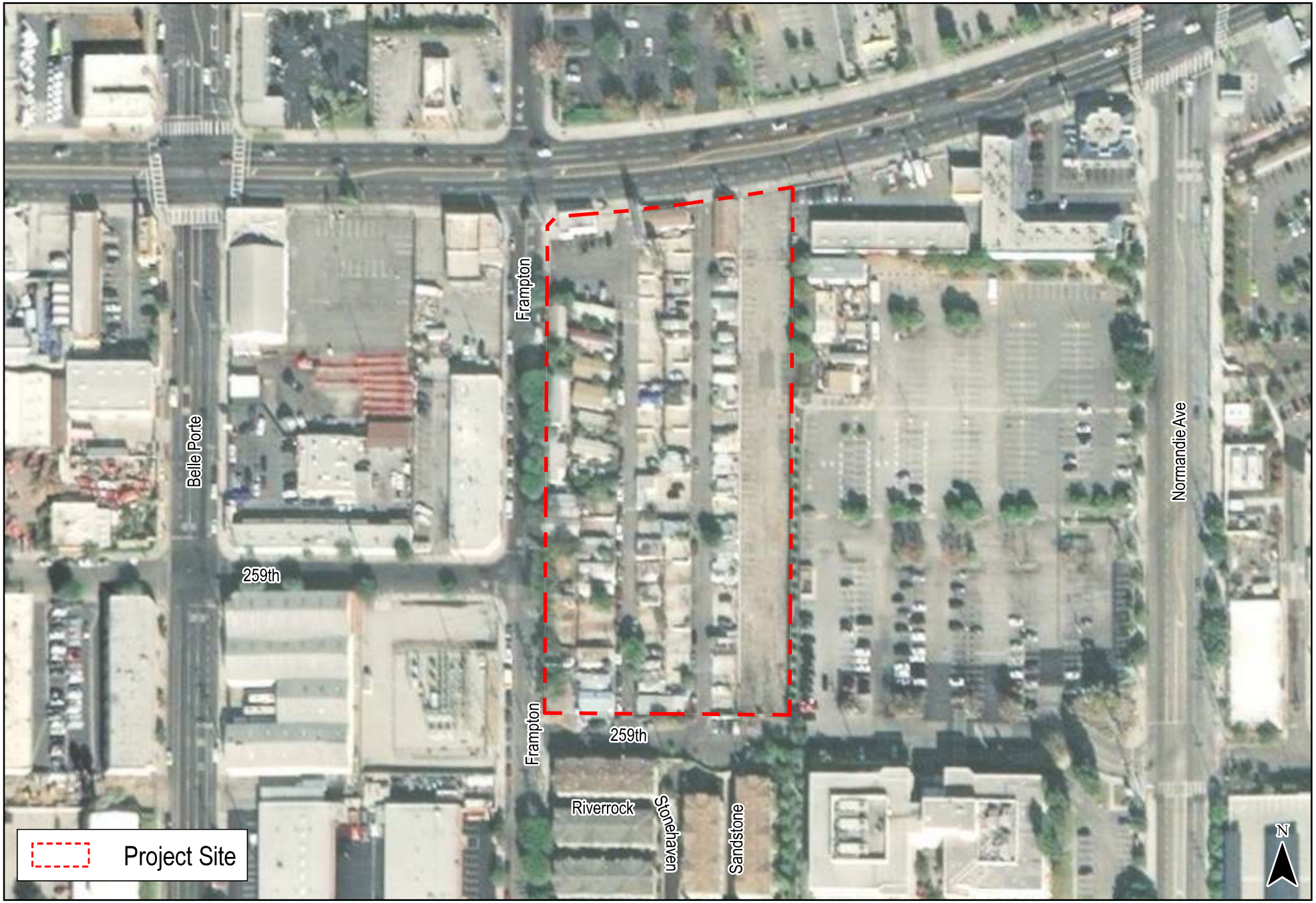

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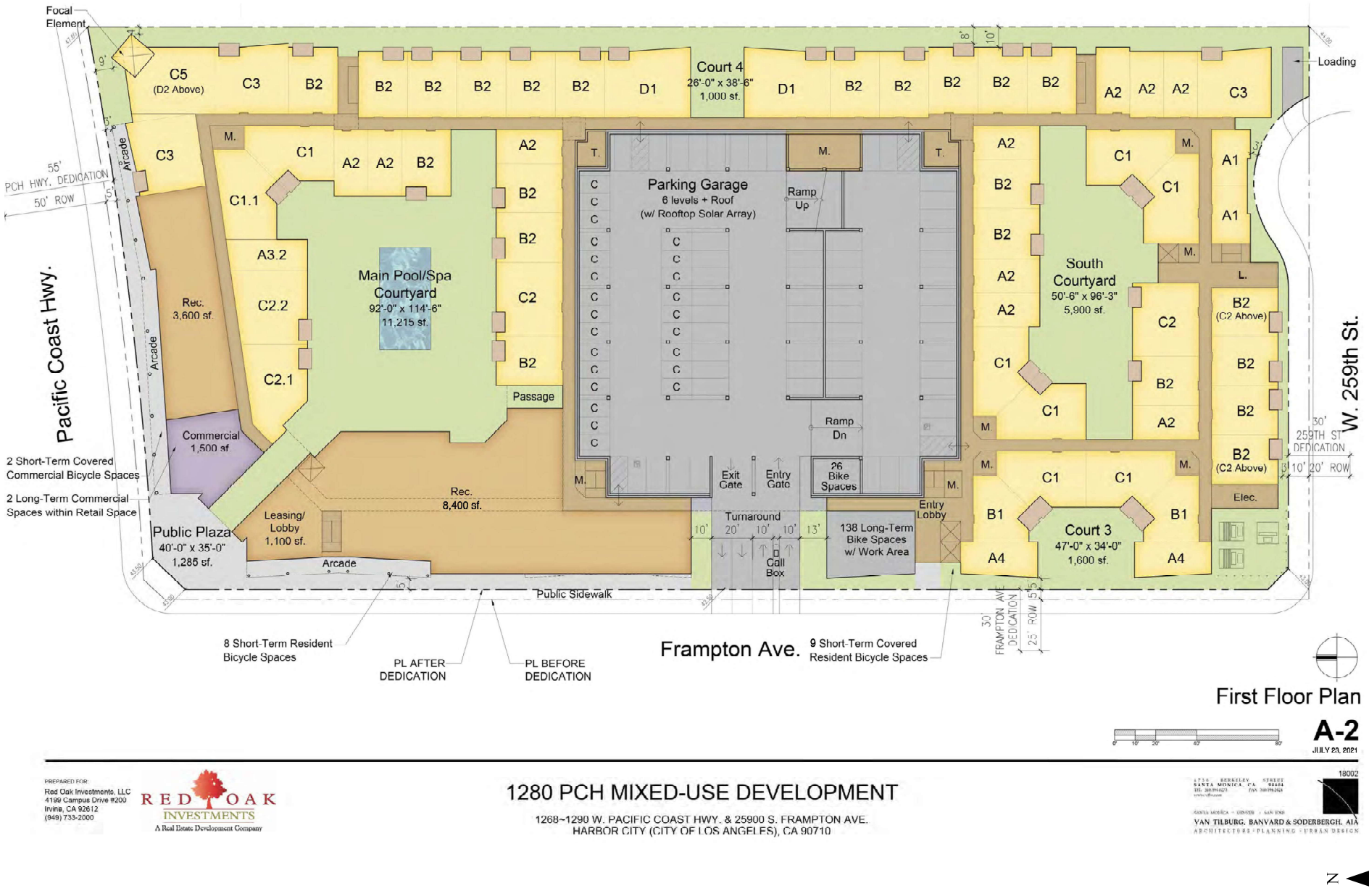
Figure 2-1
Project Site Aerial

1280 PCH



First Floor Plan

A-2

JULY 23, 2021

PREPARED FOR:
Red Oak Investments, LLC
4199 Campus Drive #200
Irvine, CA 92612
(949) 733-2000

RED OAK INVESTMENTS
A Real Estate Development Company

1280 PCH MIXED-USE DEVELOPMENT

1268~1290 W. PACIFIC COAST HWY. & 25900 S. FRAMPTON AVE.
HARBOR CITY (CITY OF LOS ANGELES), CA 90710

18002

VAN TILBURG, BANVARD & SODERBERGH, AIA
ARCHITECTURE · PLANNING · URBAN DESIGN

LINSCOTT LAW & GREENSPAN engineers

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Figure 2-2
Project Site Plan
First Floor Plan
1280 PCH

2.4 Vehicular Project Site Access

Vehicular access to the Project Site will be provided via one driveway along the east side of Frampton Avenue. The new Project driveway will accommodate full vehicular access (i.e., left-turn and right-turn ingress and egress movements). Additionally, a driveway providing access to a designated loading space at the terminus of 259th Street, at the southeasterly portion of the Project Site. The existing driveways will be removed in conjunction with the Project.

2.5 Pedestrian and Bicycle Project Site Access

Pedestrian access to the Project Site will be provided via Pacific Coast Highway, Frampton Avenue, and 259th Street. The Project will provide access locations to ensure pedestrian safety in compliance with City standards (e.g., provide sidewalks and crosswalks, and other pedestrian traffic controls). Separate pedestrian entrances will provide access from the nearby public transit stops, as well as other amenities along the major corridors.

Bicycle access to the Project Site will be provided via Pacific Coast Highway and Frampton Avenue. The Project will provide bicycle parking onsite for residents, visitors, and employees of the Project. Bicycle parking spaces will be installed in compliance with the Los Angeles Municipal Code (LAMC).

2.6 Project Parking

The Project will provide a total of 575 vehicular parking spaces within a six-level above-grade parking garage.

2.7 Project Loading

All loading activities will occur off-street and internal to the Project Site. Loading activities associated with service and delivery operations will occur within the designated loading space at the terminus of 259th Street. Loading activities associated with trash collection and waste management for the Project will occur within the at-grade level of the onsite parking garage. Access to the Project's trash/recycling areas will be provided via the Project driveway along the east side of Frampton Avenue.

2.8 Project Traffic Generation and Distribution

2.8.1 *Project Traffic Generation*

Traffic generation is expressed in vehicle trip ends, defined as one-way vehicular movements, either entering or exiting the generating land use. Traffic volumes expected to be generated by the Project during the weekday AM and PM peak hours were estimated using rates provided in the Institute of Transportation Engineers' (ITE) *Trip Generation Manual*[3] and the affordable housing trip rates published in Table 3.3-2 of the TAG. The following trip generation rates were used to forecast the traffic volumes expected to be generated by the Project:

[3] Institute of Transportation Engineers, *Trip Generation Manual,* 10th Edition, Washington, D.C., 2017.

- Apartments: ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates were used to forecast the traffic volumes expected to be generated by the residential apartment component of the Project.

- Affordable Family Housing: LADOT Affordable Housing (Family) trip generation average rates were used to forecast the traffic volumes expected to be generated by the affordable family housing component of the Project.

- Commercial: ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates were used to forecast the traffic volumes expected to be generated by the commercial component of the Project.

In addition to the trip generation forecasts for the Project (which are essentially an estimate of the number of vehicles that could be expected to enter and exit the Project Site access points), an adjustment was made to the trip generation forecast based on the Project Site's existing land use. The existing land use includes the A-1 Trailer Park with 42 dwelling units. The trips associated with the existing use will be subtracted from the projected Project trips to account for the existing environmental condition. ITE Land Use Code 240 (Mobile Home Park) trip generation average rates were used to estimate the trip reduction related to the existing use.

A forecast was also made of the transit trips that will be generated by the Project in lieu of trips by the private automobile. The Project Site is within a HQTA included in *Connect SoCal,* SCAG's RTP/SCS, and is currently served by many local lines and regional/commuter lines via stops located within convenient walking distance along Pacific Coast Highway. The transit lines include Metro Local Lines 205 and 232, Metro Express Line 550, LADOT CE Line 448, and GTrans Line 2. Further discussion of the transit framework is provided in Section 3.2 herein. As the Project Site is within one-quarter mile of numerous bus stops, a transit adjustment of 10% has been utilized, consistent with guidance provided in the TAG.

The trip generation forecast for the Project was submitted for review and approval by LADOT staff. As presented in ***Table 2–1***, the Project is expected to generate 126 net new vehicle trips (38 inbound trips and 88 outbound trips) during the AM peak hour. During the PM peak hour, the Project is expected to generate 134 net new vehicle trips (81 inbound trips and 53 outbound trips).

The daily vehicle trips expected to be generated by the Project were estimated using Version 1.3 of the City's VMT Calculator. Copies of the detailed VMT Calculator worksheets for the Project are contained in ***Appendix B***. As indicated in the summary VMT Calculator worksheet, the Project is forecast to generate 1,760 net new daily vehicle trips. It is noted that Version 1.3 of the City's VMT Calculator does not include a Mobile Home Park land use. In accordance with the TAG, the "Custom Land Use Type" featured was used to input daily trips associated with the existing A-1 Mobile Home Park. The ITE Land Use Code 240 (Mobile Home Park) trip generation average rate was used to estimate the daily trip reduction related to the existing use. By applying the daily vehicle trip rate from the ITE *Trip Generation Manual* (5.0 daily trips per unit), as well as a 10% transit credit, the existing A-1 Mobile Home Park is estimated to generate

Table 2-1
PROJECT TRIP GENERATION [1]

09-Sep-21

LAND USE	SIZE	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
		IN	OUT	TOTAL	IN	OUT	TOTAL
Proposed Project							
Apartments [3]	312 DU	29	83	112	84	53	137
Affordable Housing [4]	42 DU	8	14	22	8	6	14
Commercial [5]	1,500 GSF	8	7	15	9	6	15
Subtotal		45	104	149	101	65	166
Transit Trips [6]							
Apartments (10%)		(3)	(8)	(11)	(8)	(5)	(13)
Commercial (10%)		(1)	(1)	(2)	(1)	(1)	(2)
Subtotal		(4)	(9)	(13)	(9)	(6)	(15)
Subtotal Project Driveway Trips		**41**	**95**	**136**	**92**	**59**	**151**
Existing Site							
Mobile Home Park [7]	(42) DU	(3)	(8)	(11)	(12)	(7)	(19)
Existing Transit Trips [6]							
Mobile Home Park (10%)		0	1	1	1	1	2
Subtotal Existing Driveway Trips		**(3)**	**(7)**	**(10)**	**(11)**	**(6)**	**(17)**
NET INCREASE DRIVEWAY TRIPS		**38**	**88**	**126**	**81**	**53**	**134**

[1] Source: ITE *Trip Generation Manual,* 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates.
- AM Peak Hour Trip Rate: 0.36 trips/dwelling unit; 26% inbound/74% outbound
- PM Peak Hour Trip Rate: 0.44 trips/dwelling unit; 61% inbound/39% outbound

[4] City of Los Angeles Affordable Housing (Family) trip generation average rates.
- AM Peak Hour Trip Rate: 0.52 trips/dwelling unit; 38% inbound/62% outbound
- PM Peak Hour Trip Rate: 0.38 trips/dwelling unit; 55% inbound/45% outbound

[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- AM Peak Hour Trip Rate: 9.94 trips/1,000 SF of floor area; 55% inbound/45% outbound
- PM Peak Hour Trip Rate: 9.77 trips/1,000 SF of floor area; 62% inbound/38% outbound

[6] The transit reduction is based on the site's proximity to local bus stops, as well as the land use characteristics of the Project.
[7] ITE Land Use Code 240 (Mobile Home Park) trip generation average rates.
-AM Peak Hour Trip Rate: 0.26 trips/dwelling unit; 31% inbound/69% outbound
-PM Peak Hour Trip Rate: 0.46 trips/dwelling unit; 62% inbound/38% outbound

189 daily vehicle trips on a typical weekday and was the daily trip value utilized within Version 1.3 of the City's VMT Calculator.

2.8.2 *Project Traffic Distribution and Assignment*

Project traffic volumes both entering and exiting the Project Site have been distributed and assigned to the adjacent street system based on the following considerations:

- The Project Site's proximity to major traffic corridors (i.e., Pacific Coast Highway, Normandie Avenue, I-110 Freeway, etc.);
- Expected localized traffic flow patterns based on adjacent roadway channelization and presence of traffic signals;
- Existing intersection traffic volumes;
- Ingress/egress availability at the Project Site assuming the site access and circulation scheme described in Section 2.4;
- The location of proposed parking areas;
- Nearby population and employment; and
- Input from LADOT staff.

The general, directional traffic distribution patterns for the existing use on the Project Site is presented in ***Figure 2–3***. The general, directional traffic distribution patterns for Project-related trips bound to the Project Site is presented in ***Figure 2–4***. The forecast net new weekday AM and PM peak hour Project traffic volumes at the study intersections associated with the proposed Project are presented in ***Figure 2–5***. The traffic volume assignments presented in *Figure 2–5* reflect the traffic distribution characteristics shown in *Figures 2–3* and *2–4*, and the Project traffic generation forecast presented in *Table 2–1*.

2.9 Project Transportation Demand Management

The Project includes one transportation demand management (TDM) strategy to be implemented as Project Design Features. The TDM strategies are listed in Table 2.2-2 of the TAG. Further discussion of the TDM strategy is provided in the section below.

2.9.1 *Include Bike Parking per Los Angeles Municipal Code*

Table 12.21A.16(a)(1)(i) of the LAMC provides the required short-term and long-term bicycle parking spaces for the residential component of the Project (354 units). The short-term bicycle parking ratios are as follows:

- Dwelling Units 1-25: 1 space per 10 units (3 spaces);

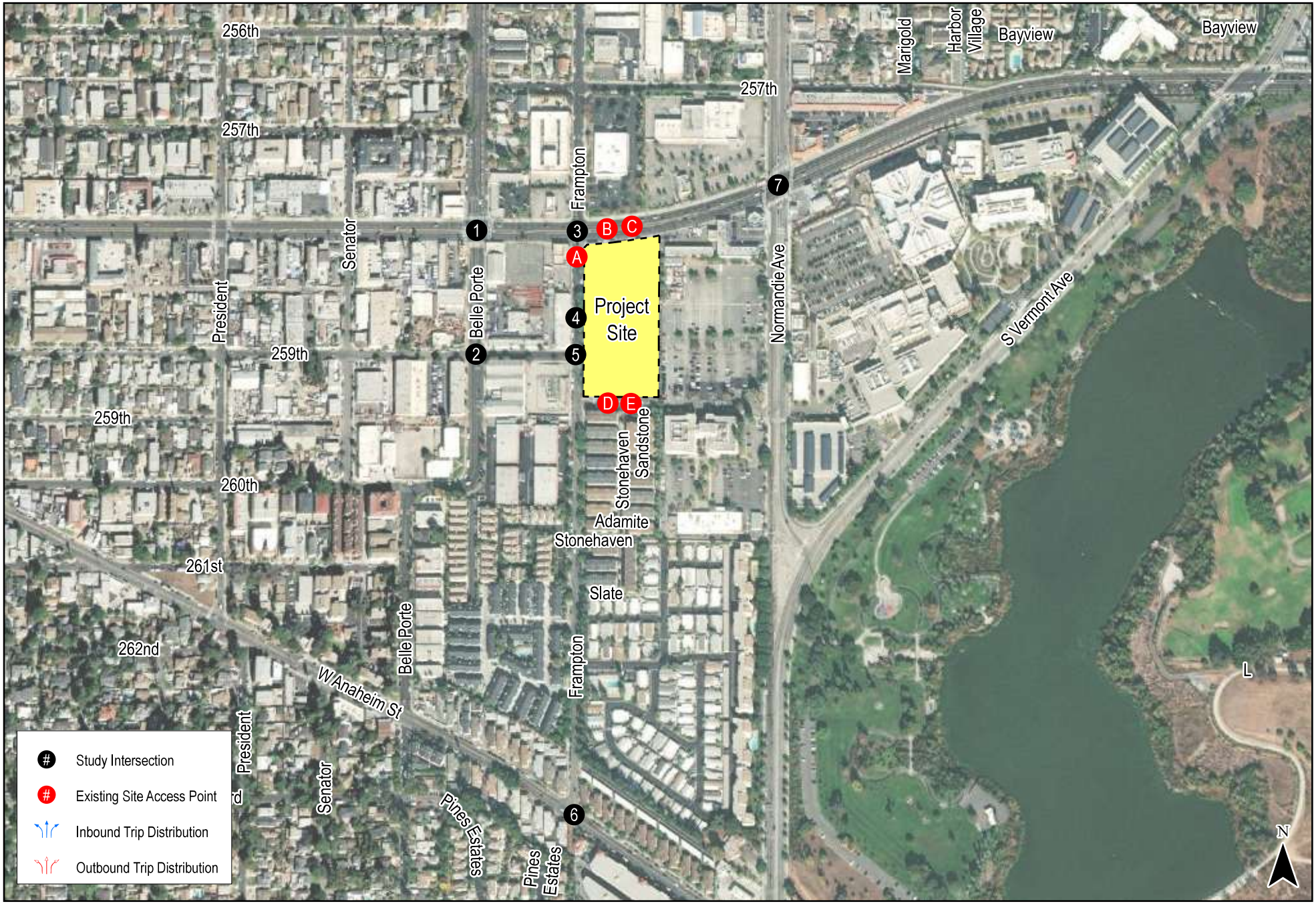

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Figure 2-3
Existing Site Trip Distribution
(Page 1 of 2)

1280 PCH

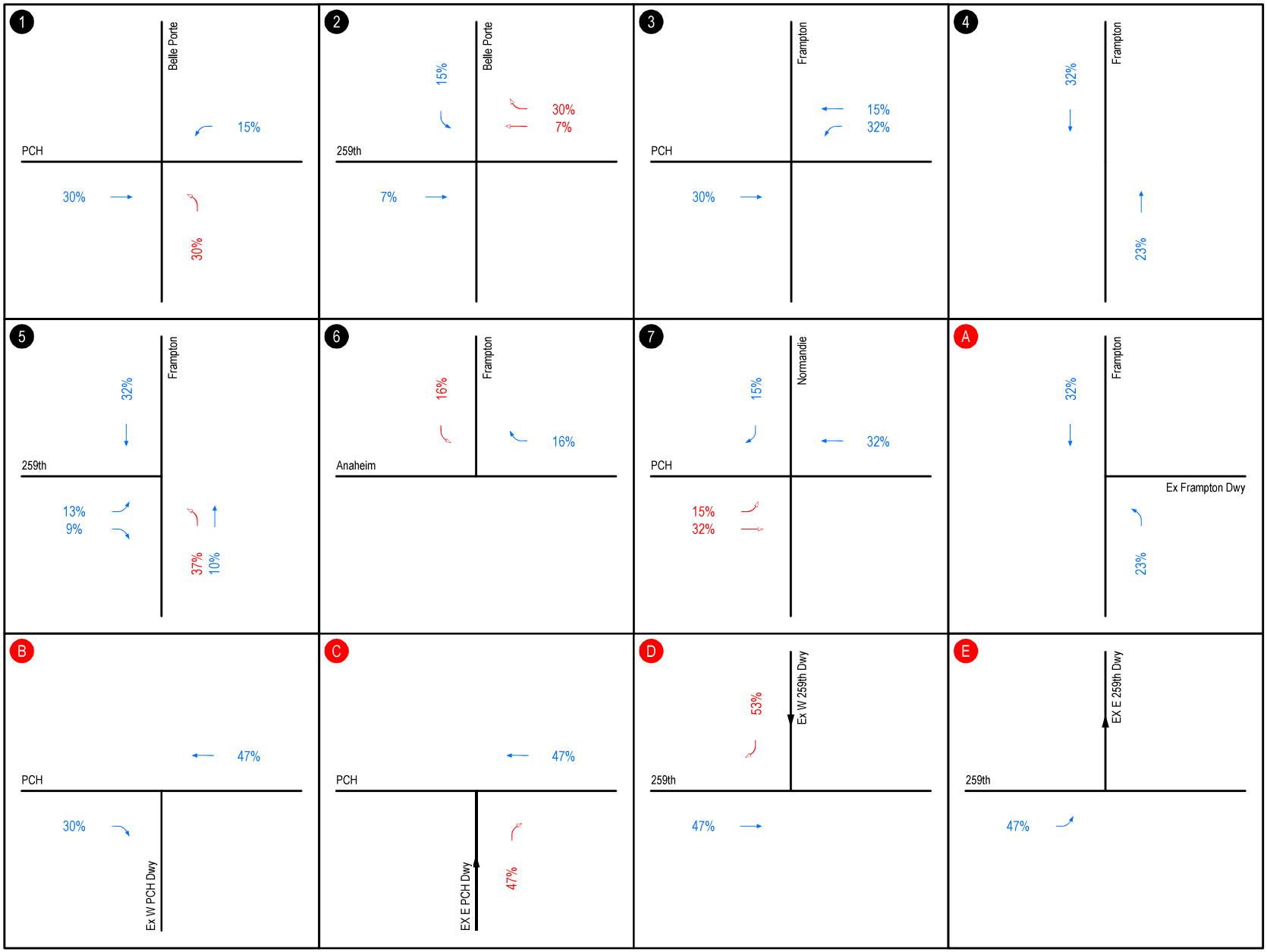

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Figure 2-3
Existing Site Trip Distribution
(Page 2 of 2)

1280 PCH

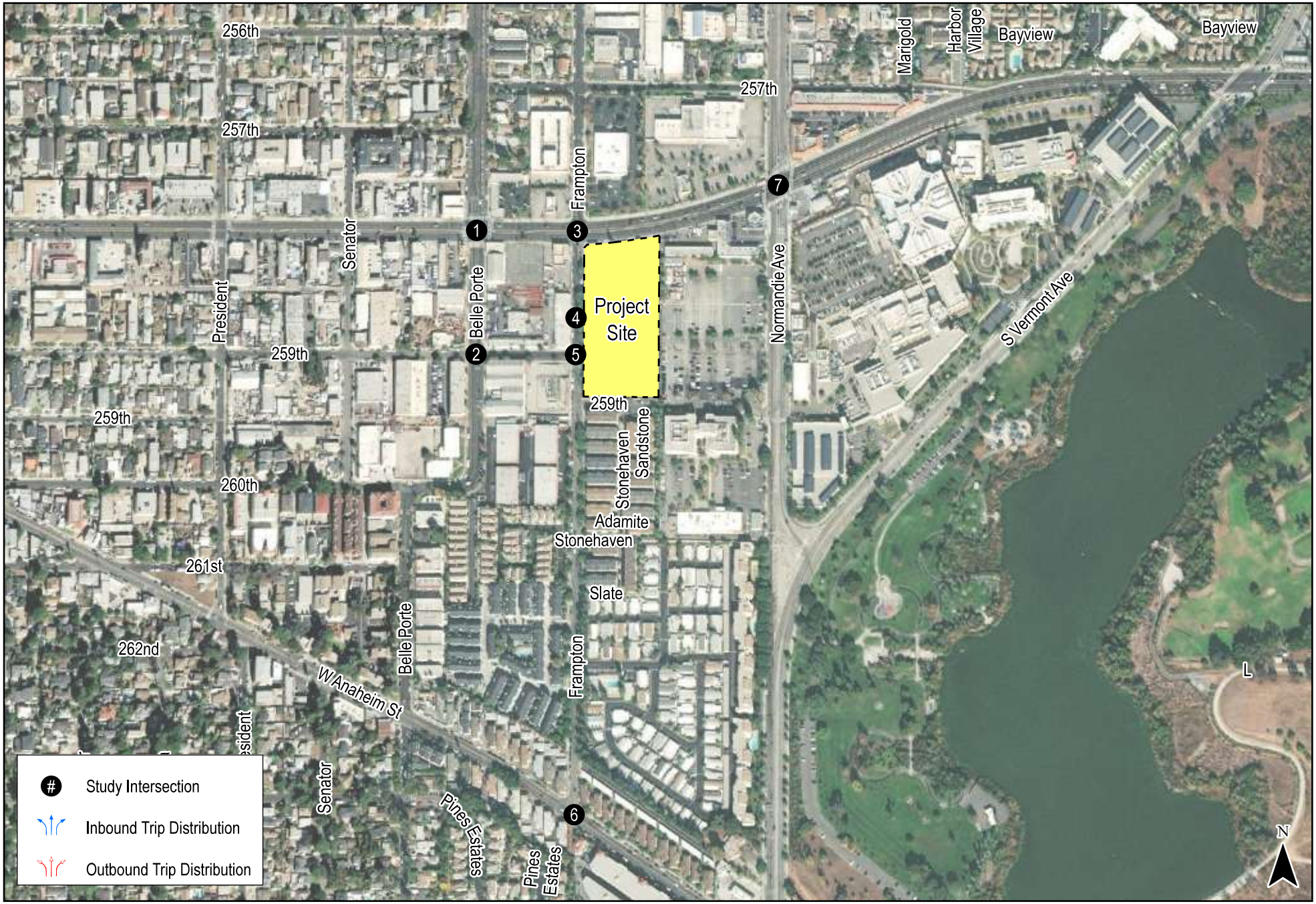

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Figure 2-4
Project Trip Distribution
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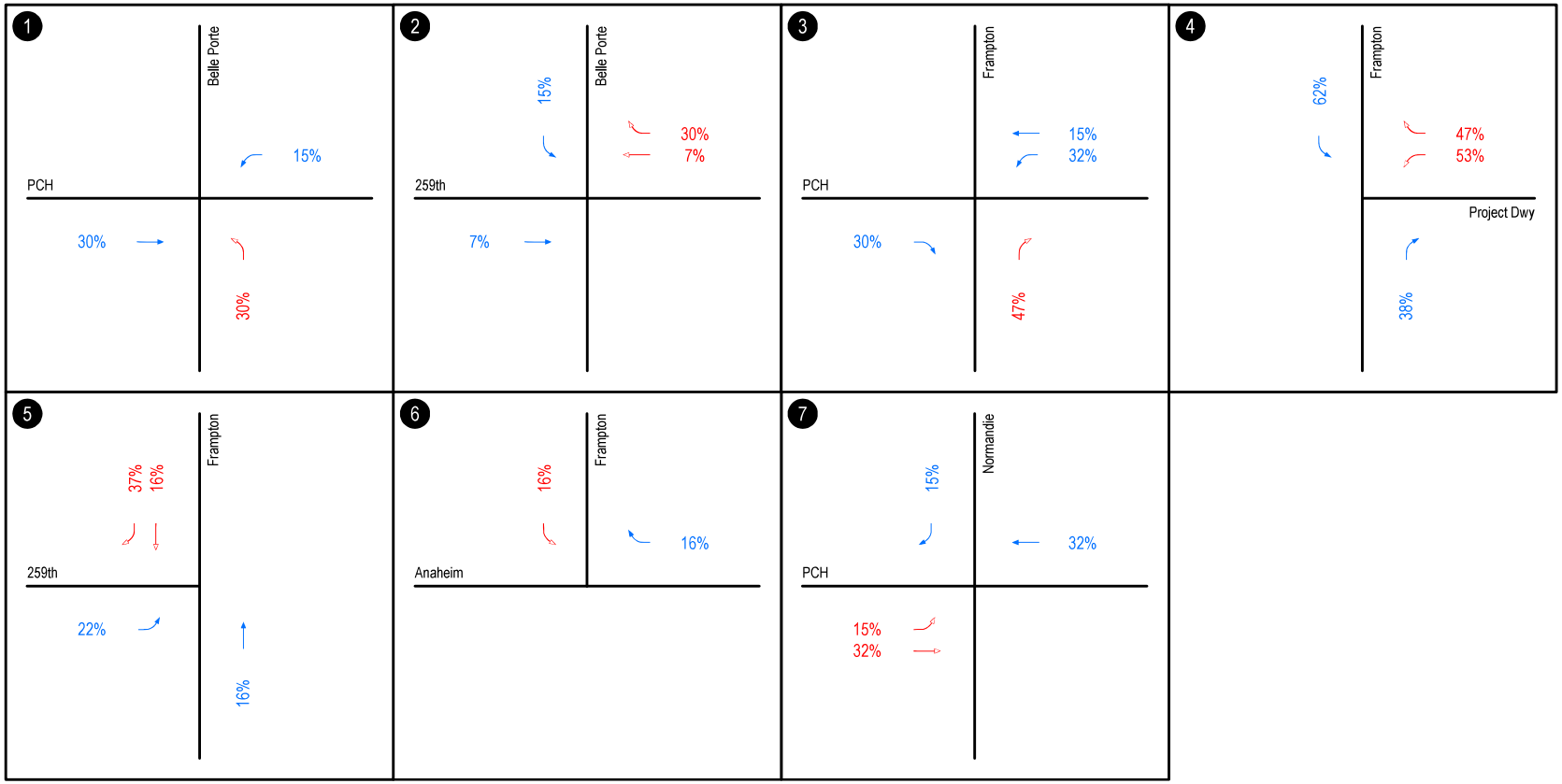

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Figure 2-4
Project Trip Distribution
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Figure 2-5
Net New Project Traffic Volumes
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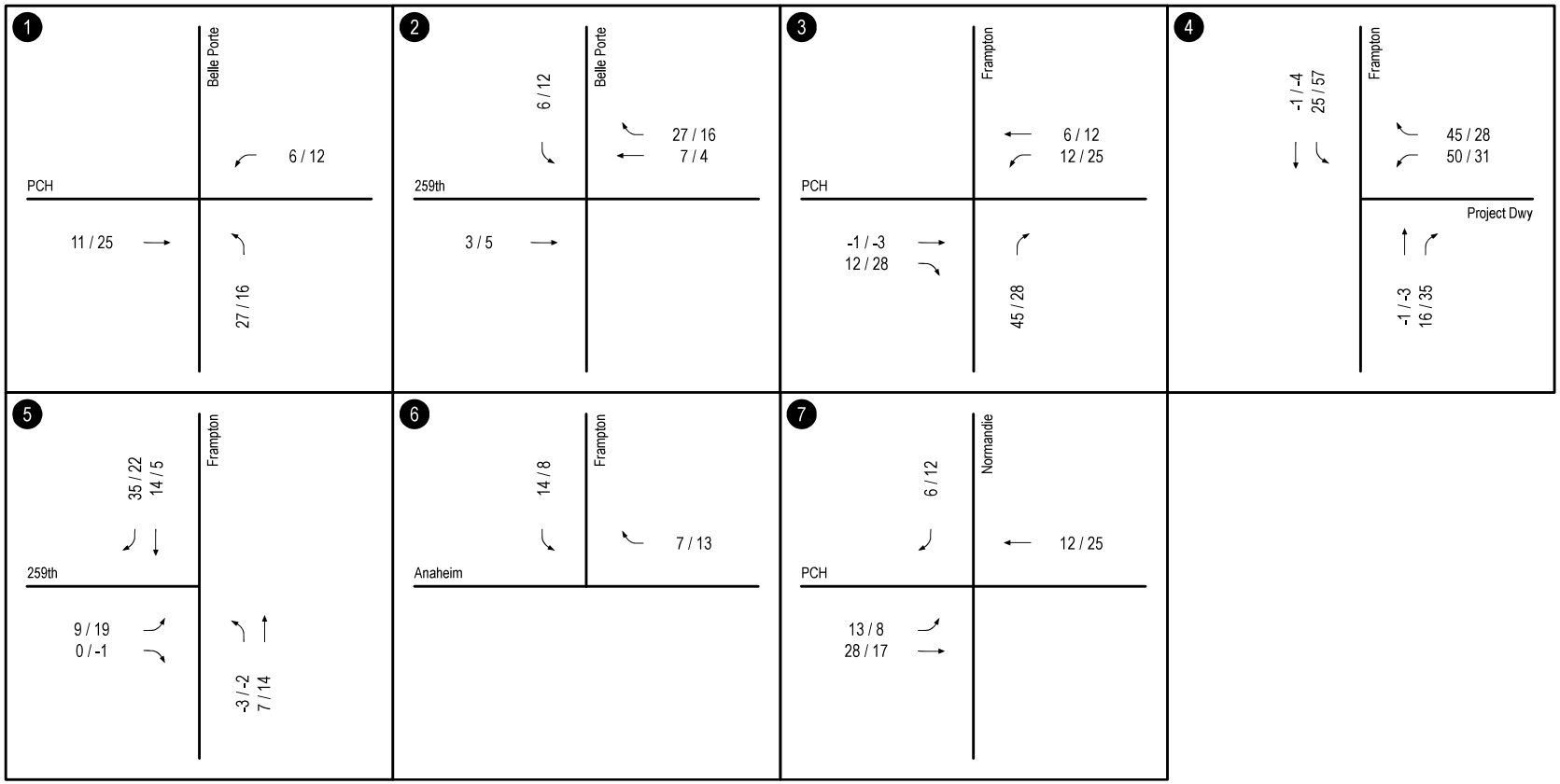

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Figure 2-5
Net New Project Traffic Volumes
(Page 2 of 2)

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- Dwelling Units 26-100: 1 space per 15 units (5 spaces);
- Dwelling Units 101-200: 1 space per 20 units (5 spaces); and
- Dwelling Units 201-354: 1 space per 40 units (4 spaces).

The long-term bicycle parking ratios are as follows:

- Dwelling Units 1-25: 1 space per unit (25 spaces);
- Dwelling Units 26-100: 1 space per 1.5 units (50 spaces);
- Dwelling Units 101-200: 1 space per 2 units (50 spaces); and
- Dwelling Units 201-354: 1 space per 4 units (39 spaces).

Table 12.21.A.16(a)(2) in the LAMC provides the required short-term and long-term bicycle parking spaces for the commercial component of the Project. The short-term bicycle parking ratios are as follows:

- Commercial (1,500 s.f.): 1 space per 2,000 s.f. (2 spaces[4]).

The long-term bicycle parking ratios are as follows:

- Commercial (1,500 s.f.): 1 space per 2,000 s.f. (2 spaces[5]).

Based on the above, the Project is required to provide 17 short-term and 164 long-term bicycle parking spaces for the residential component. For the commercial component, the Project is required to provide two short-term bicycle parking spaces and two long-term bicycle parking spaces. The Project will provide the LAMC-required number of short-term and long-term bicycle parking spaces.

The Project Applicant will comply with the City's existing TDM Ordinance in LAMC Section 12.26.J. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

[4] While the calculation would yield a requirement of one short-term bicycle parking space, Table 12.21 A.16(a)(2) states that a minimum of two short-term bicycle parking spaces are required for a restaurant use (i.e., the assumed use for the Project's commercial component).

[5] While the calculation would yield a requirement of one long-term bicycle parking space, Table 12.21 A.16(a)(2) states that a minimum of two long-term bicycle parking spaces are required for a restaurant use (i.e., the assumed use for the Project's commercial component).

3.0 PROJECT CONTEXT

3.1 Non-Vehicle Transport System

3.1.1 *Pedestrian Framework*

Public sidewalks that are approximately 13 feet in width and pedestrian facilities are provided along the Project Site's Pacific Coast Highway frontage. Sidewalks are not currently provided along the Project Site's Frampton Avenue and 259th Street frontages. However, the Project includes construction of new sidewalks along the Project Site's Frampton Avenue and 259th Street frontages, as well as improvements to the existing sidewalk along the Project Site's Pacific Coast Highway frontage. Potential pedestrian destinations located within an approximately one-quarter mile radius (i.e., 1,320 feet) from the Project Site are noted in ***Figure 3–1***, per Section 3.2.4 of the TAG. ***Figure 3–2*** shows the existing pedestrian and transit facilities within an approximately one-quarter mile radius (i.e., 1,320 feet) from the Project Site. As presented in *Figure 3–2*, the following pedestrian facilities currently are provided in the direct vicinity of the Project Site:

- American With Disabilities Act (ADA) access ramps, including some with the yellow truncated domes, are provided at the following intersections in the immediate vicinity of the Project Site:
  - Belle Porte Avenue / 257th Street
  - Belle Porte Avenue / Pacific Coast Highway
  - Belle Porte Avenue / 259th Street
  - Frampton Avenue / 257th Street
  - Frampton Avenue / Pacific Coast Highway
  - Frampton Avenue / 259th Street (West Leg)
  - Frampton Avenue / 259th Street (East Leg)
  - Frampton Avenue / Anaheim Street
  - Normandie Avenue / Pacific Coast Highway
- Traditional parallel bar or continental style pedestrian crosswalks with varying widths of between approximately 10 feet and 17 feet are provided at the following intersections in the immediate vicinity of the Project Site:
  - Senator Avenue / Pacific Coast Highway
  - Belle Porte Avenue / Pacific Coast Highway



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Figure 3-1
Pedestrian Attractor Inventory

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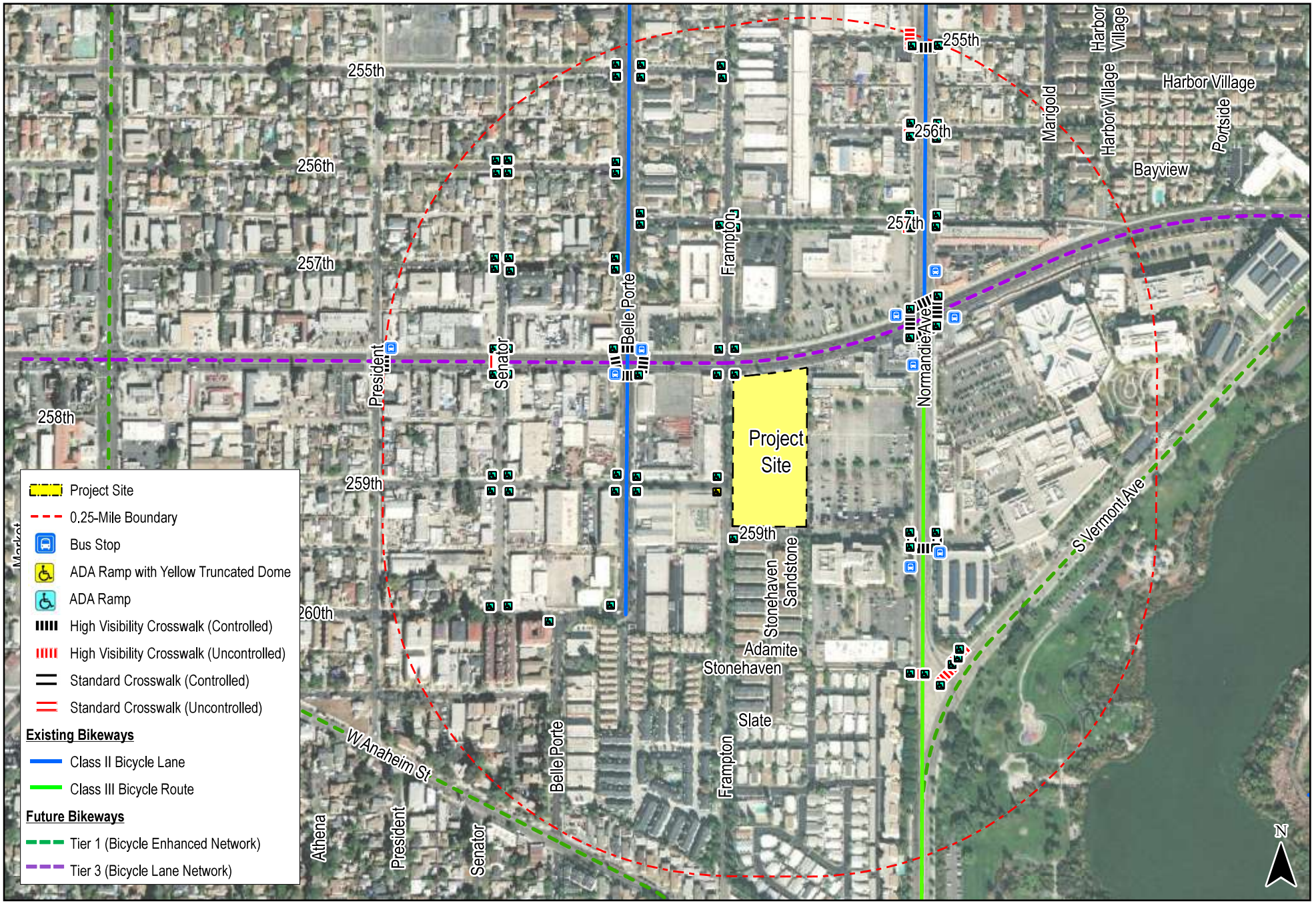

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Figure 3-2
Facilities Inventory

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- Normandie Avenue / Pacific Coast Highway

- Pedestrian crossing signals and push buttons are presently included as part of the traffic signal controls at the nearby signalized intersections that are noted in *Figure 3–2*.

The Project has been designed to encourage pedestrian activity and walking as a transportation mode. Pedestrian access to the Project will be provided via entrances along Pacific Coast Highway, Frampton Avenue, and 259th Street. Separate pedestrian entrances will be provided for the residential and commercial components of the Project. The Project will improve the sidewalk along the Pacific Coast Highway property frontage and provide new sidewalks along the Frampton Avenue and 259th Street property frontages to enhance the pedestrian experience and ensure ADA compliance.

The City's Mobility Plan 2035[6] identifies a collection of arterial streets, known as Pedestrian Enhanced Districts (PEDs), where pedestrian improvements could be prioritized to provide enhanced walking connections to and from the major destinations within communities. The arterials within the Project study area that have been identified as PEDs are presented in ***Figure 3–3***. Mobility Plan 2035 also identifies a collection of streets, known as the Neighborhood Enhanced Network (NEN), that provide comfortable and safe routes for non-motorized modes of travel such as walking. Roadways within the NEN within the Project study area are presented in ***Figure 3–4***.

3.1.2 *Bicycle Network*

Bicycle access to the Project Site is facilitated by the City's bicycle roadway network. Existing bicycle facilities (e.g., Class I Bicycle Path, Class II Bicycle Lanes, Class III Bicycle Routes, Bicycle Friendly Streets, etc.) identified in the City's 2010 Bicycle Plan are located within the immediate vicinity of the Project Site.[7] The 2010 Bicycle Plan goals and policies have been folded into Mobility Plan 2035 to reflect a commitment to a balanced, multi-modal viewpoint.

Class II Bicycle Lanes are currently provided in each direction on Belle Porte Avenue and Normandie Avenue, north of Pacific Coast Highway within Project study area. South of Pacific Coast Highway, Normandie Avenue is designated as a Class III Bicycle Route. Within Mobility Plan 2035, Vermont Avenue and Anaheim Street are included within the Tier I Bicycle Enhanced Network, Normandie Avenue is included within the Tier II Bicycle Lane Network, and Pacific Coast Highway is included within the Tier III Bicycle Lane Network. Class II Bicycle Lanes are planned for Pacific Coast Highway, Anaheim Street, Normandie Avenue south of Pacific Coast Highway, and Vermont Avenue in the future. The existing and planned bicycle facilities within the Project study area are shown in ***Figure 3–5***.

[6] *Mobility Plan 2035,* Los Angeles Department of City Planning, December 2015.

[7] *2010 Bicycle Plan,* Los Angeles Department of City Planning, Adopted March 1, 2011. As noted in *Mobility Plan 2035*, the 2010 Bicycle Plan and policies have been folded into the Mobility Plan to reflect a commitment to a balanced, multi-modal viewpoint.



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Figure 3-3
Pedestrian Enhanced Districts

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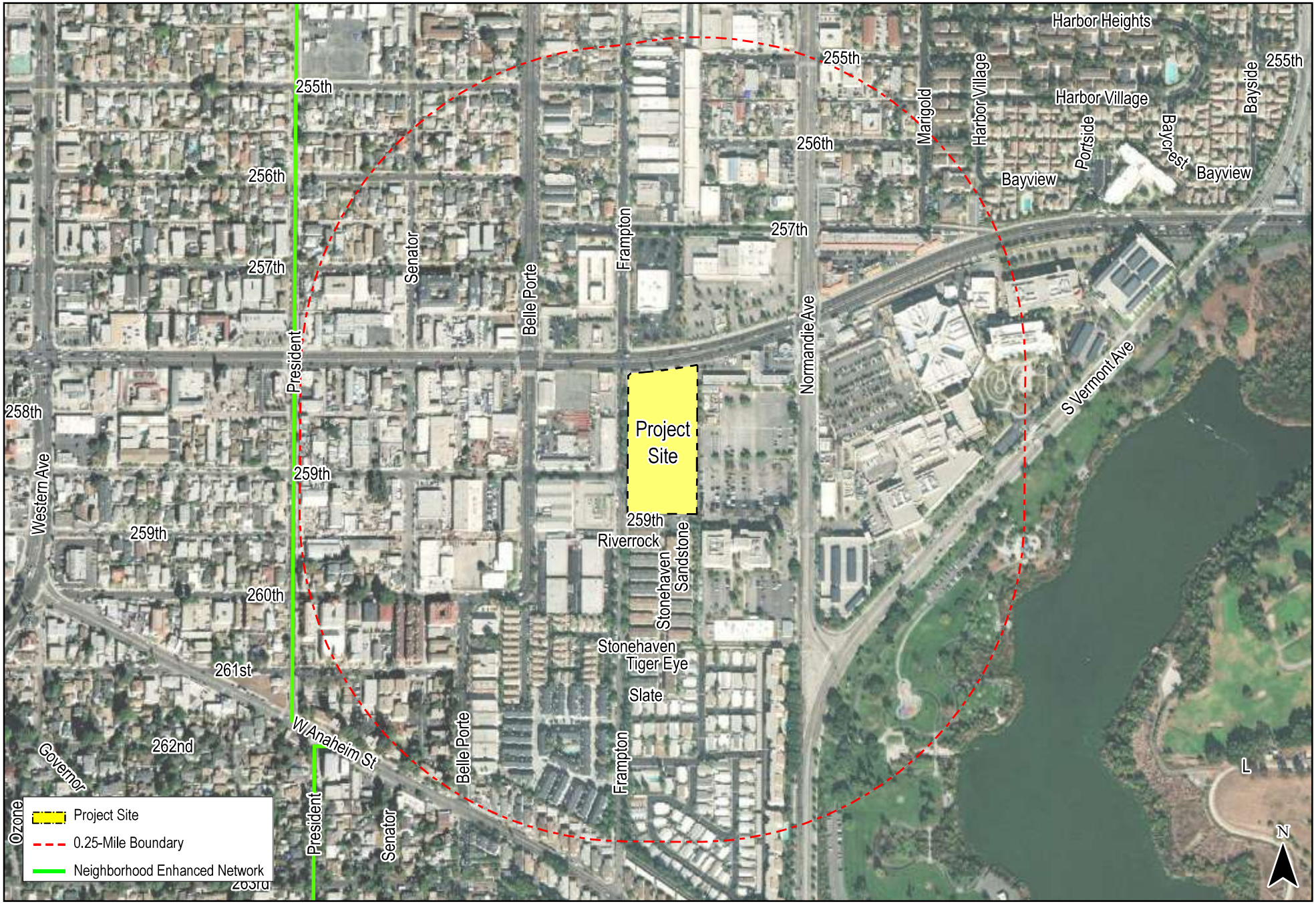

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Figure 3-4
Neighborhood Enhanced Network

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Figure 3-5
Bicycle Network

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3.2 Transit Framework

The Project Site is currently served by many local lines and regional/commuter lines via stops located within convenient walking distance along Pacific Coast Highway. Public transit service in the Project Site area is currently provided by Metro, LADOT, and GTrans. A summary of the existing transit service with stops within one-quarter mile of the Project Site, including the transit route, destinations and peak hour headways, is presented in ***Table 3–1***. The existing public transit routes in the Project Site vicinity are illustrated in ***Figure 3–6***.

3.3 Vehicle Network

3.3.1 *Regional Highway Access*

Regional vehicular access to the Project Site is primarily provided by the I-110 (Harbor) Freeway. A brief description of the I-110 Freeway is provided in the following paragraph.

I-110 (Harbor) Freeway is a north-south oriented freeway that extends across southern California from Downtown Los Angeles to the San Pedro area of the City. North of Downtown Los Angeles, the I-110 Freeway becomes the SR-110 (Arroyo Seco Parkway) Freeway and extends to Pasadena. In the Project vicinity, four mixed-flow freeway lanes are provided in each direction on the I-110 Freeway with auxiliary merge/weave lanes provided between some interchanges. Northbound and southbound ramps are provided on the I-110 Freeway at Pacific Coast Highway and Anaheim Street in the Project vicinity and are located approximately 1.1 mile east and 1.7 mile southeast of the Project Site, respectively.

3.3.2 *Local Roadway System*

The following intersections were selected in consultation with LADOT staff for analysis of potential traffic operations deficiencies due to the Project:

1. Belle Porte Avenue / Pacific Coast Highway
2. Belle Porte Avenue / 259th Street
3. Frampton Avenue / Pacific Coast Highway
4. Frampton Avenue / Project Driveway
5. Frampton Avenue / 259th Street
6. Frampton Avenue / Anaheim Street
7. Normandie Avenue / Pacific Coast Highway

The Belle Porte Avenue / Pacific Coast Highway and Normandie Avenue / Pacific Coast Highway intersections are presently controlled by traffic signals. The Belle Porte Avenue / 259th Street and Frampton Avenue / 259th Street intersections are all-way stop-controlled intersections (i.e., stop signs facing all approaches). The Frampton Avenue / Pacific Coast Highway

Table 3-1
EXISTING PUBLIC TRANSIT ROUTES [1]

20-Sep-21

ROUTE	DESTINATIONS	ROADWAY(S) NEAR SITE	NO. OF BUSES DURING PEAK HOUR		
			DIR	AM	PM
Metro 205	Willowbrook to San Pedro (via Wilmington Avenue, Vermont Avenue, and Western Avenue)	Pacific Coast Highway	NB SB	2 2	2 2
Metro 232	LAX to Long Beach (via Pacific Coast Highway)	Pacific Coast Highway	NB SB	4 4	4 4
Metro 550	Exposition Park to San Pedro (via Harbor Transitway, Vermont Avenue, and Normandie Avenue)	Normandie Avenue	NB SB	1 1	1 1
CE 448	Rancho Palos Verdes to Downtown Los Angeles (via Sepulveda Boulevard)	Sepulveda Boulevard	NB SB	3 0	0 5
GTrans Line 2	Roundtrip from Normandie Avenue / Pacific Coast Highway (via Western Avenue and Normandie Avenue)	Normandie Avenue, Pacific Coast Highway	CW CCW	4 4	4 4
			Total	**25**	**27**

[1] Sources: Los Angeles County Metropolitan Transportation Authority (Metro) website, 2021.
LADOT Commuter Express (CE) website, 2021.
City of Gardena Transit (GTrans) website, 2021.

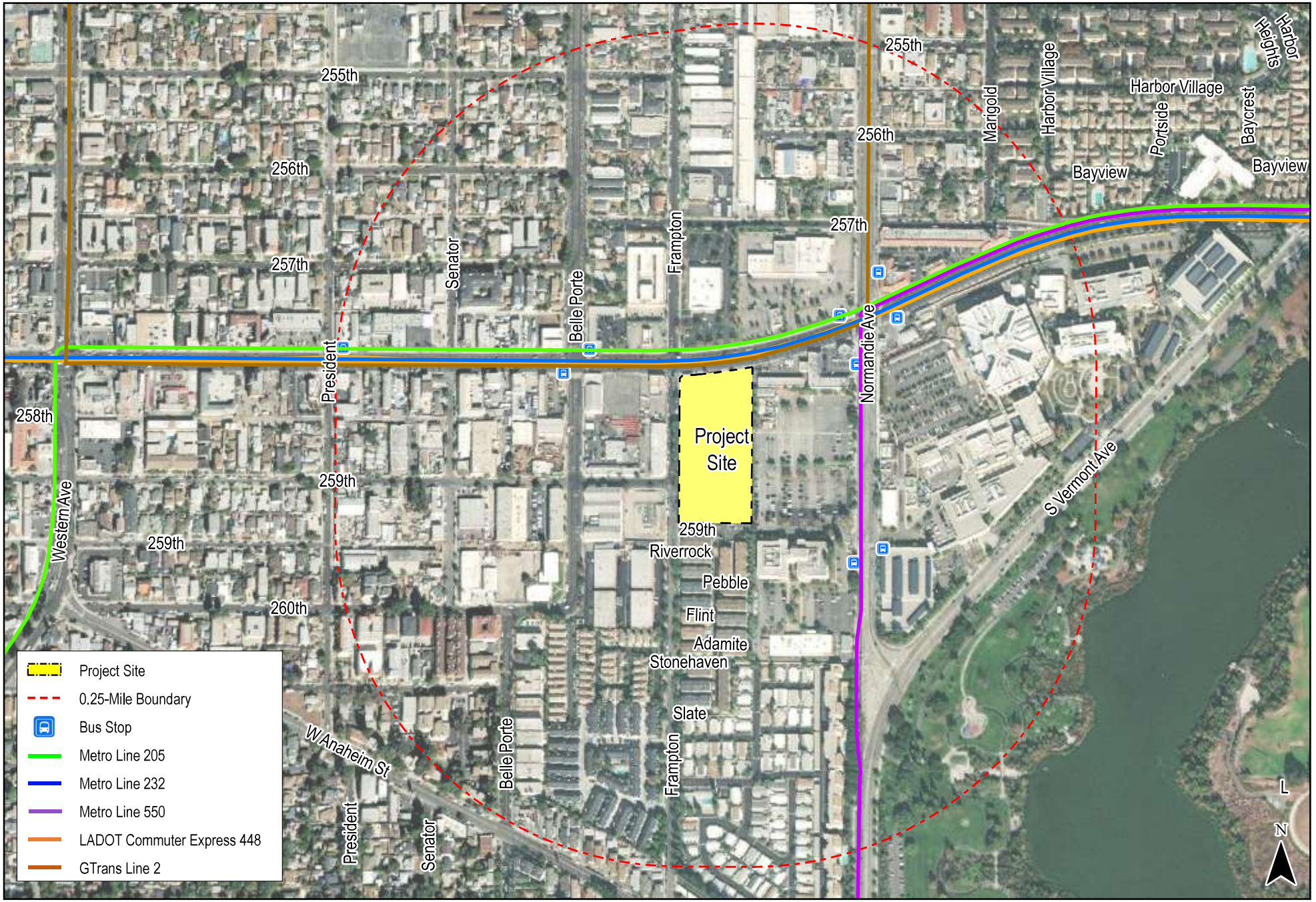

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Figure 3-6
Existing Public Transit Routes

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intersection is a two-way stop-controlled intersection (i.e., stop signs facing the northbound and southbound Frampton Avenue approaches). The Frampton Avenue / Anaheim Street intersection is also a two-way stop-controlled intersection (i.e., stop sign facing the southbound Frampton Avenue approach). The Frampton Avenue / Project Driveway intersection will be a two-way stop-controlled intersection (i.e., stop sign facing the outbound driveway approach). The existing and Project lane configurations at the study intersections are displayed in ***Figures 3–7*** and ***3–8***, respectively.

3.3.3 *Roadway Descriptions*

Immediate access to the Project Site is provided via Pacific Coast Highway and Frampton Avenue. A brief description[8] of the roadways in the Project vicinity is provided in the following paragraphs.

Belle Porte Avenue is a north-south oriented roadway located west of the Project Site. Within the Project study area, Belle Porte Avenue is designated as a Collector by the City. One through travel lane is provided in each direction on Belle Porte Avenue within the Project study area. Separate exclusive left-turn lanes are provided in each direction on Belle Porte Avenue at major intersections. A separate exclusive right-turn lane is provided in the southbound direction on Belle Porte Avenue at the Pacific Coast Highway intersection. Belle Porte Avenue has a posted speed limit of 35 miles per hour within the Project study area.

Frampton Avenue is a north-south oriented roadway that borders the Project Site to the west. Within the Project study area, Frampton Avenue is designated as a Local Street – Standard by the City. One through travel lane is provided in each direction on Frampton Avenue within the Project study area. Separate exclusive right-turn lanes are provided in each direction on Frampton Avenue at the Pacific Coast Highway intersection. There is no speed limit posted on Frampton Avenue north of Pacific Coast Highway within the Project study area, thus a prima facie speed limit of 25 miles per hour is assumed, consistent with California Vehicle Code Section 22352(b)(1). Frampton Avenue has a posted speed limit of 25 miles per hour south of Pacific Coast Highway within the Project study area.

Normandie Avenue is a north-south oriented roadway located east of the Project Site. Within the Project study area, Normandie Avenue is designated as an Avenue I by the City. Two through travel lanes are provided in each direction on Normandie Avenue within the Project study area. Separate exclusive left-turn lanes are provided in each direction on Normandie Avenue at major intersections. Normandie Avenue has a posted speed limit of 35 miles per hour north of Pacific Coast Highway within the Project study area and a posted speed limit of 45 miles per hour south of Pacific Coast Highway within the Project study area.

Pacific Coast Highway is an east-west oriented roadway that borders the Project Site to the north. Within the Project study area, Pacific Coast Highway is designated as a Boulevard II by the City. Three through travel lanes are provided in each direction on Pacific Coast Highway within the Project study area. Separate exclusive left-turn lanes are provided in each direction on



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Figure 3-7
Existing Lane Configurations
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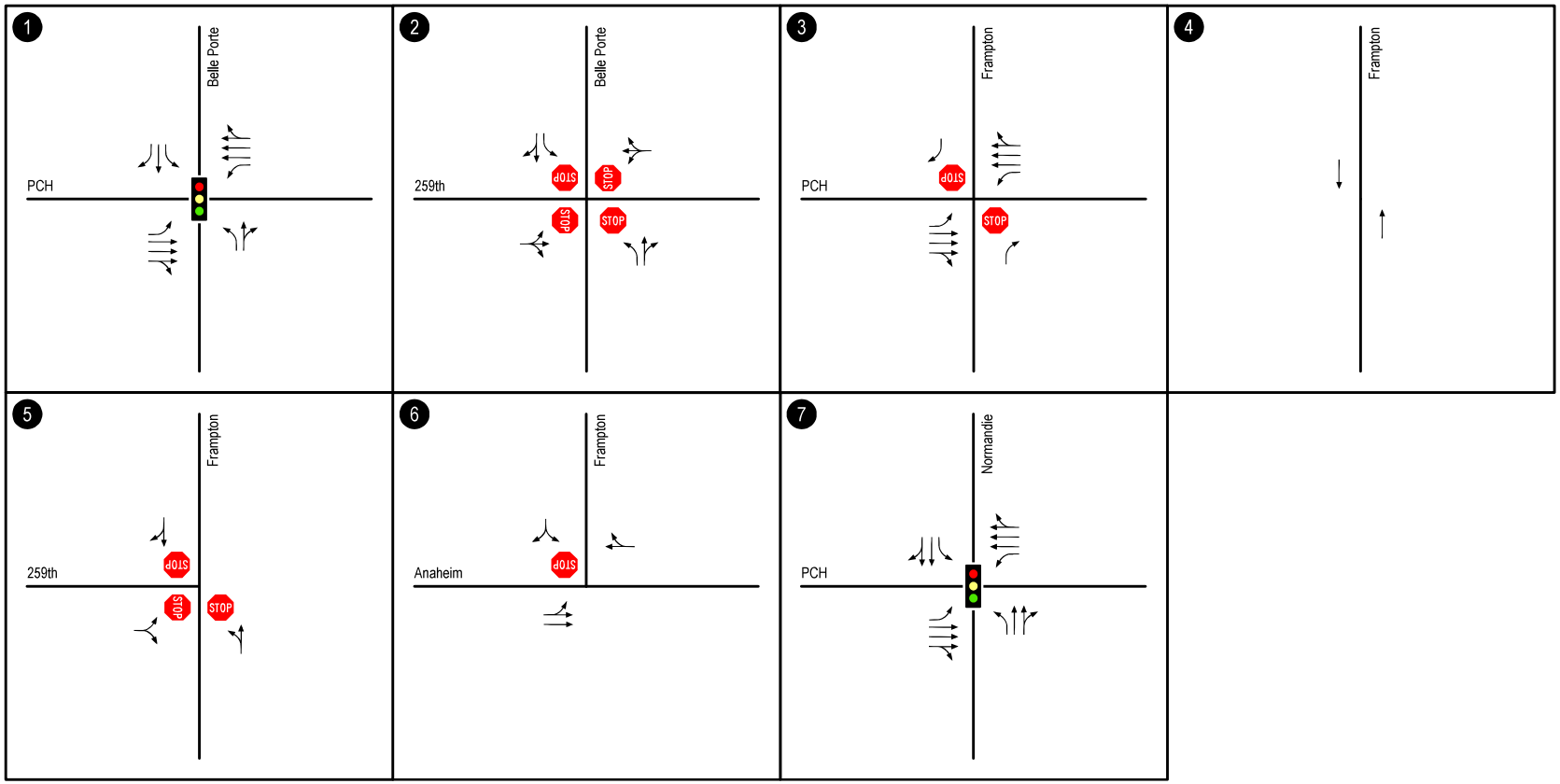

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Figure 3-7
Existing Lane Configurations
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Figure 3-8
Future Lane Configurations
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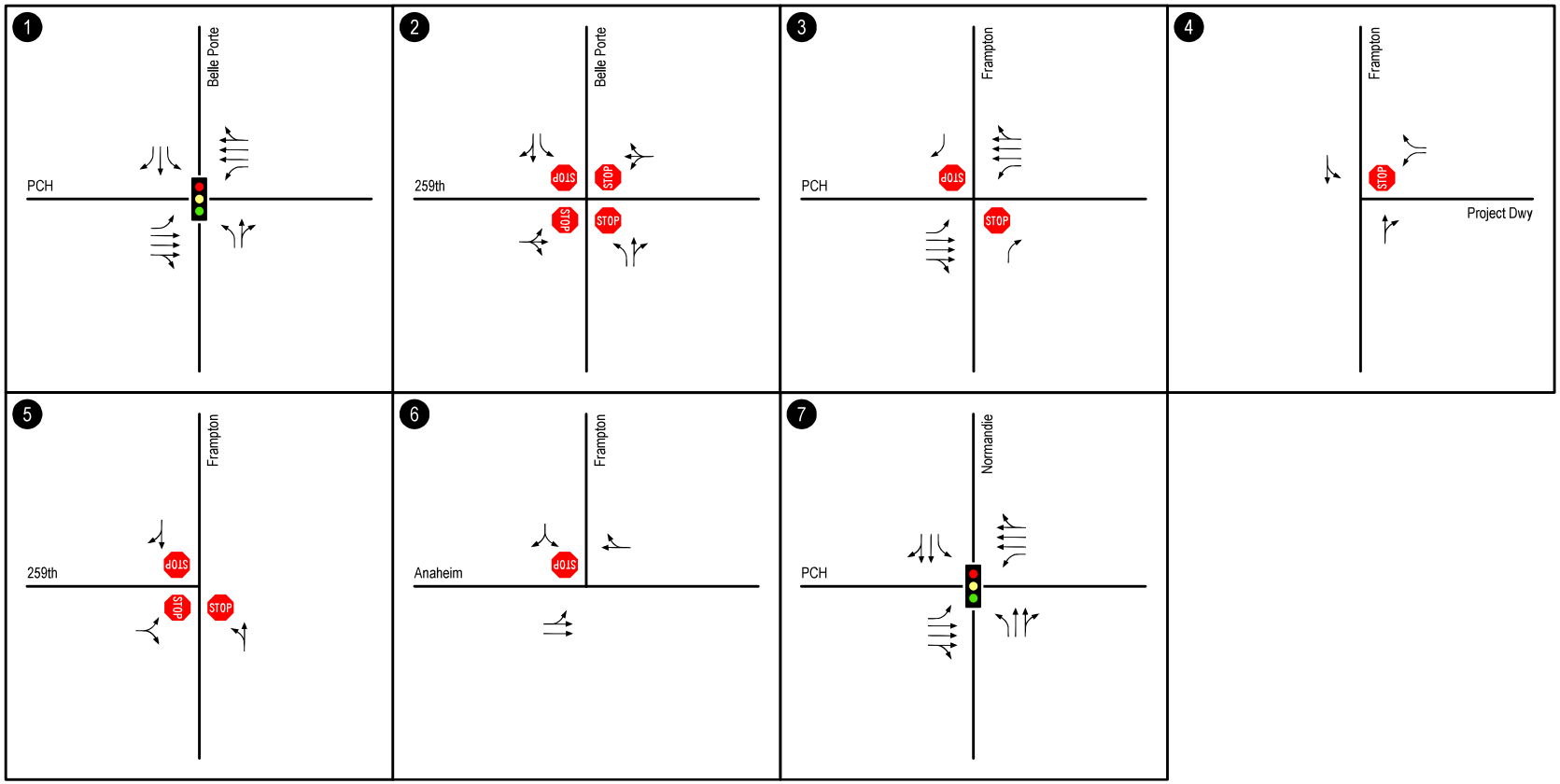

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Figure 3-8
Future Lane Configurations
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Pacific Coast Highway at the Belle Porte Avenue, Frampton Avenue, and Normandie Avenue intersections. Pacific Coast Highway has a posted speed limit of 35 miles per hour west of Normandie Avenue and a posted speed limit of 40 miles per hour east of Normandie Avenue within the Project study area.

259th Street is an east-west oriented roadway that borders the Project Site to the south. Within the Project study area, 259th Street is designated as a Local Street – Standard by the City. One through travel lane is provided in each direction on 259th Street within the Project study area. There is no speed limit posted on 259th Street within the Project study area, thus a prima facie speed limit of 25 miles per hour is assumed, consistent with California Vehicle Code Section 22352(b)(1).

Anaheim Street is an east-west oriented roadway located south of the Project Site. Within the Project study area, Anaheim Street is designated as an Avenue II by the City. Two through travel lanes are provided in the eastbound direction on Anaheim Street within the Project study area. One through travel lane is provided in the westbound direction on Anaheim Street within the Project study area. Anaheim Street has a posted speed limit of 35 miles per hour within the Project study area.

3.3.4 *City of Los Angeles High Injury Network*

Vision Zero[9] is a citywide initiative which prioritizes the safety of pedestrians and bicyclists on public streets, with the understanding that roads which are safe for vulnerable users will be safer for all users, in an effort to eliminate traffic fatalities. Key elements of the policy, such as reducing traffic speeds, are founded on the principles of engineering, education, enforcement, evaluation, and equity. Originating in Sweden, the policy has been adopted in numerous other North American cities, including California cities such as San Francisco and San Diego.

Mayor Eric Garcetti issued Executive Directive No. 10 in August 2015, formally launching the Vision Zero initiative in Los Angeles. Vision Zero is also a stated safety objective in the Mobility Plan 2035, which sets the goal of zero traffic deaths by 2035. Jointly directed by LADOT and the Police Department, Vision Zero takes a multi-disciplinary approach to identifying safety risk factors and implementing solutions on a citywide scale. Using a methodology originally developed by the San Francisco Public Health Department, the Vision Zero Task Force has identified streets where investments in safety will have the most impact in reducing severe injuries and traffic fatalities in the City. These roads are collectively known as the High Injury Network (HIN). The HIN will be reviewed by the LADOT's Vision Zero group for potential engineering re-design as well as educational and enforcement campaigns.

As shown in ***Figure 3–9***, roadways in the immediate vicinity of the Project which have been identified on the HIN are noted below:

- Pacific Coast Highway

[8] For reference, the street descriptions provided include designations under *Mobility Plan 2035*.
[9] Vision Zero Los Angeles 2015-2025, August 2015.

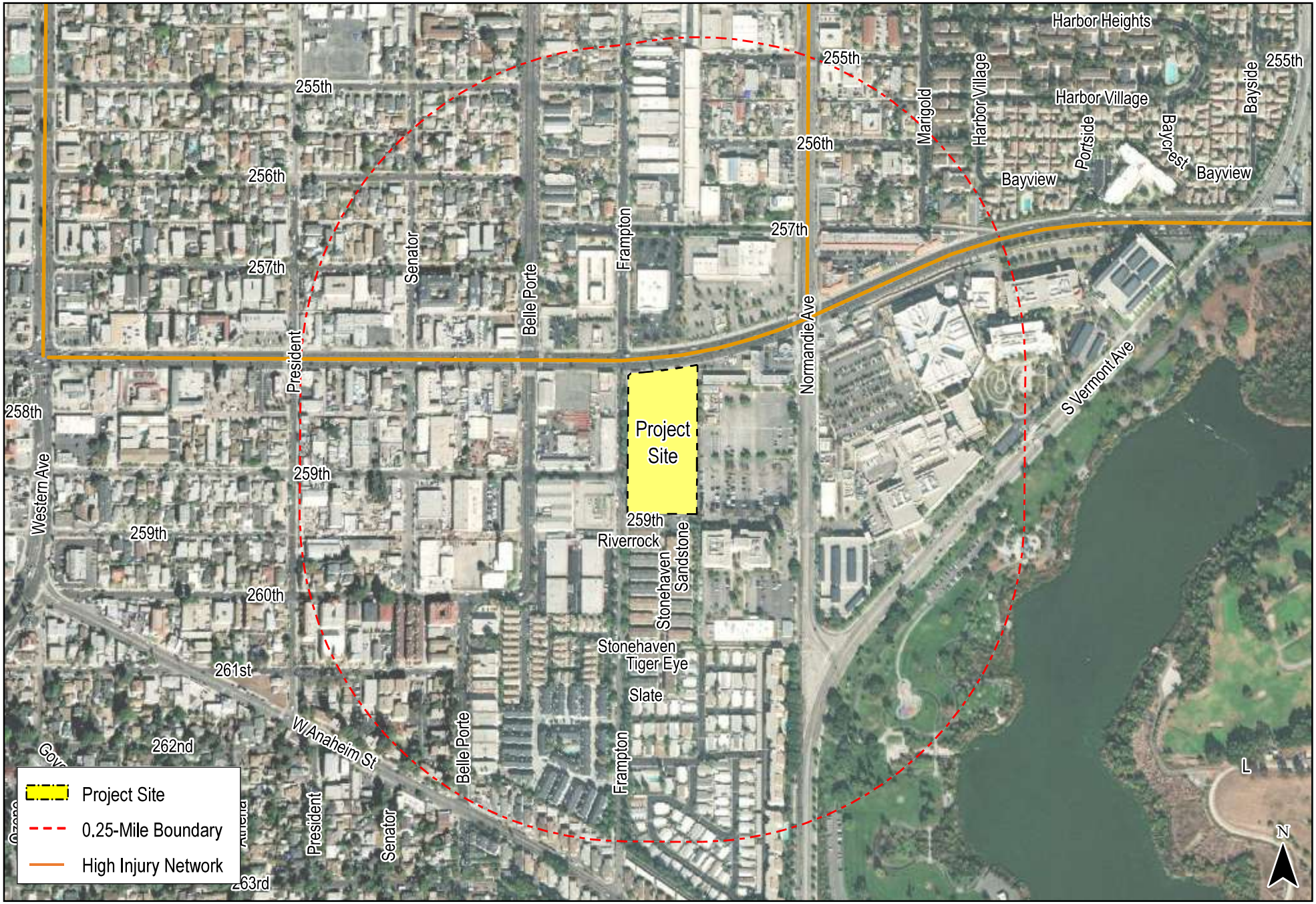

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Figure 3-9
High Injury Network

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- Normandie Avenue, north of Pacific Coast Highway

If a proposed project results in significant transportation impacts, LADOT's Vision Zero group will review those specific locations and immediate vicinity for potential safety enhancements that are consistent with the City's Vision Zero initiative.

3.4 Traffic Counts

In April 2020, LADOT issued guidance[10] to transportation consultants related to traffic count data to be used in transportation assessments prepared in accordance with the City's TAG. Because traffic count data could not be collected at the study intersections due to the COVID-19 pandemic, LADOT has directed transportation consultants to use historical data, with appropriate modifications to represent current (pre-pandemic) traffic volume conditions. For this transportation assessment, the following techniques were used to estimate current year (2021) peak hour turning movement traffic volumes at the study intersections:

- Belle Porte Avenue / Pacific Coast Highway: Historical traffic count data at this intersection was unavailable. Therefore, new weekday AM and PM peak hour traffic volume data was collected at this intersection on September 22, 2021.

- Belle Porte Avenue / 259th Street: Historical traffic count data at this intersection was unavailable. Therefore, new weekday AM and PM peak hour traffic volume data was collected at this intersection on September 22, 2021.

- Frampton Avenue / Pacific Coast Highway: Historical traffic count data at this intersection was unavailable. Therefore, new weekday AM and PM peak hour traffic volume data was collected at this intersection on September 22, 2021.

- Frampton Avenue / Project Driveway: The traffic count data approaching and departing the Frampton Avenue / 259th Street intersection were used to derive the northbound and southbound through volumes.

- Frampton Avenue / 259th Street: Historical traffic count data at this intersection was unavailable. Therefore, new weekday AM and PM peak hour traffic volume data was collected at this intersection on September 22, 2021.

- Frampton Avenue / Anaheim Street: Historical traffic count data at this intersection was unavailable. Therefore, new weekday AM and PM peak hour traffic volume data was collected at this intersection on September 22, 2021.

- Normandie Avenue / Pacific Coast Highway: Peak hour traffic volume data collected at this intersection in February 2020 (pre-pandemic) were increased by a 1.0% annual traffic growth rate through the year 2021 to estimate current year traffic volumes. Further discussion of the annual traffic growth rate is provided in Section 3.5.2.

[10] *Pandemic-related updates to LADOT's Transportation Assessment Requirements,* LADOT, April 17, 2020.

The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are shown in ***Figure 3–10***. Summary data worksheets of the manual traffic counts at the study intersections are contained in ***Appendix C***.

3.5 Cumulative Development Projects

3.5.1 *Related Projects*

A forecast of on-street traffic conditions prior to occupancy of the Project was prepared by incorporating the potential trips associated with other known development projects (related projects) in the area. With this information, the potential impact of the Project can be evaluated within the context of the cumulative impact of all ongoing development. The related projects research was based on information on file at LADOT. Per the TAG, related projects within a radius of one-quarter mile from the farthest outlying study intersection should be included. Therefore, related projects within a 0.53-mile radius (one-quarter mile past the farthest outlying study intersection, Frampton Avenue / Anaheim Street) of the Project Site should be included. However, based on information on file at LADOT, there are no related projects within a 0.53-mile radius of the Project Site. Therefore, related projects within a one-mile radius have been included. The list of related projects in the Project Site area is presented in ***Table 3–2***. The location of the related projects is shown in ***Figure 3–11***.

Traffic volumes expected to be generated by the related projects were calculated using rates provided in the ITE *Trip Generation Manual*. The related projects' respective traffic generation for the weekday AM and PM peak hours, as well as on a daily basis for a typical weekday, is summarized in *Table 3–2*. The distribution of the related projects traffic volumes to the study intersections during the weekday AM and PM peak hours are displayed in ***Figure 3–12***.

3.5.2 *Ambient Traffic Growth*

In order to account for unknown related projects not included in this analysis, the existing traffic volumes were increased at an annual rate of 1.0% per year to and including the year 2026 (i.e., the anticipated year of Project buildout). The ambient growth factor was based on general traffic growth factors provided in the *2010 Congestion Management Program for Los Angeles County* ("CMP manual") and determined in consultation with LADOT staff. It is noted that based on review of the general traffic growth factors provided in the CMP manual for the Project Site area (i.e., Regional Statistical Area [RSA] 19, Palos Verdes, which includes the Project Site), it is anticipated that the existing traffic volumes are expected to increase at an annual rate of approximately 0.19% per year between the years 2020 and 2026. Thus, application of an annual growth factor of 1.0% annual growth results in a conservative, worst-case forecast of future traffic volumes in the area as it substantially exceeds the annual traffic growth rate published in the CMP manual. Furthermore, the CMP manual's traffic growth rate is intended to anticipate future traffic generated by development projects in the Project vicinity. Thus, the inclusion in this traffic analysis of a forecast of traffic generated by known related projects plus the use of an ambient growth traffic factor based on CMP traffic model data results in an even more conservative estimate of future traffic volumes at the study intersections.



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Figure 3-10
Existing Traffic Volumes
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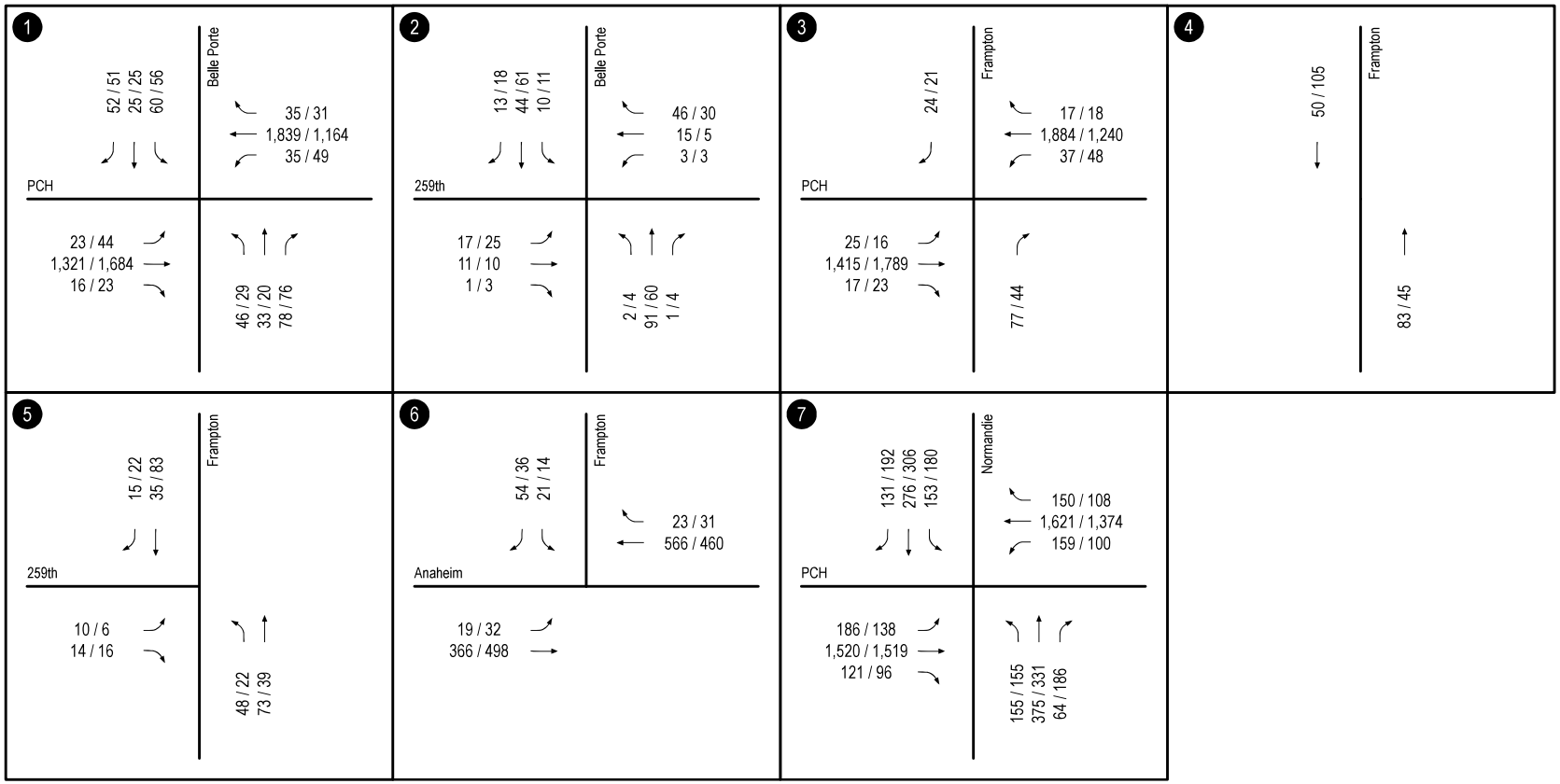

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Figure 3-10
Existing Traffic Volumes
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Table 3-2
RELATED PROJECTS LIST AND TRIP GENERATION [1]

09-Sep-21

MAP NO.	PROJECT NAME/ PROJECT NUMBER	PROJECT STATUS	ADDRESS/ LOCATION	LAND USE DATA		DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
				LAND-USE	SIZE		IN	OUT	TOTAL	IN	OUT	TOTAL
1	Del Lago Apartments	Hold	1450 W. Pacific Coast Highway	Apartments	204 DU	1,357	21	83	104	82	44	126
TOTAL						1,357	21	83	104	82	44	126

[1] Source: City of Los Angeles Department of Transportation Related Projects List.
[2] Trips are one-way traffic movements, entering or leaving.

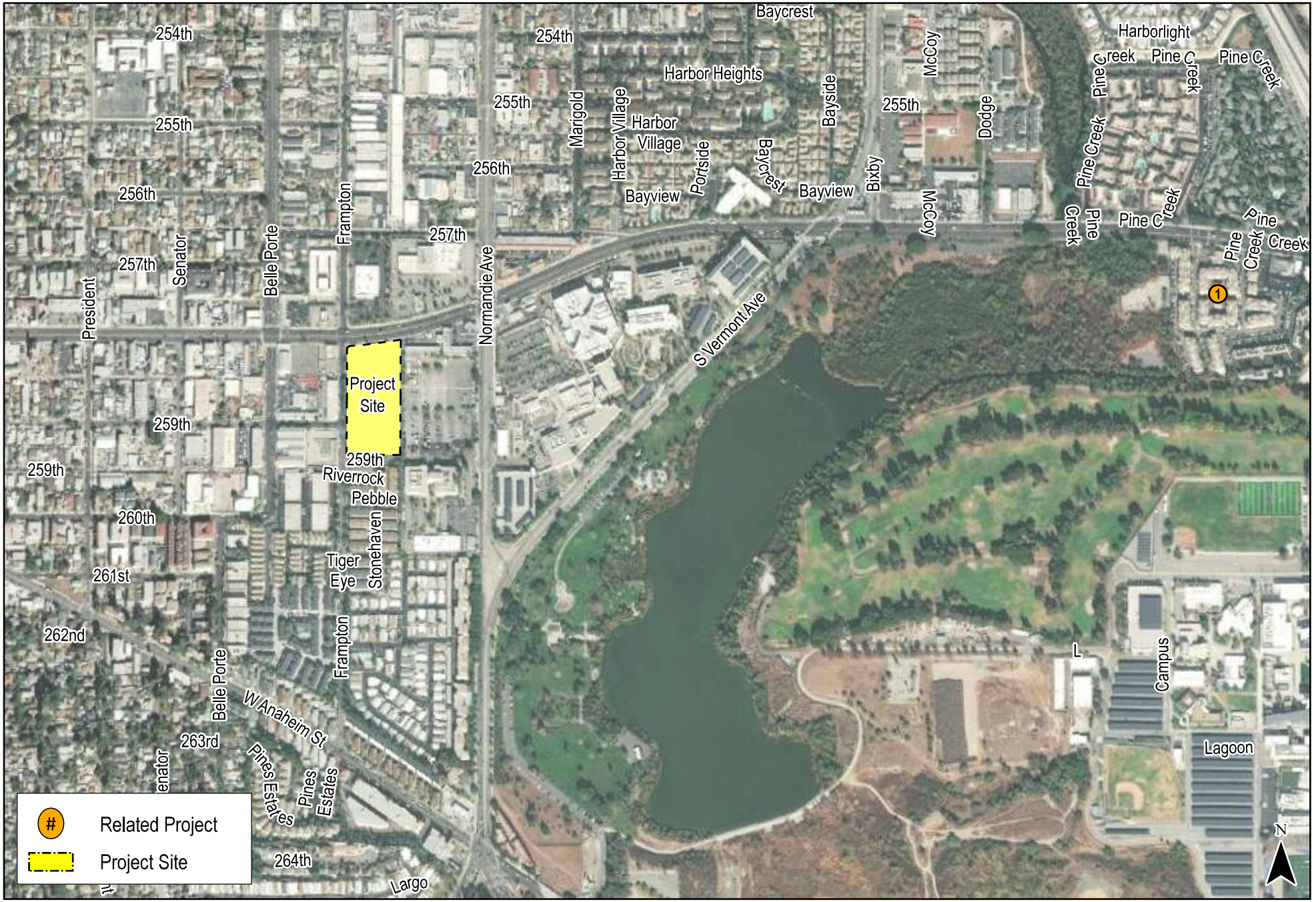

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Figure 3-11
Location of Related Projects

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Figure 3-12
Related Projects Traffic Volumes
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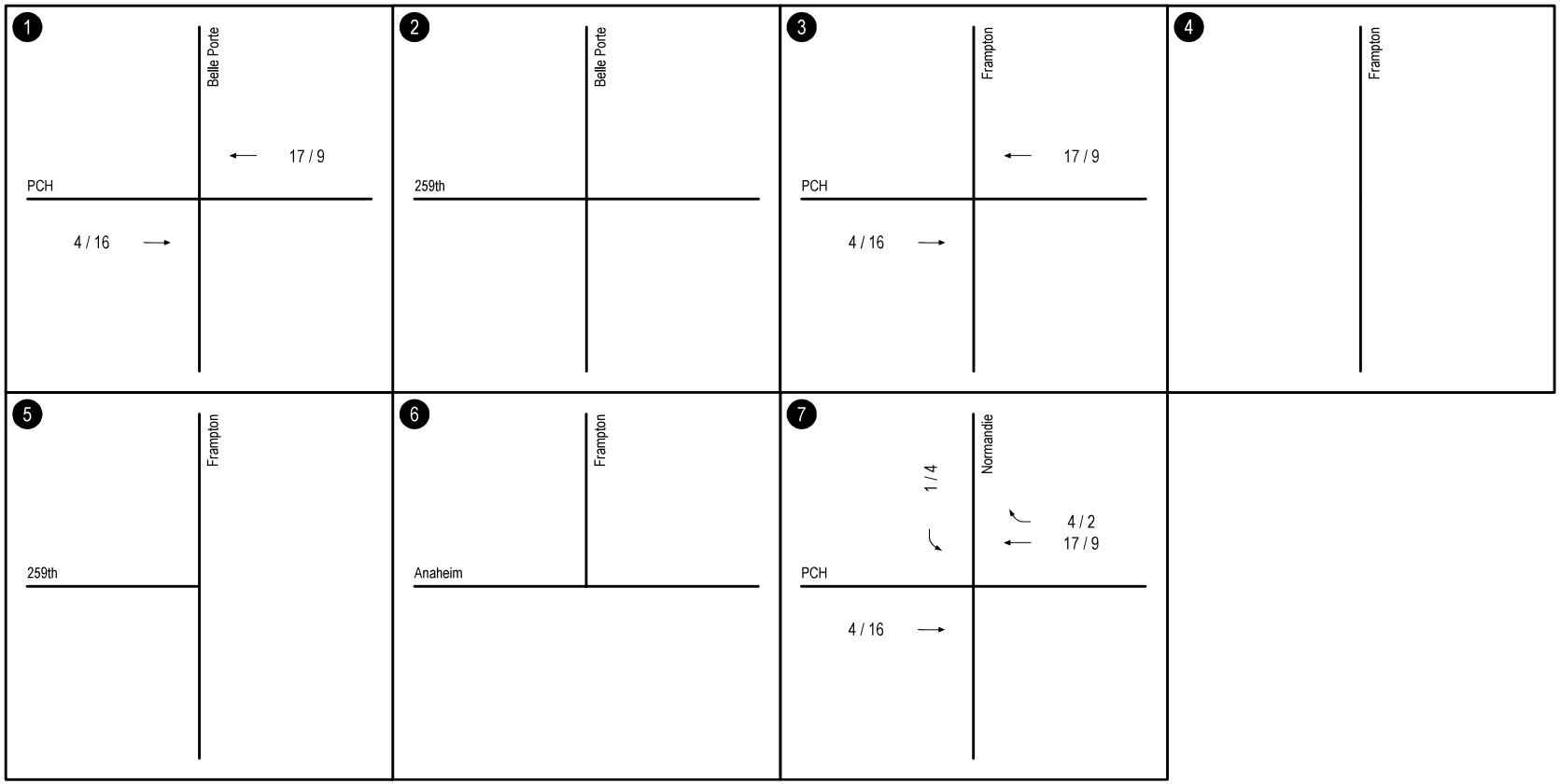

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Figure 3-12
Related Projects Traffic Volumes
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4.0 CEQA ANALYSIS OF TRANSPORTATION IMPACTS

4.1 Conflicting with Plans, Programs, Ordinances, or Policies (Threshold T-1)

The City aims to achieve an accessible and sustainable transportation system that meets the needs of all users. The City's adopted transportation-related plans and policies affirm that streets should be safe and convenient for all users of the transportation system, including pedestrians, bicyclists, motorists, public transit riders, disabled persons, senior citizens, children, and movers of commercial goods. Therefore, the transportation requirements for proposed developments should be generally consistent with the City's transportation-related plans and policies.

As stated in Section 2.1.1 of the TAG, proposed projects shall be analyzed to identify potential conflicts with adopted City plans and policies and, if there is a conflict, improvements that prioritize access for and improve the comfort of people walking, bicycling, and riding transit in order to provide safe and convenient streets for all users should be identified. Projects designed to encourage sustainable travel help to reduce vehicle miles traveled. This section provides a review of the screening criteria and a summary of the consistency of the Project with the City's adopted plans and policies.

4.1.1 *Screening Criteria*

Per Section 2.1.2 of the TAG, if the project requires a discretionary action, and the answer is yes to any of the following questions, further analysis is required to assess whether the Project would conflict with adopted City plans, programs, ordinances, or policies that establish the transportation planning framework for all travel modes:

- Does the project require a discretionary action that requires the decision maker to find that the decision substantially conforms to the purpose, intent, and provisions of the General Plan?
  - Yes, the Project requires a discretionary action.
- Is the project known to directly conflict with a transportation plan, policy, or program adopted to support multimodal transportation options or public safety?
  - No, the Project is not known to directly conflict with a transportation plan, policy, or program adopted to support multimodal transportation options or public safety.
- Is the project proposing to, or required to make any voluntary or required modifications to the public right-of-way (i.e., street dedications, reconfigurations of curb line, etc.)?
  - Yes, a two-foot right-of-way dedication requirement and a three-foot roadway widening with a new 15-foot sidewalk improvement is required for Pacific Coast Highway along the Project Site. A five-foot right-of-way dedication requirement and a new five-foot sidewalk improvement is required for Frampton Avenue along the Project Site. A ten-foot right-of-way dedication and a varying street widening

improvement to achieve an 18-foot half street width and new 12-foot sidewalk is required for 259th Street along the Project Site. All dedications and improvements will be confirmed with the City's Bureau of Engineering (BOE).

As the answer is "yes" to two of the screening criteria questions, further analysis is required to assess whether the Project would conflict with adopted City plans, programs, ordinances, or policies.

4.1.2 *Impact Criteria and Methodology*

The impact criteria set forth in Appendix G to the State CEQA Guidelines, as well as Section 2.1.3 of the City's TAG, regarding conflicts with plans, programs, ordinances, or policies (referred to as Threshold T-1 in the TAG) are as follows:

- Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities?

The threshold test is to assess whether a project would conflict with an adopted program, policy, plan, or ordinance that is adopted to protect the environment. In general, transportation policies or standards adopted to protect the environment are those that support multimodal transportation options and a reduction in VMT. Conversely, a project would not always have a significant impact merely based on whether or not it would implement a particular transportation-related program, plan, policy, or ordinance. Many of these programs must be implemented by the City itself over time, and over a broad area, and it is the intention of this threshold test to ensure that proposed development projects and plans do not preclude the City from implementing adopted programs, plans and policies.

The methodology for determining a project's transportation impact associated with conflicts with plans, programs, ordinances, or policies is describe in the TAG as follows:

- A project that generally conforms with and does not obstruct the City's development policies and standards will generally be considered to be consistent. The Project Applicant should review the documents and ordinances identified in the TAG (refer to Table 2.1-1 thereof) for City plans, policies, programs, ordinances and standards relevant to determining project consistency. TAG Attachment D: Plan Consistency Worksheet provides questions that must be answered in order to help guide whether the project conflicts with City circulation system policies. A "yes" or "no" answer to these questions does not determine a conflict. Rather, as indicated in TAG Attachment D, the Project Applicant must provide substantiating information to help determine whether the proposed project precludes the City's implementation of any adopted policy and/or program that was adopted to protect the environment. A mere conflict with adopted transportation related policies, or standards that require administrative relief or legislative change does not in itself constitute an impact.

- If vacation of a public right-of-way, or relief from a required street dedication is sought as part of a proposed project, an assessment should be made as to whether the right-of-way in question is necessary to serve a long-term mobility need, as defined in Mobility Plan 2035, transportation specific plan, or other planned improvement in the future.

Per Section 2.1.4 of the TAG, the analysis of cumulative impacts may be quantitative or qualitative. Each of the plans, ordinances, and policies reviewed to assess potential conflicts with proposed projects should be reviewed to assess cumulative impacts that may result from the proposed project in combination with other development projects in the study area. In addition, the cumulative analysis should also consider planned transportation system improvements within the study area as identified in consultation with LADOT.

Related projects to be considered in the cumulative analysis are known development projects located within a one-half mile radius of the Project Site. As discussed in Section 3.5.1, based on the information on file at LADOT, there are no related projects within a one-half mile of the Project Site. Please refer to the list of related projects identified in *Table 3–2* and *Figure 3–11* for the location of the related projects in relation to the Project Site.

4.1.3 *Review of Project Consistency*

This section provides a summary of the consistency review that compares the characteristics of the Project and site design features (i.e., including the site access and circulation scheme) with the City's relevant plans and policies. ***Appendix D*** provides the Plans, Policies, and Programs Worksheet from the TAG, and provide additional detail regarding the plans, programs, ordinances, and policies review.

As confirmed in *Appendix D*, the Project would not conflict with the relevant City plans, policies and programs and does not include any features that would preclude the City from completing and complying with these guiding documents and policy objectives. The Project will not conflict with any plans or policies that govern the public right-of-way, such as LADOT's Manual of Policy and Procedures (MPP) Section 321, Driveway Design, and the Citywide Design Guidelines – Guideline 2. The Project has been found to be consistent with the greenhouse gas (GHG) reduction targets forecasted in *Connect SoCal,* the SCAG RTP/SCS. Additionally, the Project has been found to be consistent with the transportation-related elements of the Plan for a Healthy Los Angeles (Healthy LA), Vision Zero, the Mobility Hubs Reader's Guide, the City's Walkability Checklist, and the Wilmington-Harbor City Community Plan.

Therefore, the Project would not conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities, and the impact would therefore be "less than significant". Furthermore, the Project Applicant will comply with existing applicable City ordinances (e.g., the City's existing TDM Ordinance in LAMC Section 12.26.J) and other requirements pursuant to the LAMC. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

4.1.4 *Review of Cumulative Consistency*

Per Section 2.1.4 of the TAG, the analysis of cumulative consistency requires consultation and confirmation with LADOT and the City's Department of City Planning (LADCP).

As with the Project, the related projects and any future development projects will include adequate bicycle facilities and include high density urban uses in proximity to the nearby multimodal transportation facilities. The related projects and any future development projects, as with the Project, would not conflict with adjacent street designations and classifications. Accordingly, there would be no significant cumulative impacts to which the Project, as well as other nearby related projects contribute to regarding transportation policies or standards adopted to protect the environment and support multimodal transportation options and a reduction in VMT.

Based on the discussion and conclusion in the preceding Section 4.1.3, the guiding language contained in the City's TAG, and review of related projects in the Project vicinity, this documentation is sufficient to demonstrate that there is also no cumulative inconsistency with the City's plans, policies, ordinances and programs, and therefore, the cumulative impacts of the Project would be less than significant. In addition, since the Project does not include any features that would preclude the City from completing and complying with these guiding documents and policy objectives, there is no cumulative inconsistency that can be determined.

4.2 VMT Analysis (Threshold T-2.1)

The State of California Governor's Office of Planning and Research (OPR) issued proposed updates to the CEQA Guidelines in November 2017 and an accompanying technical advisory guidance in April 2018 (*OPR Technical Advisory*) that amends the Appendix G question for transportation impacts to delete reference to vehicle delay and level of service and instead refer to Section 15064.3, subdivision (b)(1) of the CEQA Guidelines asking if the project will result in a substantial increase in vehicle miles traveled (VMT). Section 15064.3, subdivision (b)(1) states the following:

- Land Use Projects. Vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transit stop or a stop along an existing high-quality transit corridor should be presumed to cause a less than significant transportation impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be considered to have a less than significant transportation impact.

Comprehensive updates to the State CEQA Guidelines were certified and adopted by the California Natural Resources Agency in December 2018. Accordingly, the City adopted significance criteria for transportation impacts based on VMT for land use projects and plans in accordance with the amended Appendix G question:

- Threshold T-2.1: For a land use project, would the project conflict or be inconsistent with CEQA guidelines section 15064.3, subdivision (b)(1)?

For land use projects, the intent of this threshold is to assess whether a land use project causes substantial vehicle miles traveled. The City has developed the following screening and impact criteria to address this question. The criteria below are based on the OPR technical advisory but reflects local considerations.

If the project requires discretionary action, and the answer is no to either T-2.1-1 or T-2.1-2, further analysis will not be required for CEQA Threshold T-2.1, and a "no impact" determination can be made for that threshold:

- T-2.1-1: Would the land use project generate a net increase of 250 or more daily vehicle trips?

For purposes of screening the daily vehicle trips, a proposed project's daily vehicle trips should be estimated using the City's VMT Calculator tool or the most recent edition of the ITE *Trip Generation Manual*. TDM strategies should not be considered for the purposes of screening. If existing land uses are present on the project site or there were previously terminated land uses that meet the criteria for trip credits described in the trip generation methodology discussion (refer to Subsection 3.3.4.1 of the TAG), the daily vehicle trips generated by the existing or qualified terminated land uses can be estimated using the VMT Calculator tool and subtracted from the proposed project's daily vehicle trips to determine the net increase in daily vehicle trips.

- T-2.1-2: Would the project generate a net increase in daily VMT?

For the purpose of screening the VMT, a project's daily VMT should be estimated using the City's VMT Calculator tool or the City's Travel Demand Forecasting (TDF) model. TDM strategies should not be considered for the purpose of screening. If existing land uses are present on the project site or there were previously terminated land uses that meet the criteria for trip credits description in the trip generation methodology discussion (refer to Subsection 3.3.4.1 of the TAG), the daily VMT generated by the existing or qualified terminated land uses can be estimated using the City VMT Calculator tool and subtracted from the project's daily VMT to determine the net increase in daily VMT.

In addition to the above screening criteria, the portion of, or the entirety of a project that contains small-scale or local serving retail uses[11] are assumed to have less than significant VMT impacts. If the answer to the following question is no, then that portion of the project meets the screening criteria, and a no impact determination can be made for the portion of the project that contains retail uses. However, if the retail project is part of a larger mixed-use project, then the remaining portion of the project may be subject to further analysis in accordance with the above screening criteria. Projects that include retail uses in excess of the screening criteria would need to evaluate the entirety of the project's VMT, as specified in Subsection 2.2.4 of the TAG.

- If the project includes retail uses, does the portion of the project that contain retail uses exceed a net 50,000 square feet?

[11] As noted in the TAG, the definition of retail for this purpose includes restaurant.

4.2.1 *Impact Criteria and Methodology*

For development projects, the proposed project will have a potential VMT impact if the project meets the following:

- For residential projects, the project would generate household VMT per capita exceeding 15% below the existing average household VMT per capita for the Area Planning Commission (APC) area in which the project is located.

- For office projects, the project would generate work VMT per employee exceeding 15% below the existing average work VMT per employee for the APC in which the project is located.

- For regional serving retail projects, the project would result in a net increase in VMT.

- For other land use types, measure VMT impacts for the work trip element using the criteria for office projects above.

Different VMT significance thresholds have been established for each APC boundary area as the characteristics of each are distinct in terms of land use, density, transit availability, employment, etc. The City's significance thresholds (i.e., provided on a daily household VMT per capita basis and a daily work VMT per employee basis) for each of the seven APC boundary areas are presented in ***Table 4–1***. As the Project Site is located within the Harbor APC, the VMT impact criteria (i.e., 15% below the APC average) applicable to the Project is 9.2 Daily Household VMT per Capita and 12.3 Daily Work VMT per Employee.

The impact methodology set forth in the TAG for a mixed-use project such as the Project is as follows:

- Mixed-Use Projects. The project VMT impact should be considered significant if any one (or all) of the project land uses exceed the impact criteria for that particular land use, taking credit for internal capture. In such cases, mitigation options that reduce the VMT generated by any or all of the land uses could be considered.

4.2.2 *Summary of Project VMT Analysis*

The daily vehicle trips and VMT expected to be generated by the Project were forecast using Version 1.3 of the City's VMT Calculator tool. Copies of the detailed City of Los Angeles VMT Calculator worksheets for the proposed project are contained in *Appendix B*. As indicated in the summary VMT Calculator worksheet, the Project is forecast to generate the following:

- The Project is estimated to generate a total of 1,906 daily vehicle trips and 1,760 net new daily vehicle trips.

    - As described in Section 2.8.1 herein, it is noted that Version 1.3 of the City's VMT Calculator does not include a Mobile Home Park land use. In accordance with the TAG, the "Custom Land Use Type" featured was used to input daily trips associated

Table 4-1
CITY OF LOS ANGELES VMT IMPACT CRITERIA [1]

AREA PLANNING COMMISSION	15% BELOW APC CRITERIA [2]	
	DAILY HOUSEHOLD VMT PER CAPITA	DAILY WORK VMT PER EMPLOYEE
Central	6.0	7.6
East Los Angeles	7.2	12.7
Harbor	**9.2**	**12.3**
North Valley	9.2	15.0
South Los Angeles	6.0	11.6
South Valley	9.4	11.6
West Los Angeles	7.4	11.1

[1] Source: *LADOT Transportation Assessment Guidelines,* July 2020.

[2] The development project will have a potential impact if the project meets the following:
- For residential projects, the project would generate household VMT per capita exceeding 15% below the existing average household VMT per capita for the APC area in which the project (refer to above [source: Table 2.2-1 of the TAG]).
- For office projects, the project would generate work VMT per employee exceeding 15% below the existing average work VMT per employee for the APC in which the project is located (refer to above [source: Table 2.2-1 of the TAG]).
- For retail projects, the project would result in a net increase in VMT.
- For other land use types, measure VMT impacts for the work trip element using the criteria for office project above (source: Table 2.2-1 of the TAG).

with the existing A-1 Mobile Home Park. The ITE Land Use Code 240 (Mobile Home Park) trip generation average rate was used to estimate the daily trip reduction related to the existing use. The existing A-1 Mobile Home Park is estimated to generate 189 daily vehicle trips on a typical weekday and was the daily trip value utilized within Version 1.3 of the City's VMT Calculator.

- The estimated Daily Household VMT per Capita for the Project is 7.1 Daily Household VMT per Capita, which is less than the Harbor APC significance threshold of 9.2 Daily Household VMT per Capita.

- Per the TAG, the Project's commercial component, which totals 1,500 square feet, is considered a local-serving retail use. As the commercial component provides less than 50,000 square feet, the Project's commercial component would result in a "less than significant" VMT impact.

It is noted that the Project will include bike parking per the requirements of the LAMC as TDM Project Design Feature, as described in Section 2.9 herein. Thus, based on the above analyses, the Project is not expected to result in a significant VMT impact. Therefore, no mitigation is necessary as it relates to VMT.

4.2.3 *Summary of Cumulative VMT Analysis*

As stated in the City's TAG document (refer to Section 2.2.4 thereof), analyses should consider both short-term and long-term project effects on VMT. Short-term effects are evaluated in the detailed Project-level VMT analysis summarized above. Long-term, or cumulative, effects are determined through a consistency check with SCAG's RTP/SCS. The RTP/SCS is the regional plan that demonstrates compliance with air quality conformity requirements and greenhouse gas (GHG) reduction targets. As such, projects that are consistent with this plan in terms of development, location, density, and intensity, are part of the regional solution for meeting air pollution and GHG goals. Projects that are deemed to be consistent would have a less than significant cumulative impact on VMT. Development in a location where the RTP/SCS does not specify any development may indicate a significant impact on transportation. However, as noted in the City's TAG document, for projects that do not demonstrate a project impact by applying an efficiency-based impact threshold (i.e., VMT per capita or VMT per employee) in the analysis, a less than significant project impact conclusion is sufficient in demonstrating there is no cumulative VMT impact. Projects that fall under the City's efficiency-based impact thresholds are already shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS.

Based on the above Project-related VMT analysis and the conclusions reported in Section 4.2.2 (i.e., which conclude that the Project falls under the City's efficiency-based impact thresholds and thus are already shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS), the Project's cumulative VMT impact would be less than significant.

4.3 Geometric Design (Threshold T-3)

As stated in the City's TAG (refer to Section 2.4.1 thereof), impacts regarding the potential increase of hazards due to a geometric design feature generally relate to the design of access points to and from the project site, and may include safety, operational, or capacity impacts. Impacts can be related to vehicle/vehicle, vehicle/bicycle, or vehicle/pedestrian conflicts as well as to operational delays caused by vehicles slowing and/or queuing to access a project site. These conflicts may be created by the driveway configuration or through the placement of project driveway(s) in areas of inadequate visibility, adjacent to bicycle or pedestrian facilities, or too close to busy or congested intersections. Evaluation of access impacts require details relative to project land use, size, design, location of access points, etc. These impacts are typically evaluated for permanent conditions after project completion but can also be evaluated for temporary conditions during project construction. Project access can be analyzed in qualitative and/or quantitative terms, and in conjunction with the review of internal site circulation and access to parking areas. All proposed site access points should be evaluated.

4.3.1 *Screening Criteria*

If the project requires a discretionary action, and the answer is "yes" to either of the following questions, further analysis will be required to assess whether the project would result in impacts due to geometric design hazards or incompatible uses:

- Is the project proposing new driveways, or introducing new vehicle access to the property from the public right-of-way?

  - Yes, the Project proposes to introduce new vehicular access to the property from the public right-of way. The Project will remove the existing Frampton Avenue driveway and add a new driveway further south along the Project Site's Frampton Avenue frontage, away from the Pacific Coast Highway intersection. This driveway will serve as the vehicular access point to the Project. Additionally, the Project will remove the existing driveways along the Project Site's 259th Street frontage and add a driveway at the terminus of the 259th Street cul-de-sac, at the southeasterly portion of the Project Site. This driveway will provide access to the Project's loading zone. Upon completion of the Project, there will continue to be one driveway along the Project Site's Frampton Avenue frontage, the number of driveways along the Project Site's 259th Street frontage will be reduced from two to one, and the number of driveways along the Project Site's Pacific Coast Highway frontage will be reduced from two to zero.

- Is the project proposing to, or required to make any voluntary or required modifications to the public right-of-way (i.e., street dedications, reconfigurations of curb line, etc.)?

  As stated in the City's TAG document (refer to Section 2.4.2 thereof), for the purpose of the screening for projects that are making physical changes to the public right-of-way, determine the street designation and improvement standard for any project frontage along streets classified as an Avenue or Boulevard (as designated in the City's General Plan)

using the Mobility Plan 2035, or NavigateLA. If any street fronting the project site is an Avenue or Boulevard and it is determined that additional dedication, or physical modifications to the public right-of-way are proposed or required, the answer to this question is yes. For projects not subject to dedication and improvement requirements under the LAMC, though the project does propose dedications or physical modifications to the public right-of-way, the answer to this question is yes. Based on a review of the Project, the following answer is provided:

- Yes, a two-foot right-of-way dedication requirement and a three-foot roadway widening with a new 15-foot sidewalk improvement is required for Pacific Coast Highway along the Project Site. A five-foot right-of-way dedication requirement and a new five-foot sidewalk improvement is required for Frampton Avenue along the Project Site. A ten-foot right-of-way dedication and a varying street widening improvement to achieve an 18-foot half street width and new 12-foot sidewalk is required for 259th Street. All dedications and improvements will be confirmed with BOE.

As the answer is "yes" to the two screening criteria questions, further analysis is required to assess whether the Project would result in impacts due to geometric design hazards or incompatible uses.

4.3.2 *Impact Criteria and Methodology*

The impact criteria set forth in Appendix G of the CEQA Guidelines, as well as the City's TAG for substantially increasing hazards due to a geometric design feature or incompatible use (referred to a Threshold T-3) is defined as follows:

- Threshold T-3: Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

  - No, the Project would not substantially increase hazards due to a geometric design feature. Vehicular access to the Project Site will be provided via one driveway along the east side of Frampton Avenue. Additionally, access to the Project's loading area will be provided via one driveway at the terminus of the 259th Street cul-de-sac. The Project's driveways will be designed per City standards. Furthermore, upon completion of the Project, there will continue to be one driveway along the Project Site's Frampton Avenue frontage, the number of driveways along the Project Site's 259th Street frontage will be reduced from two to one, and the number of driveways along the Project Site's Pacific Coast Highway frontage will be reduced from two to zero.

Preliminary project access plans are to be reviewed in light of commonly accepted traffic engineering design standards to ascertain whether any deficiencies are apparent in the site access

plans which would be considered significant. The determination of significance shall be on a case-by-case basis, considering the following factors:

- The relative amount of pedestrian activity at project access points.
- Design features/physical configurations that affect the visibility of pedestrians and bicyclists to drivers entering and exiting the site, and the visibility of cars to pedestrians and bicyclists.
- The type of bicycle facilities the project driveway(s) crosses and the relative level of utilization.
- The physical conditions of the site and surrounding area, such as curves, slopes, walks, landscaping or other barriers, that could result in vehicle/pedestrian, vehicle/bicycle, or vehicle/vehicle impacts.
- The project location, or project-related changes to the public right-of-way, relative to proximity to the High Injury Network or a Safe Routes to School program area.
- Any other conditions, including the approximate location of incompatible uses that would substantially increase a transportation hazard.

With respect to vehicle, bicycle and pedestrian safety impacts, the City's TAG (refer to Section 2.4.4 thereof) indicate that a review of all project access points, internal circulation, and parking access from an operational and safety perspective (for example, turning radii, driveway queuing, line of sight for turns into and out of project driveway[s]) should be conducted. Where project driveways would cross pedestrian facilities or bicycle facilities (bike lanes or bike paths), operational and safety issues related to the potential for vehicle/pedestrian and vehicle/bicycle conflicts and the severity of consequences that could result should be considered. In areas with moderate to high levels of pedestrian or bicycle activity, the collection of pedestrian or bicycle count data may be required.

4.3.3 *Qualitative Review of Site Access Points*

As discussed in Section 3.3.2 herein, the Project Site has frontage along Pacific Coast Highway, a Boulevard II with a posted speed limit of 35 miles per hour, Frampton Avenue, a Local Street – Standard with a posted speed limit of 25 miles per hour, and 259th Street, a Local Street – Standard with an assumed speed limit of 25 miles per hour. The Project will improve the pedestrian experience along these corridors, including at the Project Site access points, which will enhance connections to and from the numerous pedestrian destinations in the direct vicinity of the Project Site. As previously noted, the Project will improve the sidewalks along the Pacific Coast Highway property frontage and construct new sidewalks along the Frampton Avenue and 259th Street property frontages to enhance the pedestrian experience and ensure ADA compliance. The sidewalk and driveway improvements will be designed to improve conditions for all modes of travel and reduce the potential for vehicle/pedestrian conflicts at the driveways. Excellent line of sight is provided for all modes of travel (motorists, pedestrians, and bicyclists)

at the Project Site driveways. Improved sidewalks will be provided along the Project Site's Pacific Coast Highway frontage, and new sidewalks will be provided along the Project Site's Frampton Avenue and 259th Street frontages. Signalized crossings are provided within convenient walking distance to the Project Site along Pacific Coast Highway. The Project will remove the two existing driveways and will not add driveways along the Project Site's Pacific Coast Highway frontage. The Project will shift the existing Frampton Avenue driveway further south, away from the Pacific Coast Highway intersection. The Project will not increase the number of driveways along the Project Site's Frampton Avenue frontage. While the Project will add a new driveway along the Project Site's 259th Street frontage, the Project will remove the existing driveways along the Project Site's 259th Street frontage, reducing the number of curb cuts along the Project Site's 259th Street frontage from two to one. The Project Site is located on flat terrain and the physical condition of the Project Site and proposed entry/exit points would be improved in conjunction with the Project, therefore, the potential for vehicle/pedestrian, vehicle/bicycle, or vehicle/vehicle impacts would be reduced. Pacific Coast Highway is noted in the City's HIN. However, the Project will not preclude the City from making future improvements along the Project Site's Pacific Coast Highway frontage. Given the existing physical conditions of the Project Site and planned reduction of curb cuts along Pacific Coast Highway and 259th Street, no safety concerns related to geometric design are noted.

The driveways would be designed to comply with LADOT standards. The driveways would not require the removal or relocation of existing passenger transit stops and would be designed and configured to avoid or minimize potential conflicts with transit services and pedestrian traffic. No security gates or other parking control features are proposed along the Project Site driveways in close proximity to the public right-of-way. As discussed in a following section, no excessive vehicle queuing is anticipated at the Project Site driveways. The driveways will be designed to meet City standards to ensure adequate maneuvering by vehicles entering and exiting the Project Site. Therefore, it can be determined that the Project would not substantially increase hazards due to a geometric design feature or incompatible use, and a less than significant impact determination can be reached.

4.4 Freeway Safety Analysis

It is noted that the City issued an interim guidance on the preparation of a freeway safety analysis for land use projects.[12] If the answer is yes to the following question, a freeway safety analysis will be required to assess whether the project would lengthen a forecasted off-ramp queue and create speed differentials between vehicles exiting freeway off-ramps and vehicles operation on the freeway mainline:

- Does the land use project add 25 or more trips to any nearby freeway off-ramp serving the project site in either the morning or afternoon peak-hour?

[12] *LADOT Transportation Assessments – Interim Guidance for Freeway Safety Analysis,* City of Los Angeles Department of Transportation, May 2020.

- No, as shown in ***Figure 4–1***, the Project does not add 25 or more trips to any nearby freeway off-ramp serving the Project Site in either the morning or afternoon peak hour.

As the answer is "no" to the screening criteria question (i.e., the Project will not add 25 or more trips to nearby freeway off-ramps serving the Project Site during either the AM of PM peak hour), a freeway safety analysis is not required and the Project would result in a less than significant freeway safety impact.

4.5 CEQA Transportation Measures

4.5.1 *Transportation Demand Management*

The Project includes one TDM strategy to be implemented as a Project Design Feature and is described in detail in Section 2.9 above. The TDM strategy includes:

- Include Bike Parking per LAMC.

The Project Applicant will comply with existing applicable City ordinances (e.g., the City's existing TDM Ordinance, referred to in the LAMC Section 12.26.J) and the other requirements per the City's Municipal Code. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

4.5.2 *CEQA Transportation Summary*

Based on the findings above, it can be determined that the Project will not conflict with City plans, policies, ordinances and programs, will not result in a significant VMT impact, will not substantially increase hazards due to a geometric design feature, and will not cause a freeway safety impact. Therefore, a "less than significant" determination can be made as related to the CEQA analysis. No transportation mitigation measures are required or recommended.



LINSCOTT LAW & GREENSPAN engineers

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Date: 7/1/2021
Time: 9:30 AM

Port of Long Beach, Maxar

Figure 4-1
Net New Freeway Off-Ramp Traffic Volumes

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5.0 NON-CEQA ANALYSIS

The authority for requiring non-CEQA transportation analysis and potentially requiring improvements to address identified deficiencies lies in the City of Los Angeles' Site Plan Review authority as established in LAMC Section 16.05. As provided in Section 16.05:

> "The purposes of site plan review are to promote orderly development, evaluate and mitigate significant environmental impacts, and promote public safety and the general welfare by ensuring that development projects are properly related to their sites, surrounding properties, traffic circulation, sewers, other infrastructure and environmental setting; and to control or mitigate the development of projects which are likely to have a significant adverse effect on the environment as identified in the City's environmental review process, or on surrounding properties by reason of inadequate site planning or improvements."

Additional authority is found in other City ordinances, such as certain transportation specific plans. The impacts, also referred to as deficiencies, discussed in the City's TAG are not intended to be interpreted as thresholds of significance, or significance criteria for purposes of CEQA review unless otherwise specifically identified (refer to Section 4.0).

5.1 Pedestrian, Bicycle, and Transit Access

The assessment of pedestrian, bicycle, and transit facilities is intended to determine a project's potential effect on pedestrian, bicycle, and transit facilities in the vicinity of a project. The deficiencies could be physical (through removal, modification, or degradation of facilities) or demand-based (by adding pedestrian or bicycle demand to inadequate facilities).

5.1.1 *Screening Criteria*

Per Section 3.2.2 of the TAG, if the answer is yes to all of the following questions, further analysis is required to assess whether the Project would negatively affect existing pedestrian, bicycle, or transit facilities:

- Does the land use project involve a discretionary action that would be under review by LADCP?
  - Yes, the Project involved a discretionary action that would be under review by LADCP.
- Does the land use project include the construction, or addition of 50 dwelling units or guestrooms or combination thereof, or 50,000 square feet of non-residential space?
  - Yes, the Project proposes the construction of 312 market-rate residential apartment dwelling units and 42 affordable family housing units. Additionally, the Project proposes the construction of 1,500 square feet of new ground-floor commercial floor area.

- Would the project generate a net increase of 1,000 or more daily vehicle trips, or is the project's frontage along a street classified as an Avenue or Boulevard (as designated in the City General Plan), 250 linear feet or more, or is the project's building frontage encompassing an entire block along a street classified as an Avenue or Boulevard by the City's General Plan?

    - Yes, the Project will generate a net increase 1,000 or more daily vehicle trips. As indicated on the Screening Tab of the City's VMT Calculator (Page 1 of *Appendix B*), the Project will generate 1,760 net new daily vehicle trips. The Project Site's frontage along Pacific Coast Highway, which is designated as a Boulevard II by the City, is approximately 282 feet. The Project Site's frontage does not encompass an entire block.

As the answer is "yes" to all of the screening criteria, further analysis is required to assess whether the Project would negatively affect existing pedestrian, bicycle, or transit facilities.

5.1.2 *Evaluation Criteria*

Factors to consider when assessing a project's potential effect on pedestrian, bicycle and transit facilities, include, but are not limited to, the following:

- Would a project directly or indirectly result in a permanent removal or modification that would lead to the degradation of pedestrian, bicycle, or transit facilities, such as:

    - Removal or degradation of existing sidewalks, crosswalks, pedestrian refuge islands, and/or curb extensions/bulbouts

    - Removal or degradation of existing bikeways and/or supporting facilities (e.g., bikeshare stations, on-street bike racks/parking, bike corrals, etc.)

    - Removal or degradation of existing transit and/or local circulator facilities including stop, bench, shelter, concrete pad, bus lane, or other amenities

    - Removal of other existing transportation system elements supporting sustainable mobility

    - Increase street crossing distance for pedestrians; increase in number of travel/turning lanes; increase in turning radius or turning speeds

    - Removal, degradation, or narrowing of an existing sidewalk, path, crossing, or pedestrian access way

    - Removal or narrowing of existing sidewalk-street buffering elements (e.g., curb extension, parkway, planting strip, street trees, etc.)

- Would a project intensify use of existing pedestrian, bicycle, or transit facilities, such as:

- Increase in pedestrian or vehicle volume, and thereby increase the need or attraction to cross a street at unmarked pedestrian crossings or unsignalized or uncontrolled intersections where a crossing is not available without significant rerouting. Refer to the Guidelines for Marked Crosswalks Across Uncontrolled Locations, in LADOT's MPP Section 344, or Guidelines for Traffic Signals in MPP Section 353 to determine approval and warrant criteria for an additional crossing.

- Result in new pedestrian demand between project site entries/exits and major destinations or transit stops expected to serve the development where there are missing pedestrian facilities (e.g., gaps in the sidewalk network) or substandard pedestrian facilities (e.g., narrow or uneven sidewalks, no crosswalks at intersections or mid-block, no marked crossing, or push button crossing rather than actuated, etc.).

- Increase transit demand at bus stops that lack marked crossings, with insufficient sidewalks, or are in isolated, or unlit areas.

The locations and descriptions of pedestrian, bicycle and transit facilities in the Project Site vicinity that could be affected by Project-related traffic or by users traveling between the Project Site and nearby destinations is presented in Section 3.0 herein. Potential pedestrian destinations located within an approximately one-quarter mile (i.e., 1,320 feet) radius from the Project Site are noted in *Figure 3–1*. The existing pedestrian, bicycle, and transit facilities within a one-quarter mile (i.e., 1,320 feet) radius from the Project Site are noted in *Figure 3–2*. The location of the existing and future bicycle facilities within the immediate Project Site vicinity is shown in *Figure 3–5*. The location of the City's PEDs and NEN within the immediate Project Site vicinity and in the surrounding area is shown in *Figures 3–3* and *3–4*, respectively.

5.1.3 *Results of Qualitative Access Review*

Table 5–1 summarizes the City's criteria associated with the two guiding questions regarding the pedestrian, bicycle, and transit access assessment and the determination of potential Project-related effect on the subject facilities in the vicinity of the Project. The determination is based on whether the Project would create deficiencies that could be physical (through removal, modification, or degradation of facilities) or demand-based (by adding pedestrian or bicycle demand to inadequate facilities). As indicated in *Table 5–1*, the Project does not include any features that would permanently remove, adversely modify, or degrade pedestrian, bicycle, and transit facilities in the Project vicinity. As also noted in *Table 5–1*, it is possible that the Project may nominally intensify use of pedestrian, bicycle, and transit facilities in the Project vicinity. However, such nominally intensified use is not expected to result in a deficient condition. As also shown in *Table 5–1*, the Project has the potential to nominally increase pedestrian activity to an existing unmarked crossing (e.g., across Frampton Avenue at Pacific Coast Highway), but this is not expected to result in a deficient condition.

It is noted that the Project Site's Pacific Coast Highway frontage is included on the HIN. As such, it is understood that LADOT staff may coordinate internal review with the Vision Zero

Table 5-1
PROJECT EVALUATION OF PEDESTRIAN, BICYCLE, AND TRANSIT ACCESS

11-Nov-21

CRITERIA	PROJECT RESPONSE	FURTHER QUANTITATIVE ASSESSMENT?
PERMANENT REMOVAL OR MODIFICATION OF FACILITIES		
Removal or degradation of existing sidewalks, crosswalks, pedestrian refuge islands, and/or curb extensions/bulbouts.	**No**	**No**
Removal or degradation of existing bikeways and/or supporting facilities (e.g., bikeshare stations, on-street bike racks/parking, bike corrals, etc.).	**No**	**No**
Removal or degradation of existing transit and/or local circulator facilities including stop, bench, shelter, concrete pad, bus lane, or other amenities.	**No**	**No**
Removal of other existing transportation system elements supporting sustainable mobility.	**No**	**No**
Increase street crossing distance for pedestrians; increase in number of travel/turning lanes; increase in turning radius or turning speeds.	**No**	**No**
Removal, degradation, or narrowing of an existing sidewalk, path, crossing, or pedestrian access way.	**No**	**No**
Removal or narrowing of existing sidewalk-street buffering elements (e.g., curb extension, parkway, planting strip, street trees, etc.).	**No**	**No**
INTENSIFY USE OF FACILITIES		
Increase in pedestrian or vehicle volume, and thereby increase the need or attraction to cross a street at unmarked pedestrian crossings or unsignalized or uncontrolled intersections where a crossing is not available without significant rerouting. Refer to the Guidelines for Marked Crosswalks Across Uncontrolled Locations, in LADOT's Manual of Policies and Procedures (MPP) Section 344, or Guidelines for Traffic Signals in MPP Section 353 to determine approval and warrant criteria for an additional crossing.	**The Project may nominally increase pedestrians attempting to cross Pacific Coast Highway at the Frampton Avenue intersection. Signalized crossings are available approximately 350 feet west of the Frampton Avenue / Pacific Coast Highway intersection at the Belle Porte Avenue / Pacific Coast Highway intersection and 670 feet east of the Frampton Avenue / Pacific Coast Highway intersection at the Normandie Avenue / Pacific Coast Highway intersection. Therefore, the need for a marked crosswalk is not warranted per LADOT MPP Section 344.**	**No**
Result in new pedestrian demand between project site entries/exits and major destinations or transit stops expected to serve the development where there are missing pedestrian facilities (e.g., gaps in the sidewalk network) or substandard pedestrian facilities (e.g., narrow or uneven sidewalks, no crosswalks at intersections or mid-block, no marked crossing, or push button crossing rather than actuated, etc.).	**The Project may nominally increase pedestrians walking to local destinations and/or transit stops. There are no observed missing pedestrian facilities along Pacific Coast Highway in the Project vicinity. There are no sidewalks along the Project Site's Frampton Avenue and 259th Street frontages. However, sidewalks will be constructed along the Project Site's Frampton Avenue and 259th Street frontages as part of the Project.**	**No**
Increase transit demand at bus stops that lack marked crossings, with insufficient sidewalks, or are in isolated, unshaded, or unlit areas.	**The Project may nominally increase pedestrians walking to local transit stops. Transit stops for Metro Lines 205 and 232, LADOT CE Line 448, and GTrans Line 2 are provided at the Belle Porte Avenue / Pacific Coast Highway intersection. Transit stops for the aforementioned lines, along with Metro Line 550, are provided at the Normandie Avenue / Pacific Coast Highway intersection. The Belle Porte Avenue / Pacific Coast Highway and Normandie Avenue / Pacific Coasy Highway intersections are signalized and provide crosswalks with pedestrian phasing on all legs. Bus benches within shelters are provided for transit riders in the southbound, eastbound, and westbound directions at the Normandie Avenue / Pacific Coast Highway intersection. Bus benches are provided for eastbound transit riders at the Belle Porte Avenue / Pacific Coast Highway intersection and northbound transit riders at the Normadie Avenue / Pacific Coast Highway intersection.**	**No**

Programs Bureau to determine if safety-related measures are needed to support safe access to and/or from the development site for vulnerable road users (i.e., pedestrians and bicyclists).

5.2 Project Access and Circulation Review

Project access and circulation constraints relate to the provision of access to and from the project site, and may include safety, operational, or capacity constraints. Constraints can be related to vehicular/vehicular, vehicular/bicycle, or vehicular/pedestrian constraints as well as to operational delays. These conflicts may be created by the driveway configuration or through the placement of Project driveway(s) in areas of inadequate visibility, adjacent to bicycle or pedestrian facilities, or too close to an intersection or crosswalk. The Project access and circulation has been evaluated for permanent conditions after Project completion. ***Table 5–2*** summarizes the vehicle queuing analysis prepared for each of the study locations for the representative intersection traffic movements for the weekday AM and PM peak hours. ***Appendix F*** contains the analysis data worksheets for the study intersections.

5.2.1 *Screening Criteria*

For land use projects, if the answer is yes to both of the following questions (refer to Section 3.3.2 of the TAG), further analysis will be required to assess whether the project would negatively affect project access and circulation:

- Does the land use project involve a discretionary action that would be under review by the Department of City Planning?
    - Yes, the Project will require a discretionary action that would be under review by the Department of City Planning.
- Would the land use project generate a net increase of 250 or more daily vehicle trips?
    - Yes, the Project will generate a net increase of 250 or more daily vehicle trips. As indicated on the Screening Tab of the VMT Calculator (Page 1 of *Appendix B*), the Project would generate 1,760 net new daily vehicle trips.

As the answer is "yes" to both of the screening criteria questions (i.e., the Project will require a discretionary action and the Project will generate more than 250 daily trips), further analysis is required to evaluate Project access, safety and circulation.

5.2.2 *Evaluation Criteria*

For operational evaluation of land use projects, the City's TAG requires a quantitative evaluation of the Project's expected access and circulation operations. Project access is considered constrained if the Project's traffic would contribute to unacceptable queuing on an Avenue or Boulevard (as designated in the Mobility Plan 2035) at Project driveway(s) or would cause or substantially extend queuing at nearby signalized intersections. Unacceptable or extended queuing may be defined as follows:

Table 5-2
SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1]
WEEKDAY AM AND PM PEAK HOURS

26-Jan-22

NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	YEAR 2021 EXISTING			YEAR 2021 EXISTING W/ PROJECT				YEAR 2026 FUTURE W/O PROJECT			YEAR 2026 FUTURE W/ PROJECT			
				DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]
1	Belle Porte Avenue / Pacific Coast Highway (Signalized)	NB Left	AM	39.0	D	54.9	40.0	D	89.3	34.4	39.1	D	57.5	40.1	D	91.9	34.4
			PM	38.3	D	33.4	38.9	D	52.5	19.1	38.4	D	34.6	39.0	D	53.7	19.1
		NB Through/Right	AM	39.6	D	135.8	39.6	D	135.8	0.0	39.8	D	143.8	39.8	D	143.8	0.0
			PM	39.1	D	113.6	39.1	D	113.6	0.0	39.3	D	119.9	39.3	D	119.9	0.0
		SB Left	AM	44.9	D	78.3	44.9	D	78.3	0.0	45.4	D	82.9	45.4	D	82.9	0.0
			PM	43.6	D	70.2	43.6	D	70.2	0.0	44.0	D	74.5	44.0	D	74.5	0.0
		SB Through	AM	36.9	D	28.6	36.9	D	28.6	0.0	37.0	D	29.8	37.0	D	29.8	0.0
			PM	36.9	D	28.0	36.9	D	28.0	0.0	37.0	D	29.2	37.0	D	29.2	0.0
		SB Right	AM	37.9	D	61.0	37.9	D	61.0	0.0	38.0	D	64.7	38.0	D	64.7	0.0
			PM	37.8	D	58.5	37.8	D	58.5	0.0	37.9	D	62.1	37.9	D	62.1	0.0
		EB Left	AM	17.9	B	20.6	17.9	B	20.6	0.0	20.1	C	23.2	20.1	C	23.2	0.0
			PM	11.8	B	28.0	11.8	B	28.0	0.0	12.5	B	30.6	12.5	B	30.6	0.0
		EB Through	AM	8.2	A	212.6	8.3	A	214.5	1.9	8.4	A	225.1	8.4	A	227.0	1.9
			PM	9.2	A	273.2	9.2	A	278.2	5.0	9.5	A	293.8	9.6	A	298.4	4.6
		EB Right	AM	8.6	A	216.6	8.7	A	218.5	1.9	8.9	A	229.4	8.9	A	231.4	2.0
			PM	9.8	A	278.8	9.9	A	284.0	5.2	10.2	B	300.2	10.2	B	305.5	5.3
		WB Left	AM	12.8	B	24.3	13.3	B	29.2	4.9	13.6	B	26.9	14.3	B	32.2	5.3
			PM	18.8	B	43.3	21.5	C	58.9	15.6	21.3	C	49.3	24.9	C	67.2	17.9
		WB Through	AM	9.8	A	315.6	9.8	A	315.6	0.0	10.2	B	340.6	10.2	B	340.6	0.0
			PM	7.8	A	184.8	7.8	A	184.8	0.0	8.0	A	196.9	8.0	A	196.9	0.0
		WB Right	AM	10.6	B	322.2	10.6	B	322.2	0.0	11.1	B	348.9	11.1	B	348.9	0.0
			PM	8.2	A	187.7	8.2	A	187.7	0.0	8.4	A	199.3	8.4	A	199.3	0.0
2	Belle Porte Avenue / 259th Street (Unsignalized)	NB Left	AM	8.0	A	0.0	8.2	A	0.0	0.0	8.1	A	0.0	8.2	A	0.0	0.0
			PM	8.0	A	0.0	8.1	A	0.0	0.0	8.1	A	0.0	8.2	A	0.0	0.0
		NB Through/Right	AM	8.3	A	12.5	8.4	A	12.5	0.0	8.4	A	12.5	8.5	A	12.5	0.0
			PM	8.0	A	7.5	8.1	A	7.5	0.0	8.0	A	7.5	8.1	A	7.5	0.0
		SB Left	AM	8.1	A	2.5	8.3	A	2.5	0.0	8.2	A	2.5	8.3	A	2.5	0.0
			PM	8.1	A	2.5	8.3	A	2.5	0.0	8.1	A	2.5	8.3	A	2.5	0.0
		SB Through/Right	AM	7.8	A	7.5	7.9	A	7.5	0.0	7.9	A	7.5	8.0	A	7.5	0.0
			PM	7.9	A	10.0	8.0	A	10.0	0.0	8.0	A	10.0	8.1	A	10.0	0.0
		EB Left/Through/Right	AM	7.7	A	2.5	7.8	A	2.5	0.0	7.8	A	2.5	7.9	A	5.0	2.5
			PM	7.7	A	5.0	7.8	A	5.0	0.0	7.8	A	5.0	7.9	A	5.0	0.0
		WB Left/Through/Right	AM	7.3	A	7.5	7.5	A	10.0	2.5	7.4	A	7.5	7.6	A	10.0	2.5
			PM	7.1	A	5.0	7.3	A	5.0	0.0	7.2	A	5.0	7.3	A	5.0	0.0

Table 5-2 (Continued)
SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	YEAR 2021 EXISTING			YEAR 2021 EXISTING W/ PROJECT				YEAR 2026 FUTURE W/O PROJECT			YEAR 2026 FUTURE W/ PROJECT			
				DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]
3	Frampton Aveue / Pacific Coast Highway (Unsignalized)	NB Right	AM	24.2	C	32.5	31.3	D	67.5	35.0	26.7	D	40.0	36.1	E	80.0	40.0
			PM	26.0	D	20.0	31.0	D	37.5	17.5	28.8	D	22.5	35.4	E	45.0	22.5
		SB Right	AM	28.2	D	12.5	28.4	D	12.5	0.0	31.4	D	15.0	31.5	D	15.0	0.0
			PM	16.3	C	5.0	16.4	C	5.0	0.0	17.1	C	5.0	17.2	C	5.0	0.0
		EB Left	AM	53.2	F	25.0	53.8	F	25.0	0.0	65.6	F	32.5	66.3	F	32.5	0.0
			PM	19.5	C	5.0	19.7	C	5.0	0.0	21.0	C	5.0	21.3	C	5.0	0.0
		WB Left	AM	29.2	D	20.0	32.0	D	30.0	10.0	33.0	D	25.0	36.8	E	35.0	10.0
			PM	47.3	E	40.0	66.9	F	75.0	35.0	58.8	F	50.0	89.7	F	92.5	42.5
4	Frampton Aveue / Project Driveway (Unsignalized)	SB Left/Through	AM	--	--	--	7.5	A	2.5	2.5	--	--	--	7.5	A	2.5	2.5
			PM	--	--	--	7.5	A	2.5	2.5	--	--	--	7.5	A	2.5	2.5
		WB Left	AM	--	--	--	10.1	B	5.0	5.0	--	--	--	10.1	B	5.0	5.0
			PM	--	--	--	10.7	B	5.0	5.0	--	--	--	10.8	B	5.0	5.0
		WB Right	AM	--	--	--	9.0	A	5.0	5.0	--	--	--	9.0	A	5.0	5.0
			PM	--	--	--	8.7	A	2.5	2.5	--	--	--	8.7	A	2.5	2.5
5	Frampton Aveue / 259th Street (Unsignalized)	NB Left/Through	AM	8.0	A	15.0	8.1	A	15.0	0.0	8.0	A	15.0	8.2	A	17.5	2.5
			PM	7.6	A	7.5	7.7	A	7.5	0.0	7.6	A	7.5	7.7	A	10.0	2.5
		SB Through/Right	AM	7.2	A	5.0	7.4	A	10.0	5.0	7.3	A	5.0	7.5	A	12.5	7.5
			PM	7.5	A	12.5	7.7	A	15.0	2.5	7.6	A	12.5	7.8	A	15.0	2.5
		EB Left/Right	AM	7.2	A	2.5	7.6	A	5.0	2.5	7.3	A	2.5	7.6	A	5.0	2.5
			PM	7.1	A	2.5	7.6	A	5.0	2.5	7.1	A	2.5	7.6	A	5.0	2.5
6	Frampton Aveue / Anaheim Street (Unsignalized)	SB Left/Right	AM	16.9	C	20.0	18.8	C	27.5	7.5	18.0	C	22.5	20.2	C	32.5	10.0
			PM	14.5	B	10.0	15.7	C	15.0	5.0	15.1	C	12.5	16.5	C	15.0	2.5
		EB Left/Through	AM	9.0	A	2.5	9.1	A	2.5	0.0	9.2	A	2.5	9.2	A	2.5	0.0
			PM	8.6	A	2.5	8.7	A	2.5	0.0	8.7	A	2.5	8.8	A	2.5	0.0

Table 5-2 (Continued)
SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1]
WEEKDAY AM AND PM PEAK HOURS

NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	YEAR 2021 EXISTING			YEAR 2021 EXISTING W/ PROJECT				YEAR 2026 FUTURE W/O PROJECT			YEAR 2026 FUTURE W/ PROJECT			
				DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]
7	Normandie Aveue / Pacific Coast Highway (Signalized)	NB Left	AM	29.5	C	145.1	29.5	C	145.2	0.1	29.8	C	153.7	29.9	C	153.8	0.1
			PM	30.3	C	147.6	30.4	C	147.7	0.1	30.8	C	156.5	31.0	C	156.8	0.3
		NB Through	AM	39.6	D	240.4	39.6	D	240.4	0.0	40.0	D	252.1	40.0	D	252.1	0.0
			PM	42.2	D	295.9	42.2	D	295.9	0.0	43.1	D	312.4	43.1	D	312.4	0.0
		NB Right	AM	39.8	D	234.1	39.8	D	234.1	0.0	40.3	D	245.2	40.3	D	245.2	0.0
			PM	43.0	D	275.2	43.0	D	275.2	0.0	44.0	D	290.0	44.0	D	290.0	0.0
		SB Left	AM	29.8	C	146.5	29.8	C	146.5	0.0	30.2	C	156.3	30.2	C	156.3	0.0
			PM	32.5	C	182.3	32.5	C	182.3	0.0	34.5	C	199.1	34.5	C	199.1	0.0
		SB Through	AM	39.6	D	233.9	39.7	D	237.4	3.5	40.0	D	245.3	40.1	D	248.9	3.6
			PM	42.1	D	291.6	42.5	D	299.8	8.2	43.0	D	308.1	43.5	D	316.6	8.5
		SB Right	AM	40.0	D	221.5	40.1	D	224.3	2.8	40.4	D	231.7	40.6	D	234.6	2.9
			PM	42.9	D	270.4	43.5	D	277.1	6.7	43.9	D	285.1	44.5	D	292.0	6.9
		EB Left	AM	95.2	F	316.7	113.0	F	362.5	45.8	107.1	F	347.7	125.5	F	392.6	44.9
			PM	60.9	E	204.1	64.2	E	218.9	14.8	63.7	E	217.0	67.8	E	233.2	16.2
		EB Through	AM	47.5	D	595.9	49.0	D	613.2	17.3	52.9	D	655.1	55.3	E	677.0	21.9
			PM	46.9	D	587.6	47.7	D	597.6	10.0	52.7	D	653.0	54.1	D	666.4	13.4
		EB Right	AM	55.6	E	617.3	57.7	E	637.3	20.0	63.0	E	684.8	65.9	E	709.1	24.3
			PM	54.6	D	611.3	55.8	E	623.4	12.1	62.6	E	686.1	64.3	E	701.1	15.0
		WB Left	AM	71.4	E	244.5	71.4	E	244.5	0.0	77.4	E	264.0	77.4	E	264.0	0.0
			PM	52.1	D	135.5	52.1	D	135.5	0.0	52.9	D	143.9	52.9	D	143.9	0.0
		WB Through	AM	56.9	E	692.3	58.1	E	702.8	10.5	71.1	F	804.0	73.0	F	817.0	13.0
			PM	42.3	D	519.5	43.0	D	531.1	11.6	45.1	D	564.0	46.1	D	577.7	13.7
		WB Right	AM	68.1	E	722.4	69.5	E	734.2	11.8	83.7	F	837.4	85.6	F	850.6	13.2
			PM	47.8	D	530.9	48.9	D	544.7	13.8	52.1	D	580.8	53.6	D	596.8	16.0

[1] Pursuant to the *LADOT Transportation Assessment Guidelines,* July 2020, the Highway Capacity Manual (HCM) methodology for signalized and unsignalized intersections was utilized to calculate vehicle queuing.
[2] Control delay reported in seconds per vehicle.
[3] Signalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS
<= 10	A
> 10-20	B
> 20-35	C
> 35-55	D
> 55-80	E
> 80	F

Unsignalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS
<= 10	A
> 10-15	B
> 15-25	C
> 25-35	D
> 35-50	E
> 50	F

[4] The 95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles, however an average vehicle length of 25 feet was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet.
[5] Represents the change in calculated maximum back of queue (in feet) due to the addition of Project-related traffic.

- Spill over from turn pockets into through lanes.

- Block cross streets or alleys.

- Contribute to gridlock congestion. For the purposes of this section, "gridlock" is defined as the condition where traffic queues between closely spaced intersections and impedes the flow of traffic through upstream intersections.

The City's TAG acknowledges that demand for curbside space has substantially increased due to the continued expansion of driver-for-hire transportation network companies (TNCs) and shared mobility services. As such, the TAG states that a transportation assessment should characterize the onsite loading demand of the project frontage and answer the following questions:

- Would the project result in passenger loading demand that could not be accommodated within any proposed onsite passenger loading facility?

  - Not Anticipated. It is envisioned that passenger loading at the Project Site will occur within the in the proposed onsite parking garage.

- Would accommodating the passenger loading demand create pedestrian or bicycle conflicts? Which curbside management options should be explored to better address passenger loading needs in the public right-of-way?

  - No, as discussed in Section 2.7, passenger loading and unloading for the Project will occur within the onsite parking garage. While passenger loading and unloading will occur internally to the Project Site, some infrequent curbside loading/unloading may occur along the Project Site's Pacific Coast Highway, Frampton Avenue, and 259th Street frontages.

5.2.3 *Operational and Passenger Loading Evaluation Methodology*

Based on coordination with LADOT staff and as presented in the transportation assessment MOU, the following seven study intersections were identified for operational evaluation of whether the Project's traffic would contribute to unacceptable queuing on an Avenue or Boulevard:

1. Belle Porte Avenue / Pacific Coast Highway
2. Belle Porte Avenue / 259th Street
3. Frampton Avenue / Pacific Coast Highway
4. Frampton Avenue / Project Driveway
5. Frampton Avenue / 259th Street
6. Frampton Avenue / Anaheim Street

7. Normandie Avenue / Pacific Coast Highway

The study locations were based on proximity to the Project Site and the importance of the intersections in terms of the Project's site access and circulation scheme.

The analysis was prepared based on the *Highway Capacity Manual*[13] (HCM) operational analysis methodology pursuant to the City's TAG. Intersection analyses were prepared utilizing the *HCS7* software package, which implements the Highway Capacity Manual operational methods. In addition, specifics such as traffic volume data, lane configurations, available vehicle storage lengths, crosswalk locations, posted speed limits, traffic signal timing and phasing for signalized locations, etc., were coded in the *HCS7* software. The operational analysis was prepared utilizing the following data previously presented herein:

- Project Peak Hour Traffic Generation: Refer to Subsection 2.8.1
- Project Trip Distribution and Assignment: Refer to Subsection 2.8.2
- Existing Vehicle Network: Refer to Subsection 3.3
- Existing Weekday AM and PM Hour Traffic Count Data: Refer to Subsection 3.4
- Related Projects (i.e., within a one-mile radius) and Ambient Traffic Growth: Refer to Subsection 3.5

LADOT confirmed the appropriateness of the above data in the transportation assessment MOU it approved for the Project. The transportation assessment MOU is attached to this report in *Appendix A*.

The operational analysis of vehicle queuing at the study intersections was prepared for the following conditions:

(a) Existing (2021) conditions.

(b) Condition (a) with completion and occupancy of the Project.

(c) Condition (a) plus one 1.0% annual ambient traffic growth through year 2026 and with completion and occupancy of the related projects (i.e., Future Cumulative Baseline)

(d) Condition (c) with completion and occupancy of the Project.

Pursuant to the City's TAG, the HCM methodology for signalized and unsignalized intersections was utilized to calculate vehicle queuing. The operation analysis reports the control delay (in seconds), Levels of Service (LOS), and 95th percentile queues (in feet) for all approaches for the signalized intersections and the minor street approaches for the unsignalized intersections. The

[13] *Highway Capacity Manual 6th Edition,* Transportation Research Board of the National Academies of Sciences-Engineering-Medicine, 2016.

95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles. As such, an average vehicle length of 25 feet, which includes the length of the vehicle and spacing between vehicles, was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet. The summary of the operational analysis of the study intersections is provided in *Table 5–2*. The HCM methodology worksheets for the analyzed intersections are contained in *Appendix F.*

The existing traffic volumes at the study intersections during the weekday AM and PM peak hours are displayed in *Figure 3–10*. The "Existing with Project" traffic volumes at the study intersections during the weekday AM and PM peak hours are illustrated in ***Figure 5–1***. The "Future Cumulative Baseline" (existing, ambient growth and related projects) traffic volumes at the study intersections during the weekday AM and PM peak hours are presented in ***Figure 5–2***. The "Future Cumulative with Project" (existing, ambient growth, related projects, and Project) traffic volumes at the study intersections during the weekday AM and PM peak hours are illustrated in ***Figure 5–3***.

As presented in *Table 5–2*, the Project would not cause or substantially extend vehicle queuing at any of the seven study intersections during the weekday AM and PM peak hours. At these intersections, the change in queue length for individual traffic movements associated with the Project ranges from no change to a maximum of 44.9 feet (i.e., less than two vehicles).

While Project-related traffic would not cause or substantially extend vehicle queuing at any of the seven study intersections during the weekday AM and PM peak hours, it is noted that the existing and forecast peak queues in the left-turn lane of the eastbound approach at the Normandie Avenue / Pacific Coast Highway intersection are expected to exceed the available storage under all conditions analyzed (e.g., "Existing" through "Future Cumulative with Project" conditions).

West of the eastbound left-turn lane on Pacific Coast Highway at the Normandie Avenue intersection, there is a striped eastbound left-turn lane that provides access to a driveway serving the commercial center at the northwest corner of the Normandie Avenue / Pacific Coast Highway intersection. This driveway accommodates full vehicular access (i.e., left-turn and right-turn ingress and egress movements). Modifications to the Pacific Coast Highway striping (i.e., connecting the two left-turn lanes) would provide sufficient vehicle storage capacity to accommodate the forecast peak queues under "Future Cumulative with Project" conditions during both the weekday AM and PM peak hours. LADOT would need to review this potential revision to the roadway striping on Pacific Coast Highway to assess appropriateness and feasibility.

It is envisioned that passenger loading/unloading will occur within the onsite parking garage. No pedestrian or bicycle conflicts due to potential loading/unloading activities are anticipated to occur. While not currently proposed, appropriate signage and pavement/curb markings will be required by the City and installed by the Project Applicant for any curbside loading/unloading zones that may be proposed by the Project Applicant in the future. Any installations that fall



LINSCOTT LAW & GREENSPAN engineers

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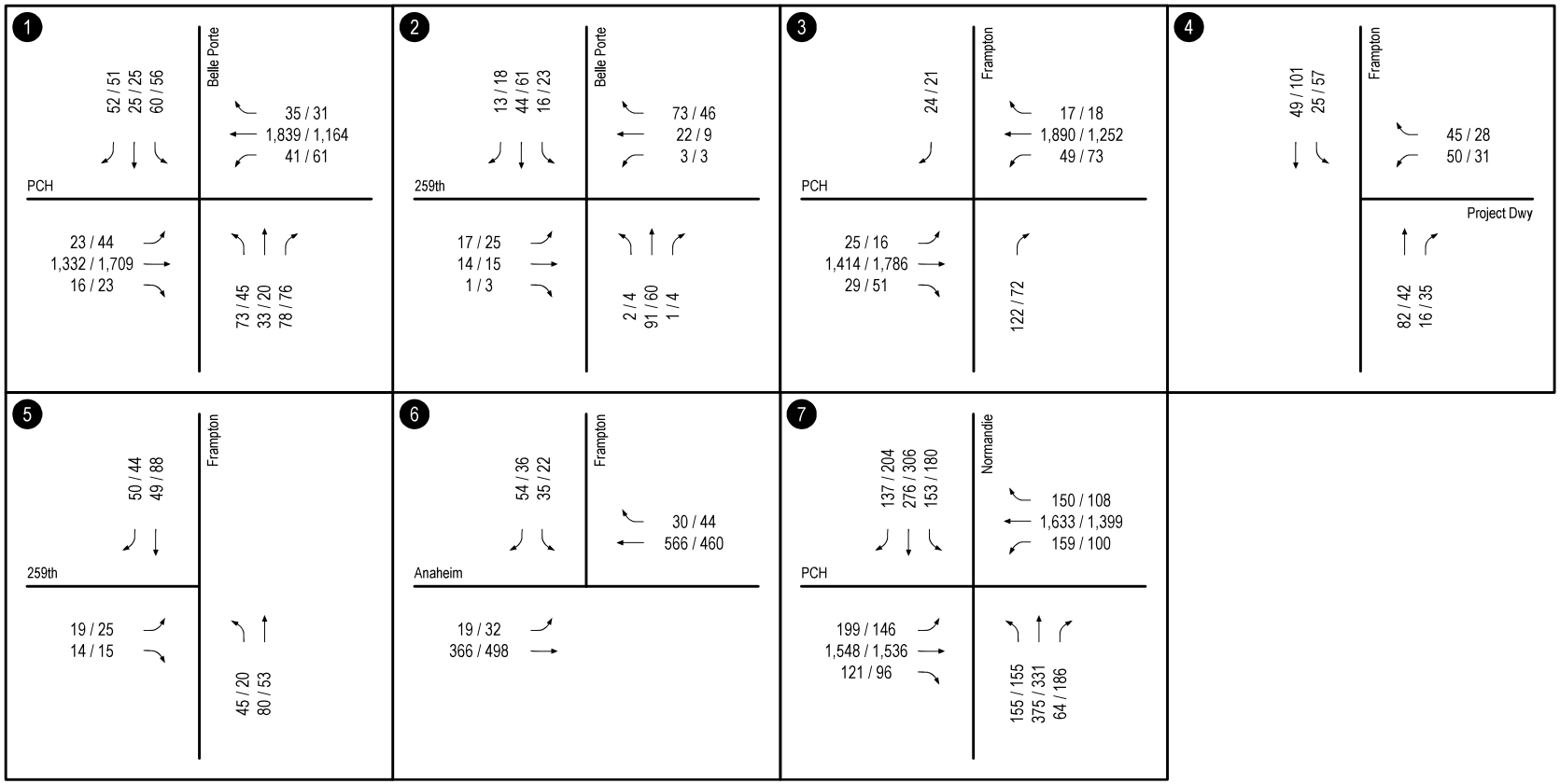
Date: 11/1/2021
Time: 9:39 AM

Port of Long Beach, Maxar

Figure 5-1
Existing with Project Traffic Volumes
(Page 1 of 2)

1280 PCH



LINSCOTT LAW & GREENSPAN engineers

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Date: 11/1/2021
Time: 9:51 AM

Figure 5-1
Existing with Project Traffic Volumes
(Page 2 of 2)

1280 PCH



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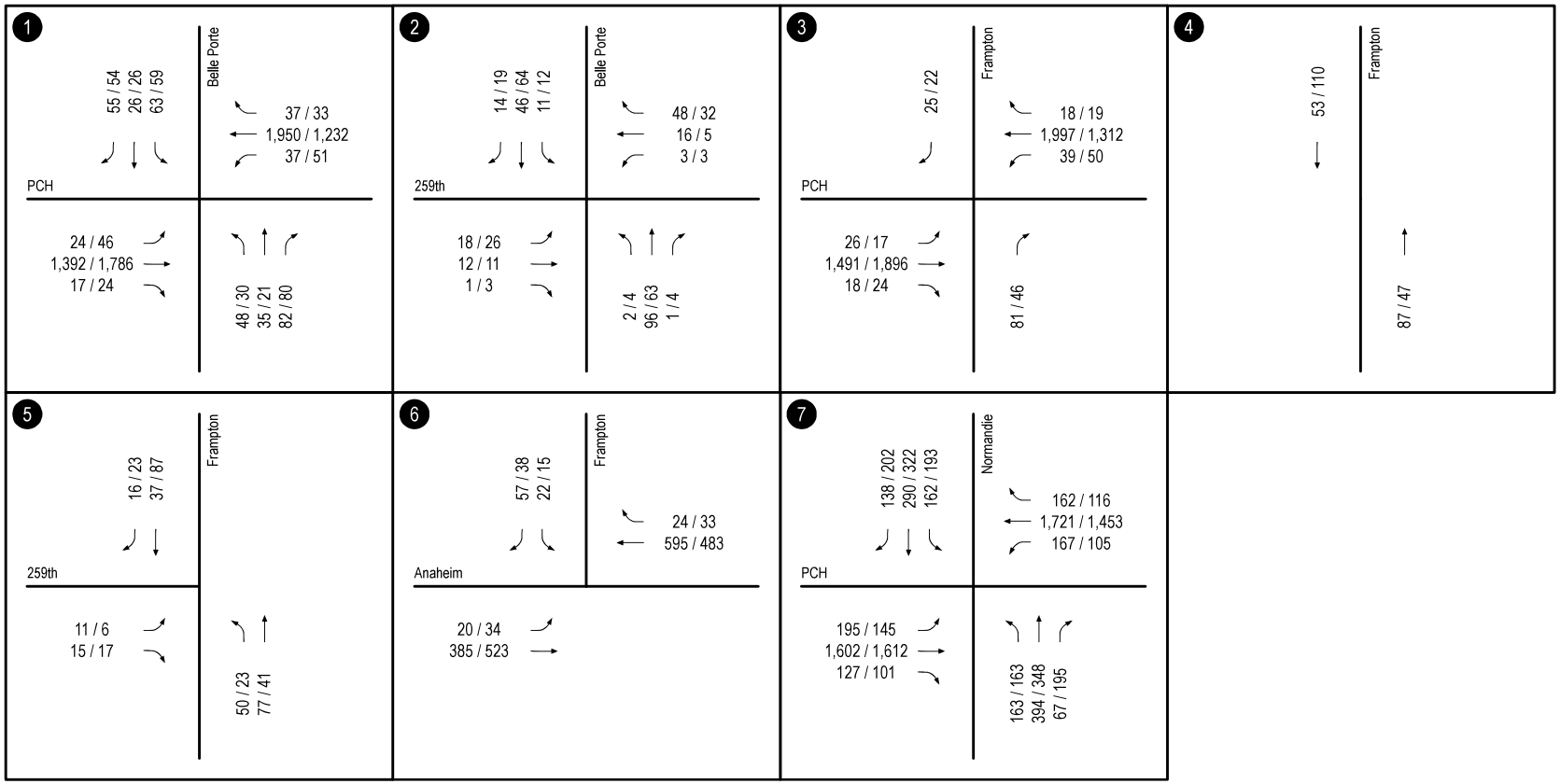
Date: 10/13/2021
Time: 10:25 AM

Port of Long Beach, Maxar

Figure 5-2
Future Cumulative Baseline Traffic Volumes
(Page 1 of 2)

1280 PCH



LINSCOTT LAW & GREENSPAN engineers

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Date: 10/13/2021
Time: 10:26 AM

Figure 5-2
Future Cumulative Baseline Traffic Volumes
(Page 2 of 2)

1280 PCH



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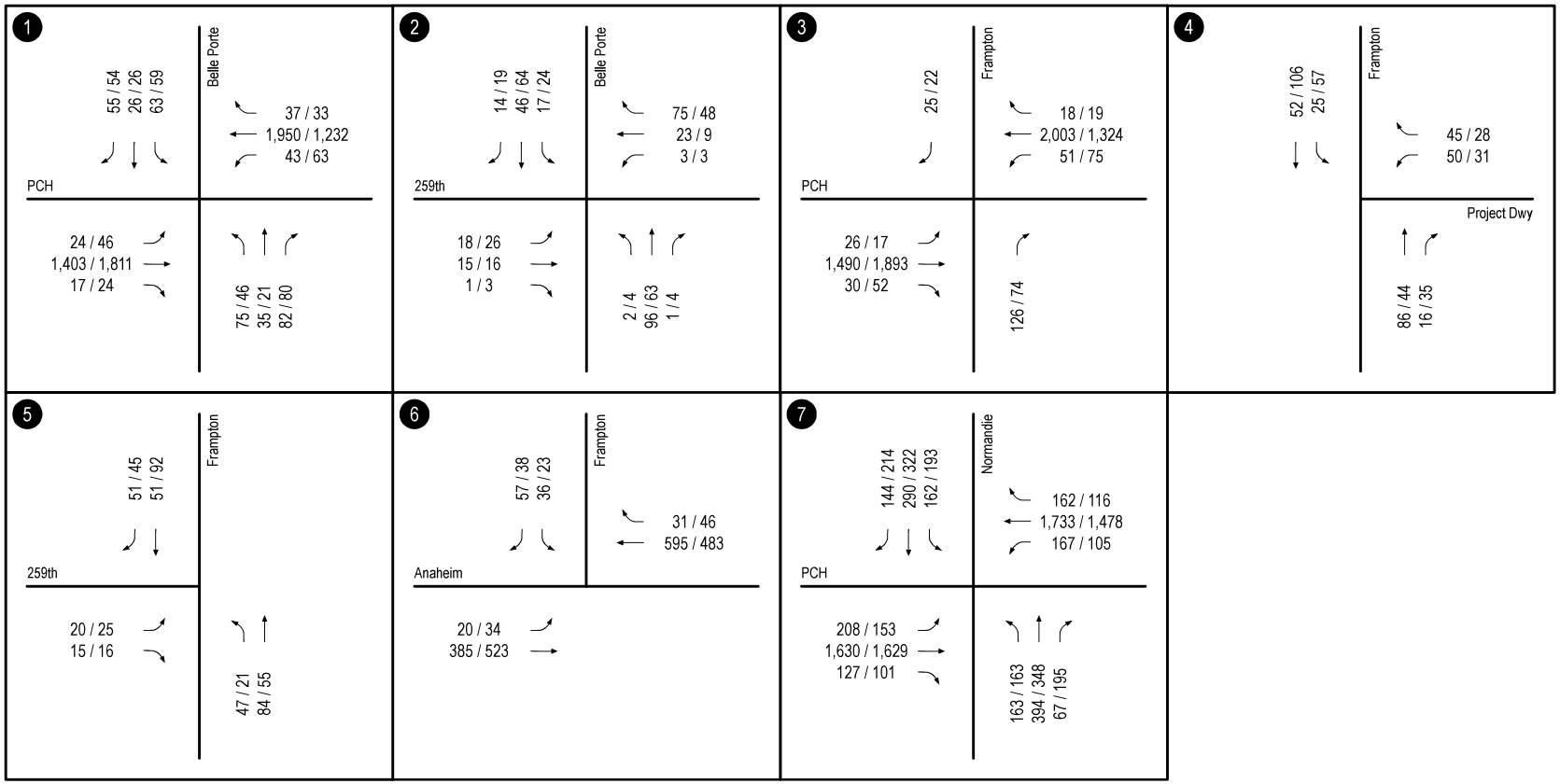
Date: 10/29/2021
Time: 9:34 AM

Port of Long Beach, Maxar

LINSCOTT LAW & GREENSPAN engineers

Figure 5-3
Future Cumulative with Project Traffic Volumes
(Page 1 of 2)
1280 PCH



LINSCOTT LAW & GREENSPAN engineers

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Date: 10/29/2021
Time: 9:38 AM

Figure 5-3
Future Cumulative with Project Traffic Volumes
(Page 2 of 2)

1280 PCH

within the City's (public) right-of-way will require prior review and approval by LADOT. Thus, it is envisioned that should any curbside loading/unloading zones be proposed by the Project Applicant, on-street parking along the direct Project frontages may not be allowed and some or most of the curbside space would be repurposed for loading/unloading operations.

5.3 Project Construction Effect on Nearby Mobility

The project construction evaluation addresses activity associated with project construction and major in-street construction of infrastructure projects.

5.3.1 *Screening Criteria*

For land use projects, if the answer is yes to any of the following questions, further analysis will be required to assess whether project construction would negatively affect pedestrian, bicycle, transit, or vehicle circulation:

- Would a project that requires construction activities to take place within the right-of-way of a Boulevard or Avenue (as designated in Mobility Plan 2035) which would necessitate temporary lane, alley, or street closures for more than one day (including day and evening hours, and overnight closures if on a residential street)?

    - Yes. The Project Site has frontage along Pacific Coast Highway, which is designated as a Boulevard II within Mobility Plan 2035. Construction of the Project may require temporary travel lane closures on Pacific Coast Highway related to utility work, delivery of construction equipment, etc. Such closures are expected to be temporary in nature; no overnight closures of travel lanes on Pacific Coast Highway are anticipated. A detailed Construction Staging and Traffic Management Plan (CSTMP) including the measures described herein will address temporary construction-related closures to minimize conflicts between construction activities and vehicular traffic.

- Would a project require construction activities to take place within the right-of-way of a Collector or Local Street (as designated in the Mobility Plan 2035) which would necessitate temporary lane, alley, or street closures for more than seven days (including day and evening hours, and including overnight closures if on a residential street)?

    - No. The Project Site is adjacent to Frampton Avenue and 259th Street, which are both designated as a Local Street – Standard within Mobility Plan 2035. Temporary travel lane closures on Frampton Avenue and 259th Street due to Project construction are not anticipated. If closures were to be required, such closures are expected to be temporary in nature; no overnight closures of travel lanes on Frampton Avenue and 259th Street are anticipated. As noted above, the CSTMP will include the measures to address temporary construction-related closures to minimize conflicts between construction activities and vehicular traffic.

- Would in-street construction activities result in the loss of regular vehicle, bicycle, or pedestrian access, including loss of existing bicycle parking to an existing land use for

more than one day, including day and evening hours and overnight closures if access is lost to residential units?

- Yes. Temporary closures of the sidewalks adjacent to the Project Site on Pacific Coast Highway may be required during portions of the construction period. However, signs would be posted advising pedestrians of temporary sidewalk closures and providing alternative routes. Construction activities will not affect access to any other adjacent or nearby land uses. As noted above, the CSTMP will include measures to address temporary construction-related closures to minimize conflicts between construction activities and vehicular traffic, bicyclists, and pedestrians.

- Would in-street construction activities result in the loss of regular ADA pedestrian access to an existing transit station, stop, or facility (e.g., layover zone) during revenue hours?

  - Yes. Temporary closures of the sidewalks adjacent to the Project Site on Pacific Coast Highway may be required during portions of the construction period. Specifically, ADA pedestrian access along the south side of Pacific Coast Highway may be lost to existing bus stops along Pacific Coast Highway at the Belle Porte Avenue and Normandie Avenue intersections. ADA access to these bus stops is available on the north side of Pacific Coast Highway. Signs would be posted advising pedestrians of temporary sidewalk closures and providing alternative ADA routes to nearby transit stops located adjacent to or near the Project Site on Pacific Coast Highway. As noted above, the CSTMP will include measures to address temporary construction-related closures to minimize conflicts between construction activities and vehicular traffic, bicyclists, and pedestrians.

- Would in-street construction activities result in the temporary loss for more than one day of an existing bus stop or rerouting of a bus route that serves the project site?

  - No. Construction activities will not require the temporary closure or relocation of existing bus stops or rerouting of existing bus routes that serve the Project Site.

- Would construction activities result in the temporary removal and/or loss of on-street metered parking for more than 30 days?

  - No. While construction activities may require temporary removal and/or loss of on-street parking on Pacific Coast Highway and/or Frampton Avenue for more than 30 days, these parking spaces are not metered.

- Would the project involve a discretionary action to construct new buildings of more than 1,000 square feet that require access for hauling construction materials and equipment from streets of less than 24-feet wide in a hillside area?

  - No. The Project Site is not located within a hillside area.

As the answer is "yes" to three of the screening criteria questions, further analysis is required to evaluate whether Project construction would negatively affect pedestrian, bicycle, transit, or vehicle circulation.

5.3.2 *Evaluation Criteria and Methodology*

The evaluation criteria for project construction are focused on whether the proposed project would adversely affect mobility in the project vicinity during the construction process. Specifically, the City's TAG asks the following question: "Would construction of a project substantially interfere with pedestrian, bicycle, transit, or vehicle circulation and accessibility to adjoining areas?" Factors to be considered are the location of the project site, the functional classification of the adjacent street(s), the availability of alternate routes or additional capacity, temporary loss of bicycle parking, temporary loss of bus stops or rerouting of transit lines, the duration of temporary loss of access, the affected land uses, and the magnitude of the temporary construction activities.

Factors to consider when assessing a project construction's potential effect on mobility in the project area include the following:

- Temporary transportation constraints:
  - The length of time of temporary street closures or closures of two or more travel lanes;
  - The classification of the street (major arterial, state highway) affected;
  - The existing congestion levels on the affected street segments and intersections;
  - Whether the affected street directly leads to a freeway on- or off-ramp or other state highway;
  - Potential safety issues involved with street or lane closures; and
  - The presence of emergency services (fire, hospital, etc.) located nearby that regularly use the affected street.
- Temporary loss of access:
  - The length of time of any loss of pedestrian or bicycle circulation past a construction area;
  - The length of time of any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area;
  - The length of time of any loss of ADA pedestrian access to a transit station, stop, or facility;

- The availability of nearby vehicular or pedestrian access within ¼ mile of the lost access; and

- The type of land uses affected, and related safety, convenience, and/or economic issues.

- Temporary Loss of Bus Stops or Rerouting of Bus Lines:

  - The length of time that an existing bus stop would be unavailable or that existing service would be interrupted;

  - The availability of a nearby location (within one-quarter mile) to which the bus stop or route can be temporarily relocated;

  - The existence of other bus stops or routes with similar routes/destinations within a ¼-mile radius of the affected stops or routes; and

  - Whether the interruption would occur on a weekday, weekend or holiday, and whether the existing bus route typically provides service that/those day(s).

Descriptions of the Project location and physical setting are provided in Subsection 2.1, Project Site Location, and Section 3.0, Project Context, herein that apply to this analysis. The Project location and Project setting data items such as adjacent street classifications, public bicycle parking, inventory of existing transit lines, bus stops, etc. Per Section 3.4.4 of the TAG, the evaluation of the Project construction includes a review of whether construction activity within the street right-of-way would require any of the following:

- Street, sidewalk, or lane closures.

- Block existing vehicle, bicycle, or pedestrian access along a street or to parcels fronting the street.

- Modification of access to transit stations, stops, or facilities during revenue hours.

- Closure or movement of an existing bus stop or rerouting of an existing bus line.

- Creation of transportation hazards.

The City's TAG notes that a comparison of the results to the evaluation criteria are to be provided in order to determine the level of impact. The summary of the Project construction evaluation criteria in order to determine the Project's effect is provided in ***Table 5–3***.

As presented in *Table 5–3*, it is concluded that Project construction would not result in the closure of two or more travel lanes on any one roadway and would not impede emergency access. However, Project construction may result in the temporary loss of single travel lanes on

Table 5-3
QUALITATIVE REVIEW OF PROJECT CONSTRUCTION ACTIVITIES

CRITERIA	PROJECT RESPONSE	DESCRIPTION
TEMPORARY TRANSPORTATION CONSTRAINTS		
The length of time of temporary street closures or closures of two or more travel lanes.	**N/A**	**Project construction will not require street closures or closures of two or more travel lanes.**
The classification of the street (major arterial, state highway) affected.	**Boulevard II and Local Street - Standard**	**Pacific Coast Highway is classified as a Boulevard II by the City. Frampton Avenue and 259th Street are both classified by the City as as Local Street - Standard.**
The existing congestion levels on the affected street segments and intersections.	**N/A**	**Existing congestion levels are consistent with those experienced on major thoroughfares in the Project vicinity.**
Whether the affected street directly leads to a freeway on- or off-ramp or other State highway.	**Yes**	**The Project has frontage along Pacific Coast Highway, a State highway. Pacific Coast Highway leads to the I-110 Freeway. As Project construction will not require street closures, access to the State Highway System will be maintained.**
Potential safety issues involved with street or lane closures.	**N/A**	**While safety issues are not anticipated, the Project Applicant will prepare a Construction Staging and Traffic Management Plan (CSTMP) which would detail any potential safety issues.**
The presence of emergency services (fire, hospital, etc.) located nearby that regularly use the affected street.	**Kaiser Permanente South Bay Medical Center**	**Kaiser Permanente South Bay Medical Center regularly accommodates emergency vehicles (ambulances) and will continue to do so througout the construction period. The Project will not affect emergency access.**
TEMPORARY LOSS OF ACCESS		
The length of time of any loss of pedestrian or bicycle circulation past a construction area.	**Unknown**	**The Project Applicant will prepare a CSTMP which would detail any loss of pedestrian or bicycle circulation past the construction area.**
The length of time of any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area.	**Unknown**	**The Project Applicant will prepare a CSTMP which would detail any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area.**
The length of time of any loss of ADA pedestrian access to a transit station, stop, or facility.	**Unknown**	**The Project Applicant will prepare a CSTMP which would detail any loss of vehicular, bicycle, or pedestrian access to a parcel fronting the construction area.**
The availability of nearby vehicular or pedestrian access within one quarter-mile of the lost access.	**Available**	**Signalized intersections with accommodations for pedestrian crossings are provided near the Project Site at Belle Porte Avenue / Pacific Coast Highway and Normandie Avenue / Pacific Coast Highway.**
The type of land uses affected, and related safety, convenience, and/or economic issues.	**None**	**Access will be maintained for adjacent parcels in the Project vicinity.**

Table 5-3 (Continued)
QUALITATIVE REVIEW OF PROJECT CONSTRUCTION ACTIVITIES

TEMPORARY LOSS OF BUS STOPS OR REROUTING OF BUS LINES		
The length of time that an existing bus stop would be unavailable or that existing service would be interrupted.	**N/A**	**Project construction will not require relocation of existing transit stops or interrupt existing transit service.**
The availability of a nearby location (within one quarter-mile) to which the bus stop or route can be temporarily relocated.	**N/A**	**N/A**
The existence of other bus stops or routes with similar routes/destinations within a quarter-mile radius of the affected stops or routes.	**N/A**	**N/A**
Whether the interruption would occur on a weekday, weekend or holiday, and whether the existing bus route typically provides service that/those day(s).	**N/A**	**N/A**

Pacific Coast Highway. Additionally, Project construction may result in the temporary loss of pedestrian access along the Project Site's Pacific Coast Highway frontage.

5.3.3 *Recommended Project-Specific Action Items*

Due to the short-term nature of construction activities and the variable characteristics and needs of a specific project's construction phase(s), it is recommended that a construction work site traffic control plan be submitted to LADOT's Citywide Temporary Traffic Control Section or Permit Plan Review Section for review and approval prior to the start of construction activity. The construction work site traffic control plan is required to identify the location of all temporary roadway lane and/or sidewalk closures needed during project construction. Additionally, if pedestrian detours and/or temporary travel lane closures are proposed, LADOT requires submission and approval of a traffic control/management plan prior to the issuance of building permits.

Consistent with LADOT's recommendation and requirements, the Project Applicant would prepare a detailed CSTMP, which would include any applicable street/lane/sidewalk closure information, a detour plan, haul route(s), and a staging plan. The plan would be based on the nature and timing of the Project's specific construction activities and would consider other projects under construction in the immediate vicinity of the Project Site. The CSTMP also would include features such as notification to adjacent project owners and occupants of upcoming construction activities, advance notification regarding any temporary transit stop relocations, and limitation of any potential roadway lane closure(s) to off-peak travel periods, to the extent feasible.

6.0 SUMMARY AND CONCLUSIONS

- ***Project Description*** – As currently proposed, the Project would remove the existing mobile home park (A-1 Trailer Park) and construct a new mixed-use development with 312 market-rate residential apartment dwelling units, 42 affordable housing dwelling units, and 1,500 square feet of ground floor commercial floor area. The Project proposes to provide 575 vehicular parking spaces within a six level above-grade parking garage. Construction and occupancy of the Project is proposed to be completed by the year 2026.

- ***Study Scope –*** This transportation assessment presents (i) a CEQA assessment of whether the Project conflicts or is inconsistent with local transportation-related plans and policies, (ii) a CEQA assessment of Project-related VMT, (iii) a CEQA assessment of whether the Project increases hazards due to a geometric design feature or incompatible use, (iv), a CEQA freeway safety analysis, (v) a non-CEQA assessment of pedestrian, bicycle and transit access, (vi) a non-CEQA evaluation of Project access, safety and circulation, and (vii) a non-CEQA review of Project construction activities. LADOT confirmed the appropriateness of the analysis criteria when it entered into a transportation assessment MOU for the Project.

- ***Project Trip Generation*** – The Project is expected to generate 126 net new vehicle trips (38 inbound trips and 88 outbound trips) during the weekday AM peak hour. During the weekday PM peak hour, the Project is expected to generate 134 net new vehicle trips (81 inbound trips and 53 outbound trips). The Project is expected to generate 1,760 net new daily vehicle trips.

- ***CEQA Analysis***

  - *Project Consistency with Local Plans and Policies:* The Project has been found to be consistent with the relevant City transportation plans, programs, ordinances, or policies, and does not include any features that would preclude the City from completing and complying with these guiding documents and policy objectives. Therefore, a determination of less than significant can be made for the Project with respect to consistency with transportation plans, programs, ordinances, or policies. Furthermore, the Project Applicant will comply with existing applicable City ordinances (e.g., the City's existing TDM Ordinance) and the other requirements pursuant to the LAMC. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

  - *VMT Analysis:* The Project would not result in a significant VMT impact. Furthermore, based on the Project-related VMT analysis and the conclusions discussed in Section 4.2.3 (which demonstrate that the Project falls under the City's efficiency-based impact thresholds and thus are already shown to align with the long-

term VMT and GHG reduction goals of SCAG's RTP/SCS), cumulatively significant VMT impacts are not anticipated.

- *Geometric Design Review:* Given the existing physical condition of the Project Site, surrounding land uses, and planned pedestrian enhancements, no safety concerns related to geometric design are noted. Additionally, it is noted that the Project will remove the existing curb cuts along the Project Site's Pacific Coast Highway frontage, will shift the existing Frampton Avenue curb cut to the south, away from the Pacific Coast Highway intersection, and will reduce the number of curb cuts along the Project Site's 259th Street frontage from two to one. Additionally, it is noted that the while the Project Site's Pacific Coast Highway frontage is included within City's HIN, the Project will not preclude or conflict with future changes by various City Departments. Therefore, it can be determined that the Project will not substantially increase hazards due to a geometric design feature or incompatible use, resulting in a less than significant impact determination.

- *Freeway Safety Analysis:* Given that the Project would not add 25 or more net new vehicle trips to any nearby freeway off-ramp during either the AM or PM peak hours, the Project would not result in a significant freeway safety impact.

- ***Non-CEQA Analysis***

  - *Pedestrian, Bicycle, and Transit Access:* It is determined the Project does not include any features that would permanently remove, adversely modify, or degrade pedestrian, bicycle, and transit facilities in the Project vicinity. As noted herein, it is determined that it is possible that the Project may intensify use of pedestrian, bicycle, and transit facilities in the Project vicinity, however, such use is not expected to result in a deficient condition caused by the Project.

  - *Project Access and Circulation Review:* The Project's weekday AM and PM peak hour traffic volumes will not cause or substantially extend vehicle queuing at the any of the seven study intersections analyzed (as discussed in Section 5.2.3 herein). At the Normandie Avenue / Pacific Coast Highway intersection, peak queues in the left-turn lane on the eastbound Pacific Coast Highway approach exceed the available left-turn storage during the weekday AM and PM peak hours under all conditions (i.e., "Existing" through "Future Cumulative with Project" conditions). Potential modifications to the existing Pacific Coast Highway striping have been identified and are shown to accommodate the forecast peak vehicle queues in the left-turn lane on the eastbound Pacific Coast Highway approach to the Normandie intersection. Any modifications to the existing striping would be implemented by LADOT at their discretion.

  - *Project Construction Effect on Nearby Mobility:* It is concluded that Project construction would not result in the closure of two or more travel lanes on any one roadway and would not impede emergency access. However, Project construction

may result in the temporary loss of a single travel lane on Pacific Coast Highway. Additionally, Project construction may result in the temporary loss of regular pedestrian access along the Project Site's Pacific Coast Highway frontage. The Project Applicant will prepare a construction work site traffic control plan be submitted to LADOT's Citywide Temporary Traffic Control Section or Permit Plan Review Section for review and approval prior to the start of construction activity should any lane closure(s) be proposed. Consistent with LADOT's recommendation and requirements, the Project Applicant would also prepare a detailed CSTMP, which includes any applicable street/lane/sidewalk closure information, a detour plan, haul route(s), and a staging plan.

APPENDIX A

APPROVED TRANSPORTATION ASSESSMENT MEMORANDUM OF UNDERSTANDING

Transportation Assessment Memorandum of Understanding (MOU)

This MOU acknowledges that the Transportation Assessment for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Assessment Guidelines:

I. PROJECT INFORMATION

Project Name: 1280 PCH

Project Address: 1268-1290 W. Pacific Coast Highway and 25900 Frampton Avenue

Project Description: Development of 315 residential apartment dwelling units, 39 affordable housing dwelling units, and 1,500 square feet of commercial floor area (to be analyzed as High Turnover [Sit-Down] Restaurant.

LADOT Project Case Number: HRB21-111596 Project Site Plan attached? *(Required)* ☒ Yes ☐ No

II. TRANSPORTATION DEMAND MANAGEMENT (TDM) MEASURES

Select any of the following TDM measures, which may be eligible as a Project Design Feature[1], that are being considered for this project:

	Reduced Parking Supply[2]	x	Bicycle Parking and Amenities		Parking Cash Out

List any other TDM measures (e.g. bike share kiosks, unbundled parking, microtransit service, etc.) below that are also being considered and would require LADOT staff's determination of its eligibility as a TDM measure. LADOT staff will make the final determination of the TDM measure's eligibility for this project.

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

III. TRIP GENERATION

Trip Generation Rate(s) Source: ITE 10th Edition / Other ITE 10th Edition/LADOT Affordable Housing Trip Rates

Trip Generation Adjustment *(Exact amount of credit subject to approval by LADOT)*	**Yes**	**No**
Transit Usage	☒	☐
Existing Active or Previous Land Use	☒	☐
Internal Trip	☐	☒
Pass-By Trip	☐	☒
Transportation Demand Management (See above)	☐	☒

Trip generation table including a description of the existing and proposed land uses, rates, estimated morning and afternoon peak hour volumes (ins/outs/totals), proposed trip credits, etc. attached? *(Required)* ☐ Yes ☐ No

	IN	OUT	TOTAL
AM Trips	38	87	125
PM Trips	80	54	134

NET Daily Vehicle Trips (DVT)
1,667 DVT (ITE 10th ed.)
1,760 DVT (VMT Calculator ver. 1.3)

[1] At this time Project Design Features are only those measures that are also shown to be needed to comply with a local ordinance, affordable housing incentive program, or State law.

[2] Select if reduced parking supply is pursued as a result of a parking incentive as permitted by the City's Bicycle Parking Ordinance, State Density Bonus Law, or the City's Transit Oriented Community Guidelines.

IV. STUDY AREA AND ASSUMPTIONS

Project Buildout Year: 2026 Ambient Growth Rate: 1.0 % Per Yr.

Related Projects List, researched by the consultant and approved by LADOT, attached? *(Required)* ☒ Yes ☐ No

STUDY INTERSECTIONS and/or STREET SEGMENTS:
(May be subject to LADOT revision after access, safety, and circulation evaluation.)

1 _____ 4 _____

2 _____ 5 _____

3 _____ 6 _____

Provide a separate list if more than six study intersections and/or street segments.

Is this Project located on a street within the High Injury Network? ☒ Yes ☐ No

If a study intersection is located within a ¼-mile of an adjacent municipality's jurisdiction, signature approval from said municipality is required prior to MOU approval.

V. ACCESS ASSESSMENT

a. Does the project exceed 1,000 net DVT? ☒ Yes ☐ No
b. Is the project's frontage 250 linear feet or more along an Avenue or Boulevard as classified by the City's General Plan? ☒ Yes ☐ No
c. Is the project's building frontage encompassing an entire block along an Avenue or Boulevard as classified by the City's General Plan? ☐ Yes ☒ No

VI. ACCESS ASSESSMENT CRITERIA

If Yes to any of the above questions a., b., or c., complete **Attachment C.1: Access Assessment Criteria**.

VII. SITE PLAN AND MAP OF STUDY AREA

Please note that the site plan should also be submitted to the Department of City Planning for cursory review.

Does the attached site plan and/or map of study area show	Yes	No	Not Applicable
Each study intersection and/or street segment	☒	☐	☐
*Project Vehicle Peak Hour trips at each study intersection	☒	☐	☐
*Project Vehicle Peak Hour trips at each project access point	☒	☐	☐
*Project trip distribution percentages at each study intersection	☒	☐	☐
Project driveways designed per LADOT MPP 321 (show widths and directions or lane assignment)	☒	☐	☐
Pedestrian access points and any pedestrian paths	☒	☐	☐
Pedestrian loading zones	☒	☐	☐
Delivery loading zone or area	☒	☐	☐
Bicycle parking onsite	☒	☐	☐
Bicycle parking offsite (in public right-of-way)	☐	☐	☒

*For mixed-use projects, also show the project trips and project trip distribution by land use category.

(One trip distribution assumed for all components.)

VIII. FREEWAY SAFETY ANALYSIS SCREENING

Will the project add 25 or more trips to any freeway off-ramp in either the AM or PM peak hour? ☐ YES ☒ NO

Provide a brief explanation or graphic identifying the number of project trips expected to be added to the nearby freeway off-ramps serving the project site. If Yes to the question above, a freeway ramp analysis is required.

IX. CONTACT INFORMATION

	CONSULTANT	DEVELOPER
Name:	Linscott, Law & Greenspan, Engineers	ROI 1280 LLC
Address:	20931 Burbank Boulevard, Suite C	4199 Campus Drive, Suite 200
	Woodland Hills, CA 91367	Irvine, CA 92612
Phone Number:	(818) 835-8648	(949) 733-2000
E-Mail:	jshender@llgengineers.com	alex@redoakinv.com

Approved by:	x		8/19/2021	x	Robert Sanchez (Sep 2, 2021 16:41 PDT)
		Consultant's Representative	Date		LADOT Representative **Date
Adjacent Municipality:			Approved by:		
			(if applicable)	Representative	Date

**MOUs are generally valid for two years after signing. If after two years a transportation assessment has not been submitted to LADOT, the developer's representative shall check with the appropriate LADOT office to determine if the terms of this MOU are still valid or if a new MOU is needed.

Study Intersections

1. Belle Porte Avenue / Pacific Coast Highway
2. Belle Porte Avenue / 259th Street
3. Frampton Avenue / Pacific Coast Highway
4. Frampton Avenue / Project Driveway
5. Frampton Avenue / 259th Street
6. Frampton Avenue / Anaheim Street
7. Normandie Avenue / Pacific Coast Highway

Access Assessment Criteria

This Criteria acknowledges that the Transportation Assessment for the following Project will be prepared in accordance with the latest version of LADOT's Transportation Assessment Guidelines:

I. PROJECT INFORMATION

Project Name: 1280 PCH

Project Address: 1268-1290 W. Pacific Coast Highway and 25900 S. Frampton Avenue

Project Description: Development of 315 residential apartment dwelling units, 39 affordable housing dwelling units, and 1,500 square feet of commercial floor area (to be analyzed as High-Turnover [Sit-Down] Restaurant.

LADOT Project Case Number: HRB21-111596

II. PEDESTRIAN/ PERSON TRIP GENERATION

Source of Pedestrian/Person Trip Generation Rate(s)? ☐ VMT Calculator ☒ ITE 10th Edition ☐ Other:

	Land Use	Size/Unit	Daily Person Trips
Proposed	Apartments	315 DU	171
	Commercial	1,500 GSF	17
	Total new trips:		188

Pedestrian/Person trip generation table including a description of the proposed land uses, trip credits, person trip assumptions, comparison studies used for reference, etc. attached? ☒ Yes ☐ No (See Transit Trips on Table 2-1)

III. PEDESTRIAN ATTRACTORS INVENTORY

Attach Pedestrian Map for the area (1,320-foot radius from edge of the project site) depicting:

- site pedestrian entrance(s)
- Existing or proposed passenger loading zones
- pedestrian generation/distribution values
  - Geographic Distribution: N 30 % S 10 % E 25 % W 35 %
- transit boarding and alighting of transit stops (should include Metro rail stations; Metro, DASH, and other municipal bus stops)
- Key pedestrian destinations with hours of operation:
  - schools (school times)
  - government offices with a public counter or meeting room
  - senior citizen centers
  - recreation centers or playgrounds
  - public libraries
  - medical centers or clinics
  - child care facilities
  - post offices

- places of worship
- grocery stores
- other facilities that attract pedestrian trips

- pedestrian walking routes to key destinations from project site

Note: Pedestrian Count Summary, Bicycle Count Summary, Manual Traffic Count Summary will need to be attached to the Transportation Assessment

IV. FACILITIES INVENTORY

Is a High Injury Network street located within 1,320-foot radius from the edge of the project site? ☒ Yes ☐ No
If yes, list streets and include distance from the project:

Pacific Coast Highway at 0 (feet)

Normandie Avenue, north of Pacific Coast Highway at 440 (feet)

_____ at _____ (feet)

_____ at _____ (feet)

Attach Radius Map for the area (1,320 foot radius from edge of the project site) depicting the following existing and proposed facilities:

- transit stops
- bike facilities
- traffic control devices for controlled crossings
- uncontrolled crosswalks
- location of any missing, damaged or substandard sidewalks

For a reference of planned facilities, see the Transportation Assessment Support Map

Crossing Distances

Does the project property have frontage along an arterial street (designated as either an Avenue or Boulevard?)

☒ Yes ☐ No

If yes, provide the distance between the crossing control devices (e.g. signalized crosswalk, or controlled mid-block crossing) along any arterial within 1,320 feet of the property.

870 (feet) at President Avenue / Pacific Coast Highway and Belle Porte Avenue / Pacific Coast Highway

1,040 (feet) at Belle Porte Avenue / Pacific Coast Highway and Normandie Avenue / Pacific Coast Highway

990 (feet) at Normandie Avenue / 255th Street and Normandie Avenue / Pacific Coast Highway

740 (feet) at Normandie Avenue / Pacific Coast Highway and Normandie Avenue / Permanente Way

_____ (feet) at _____

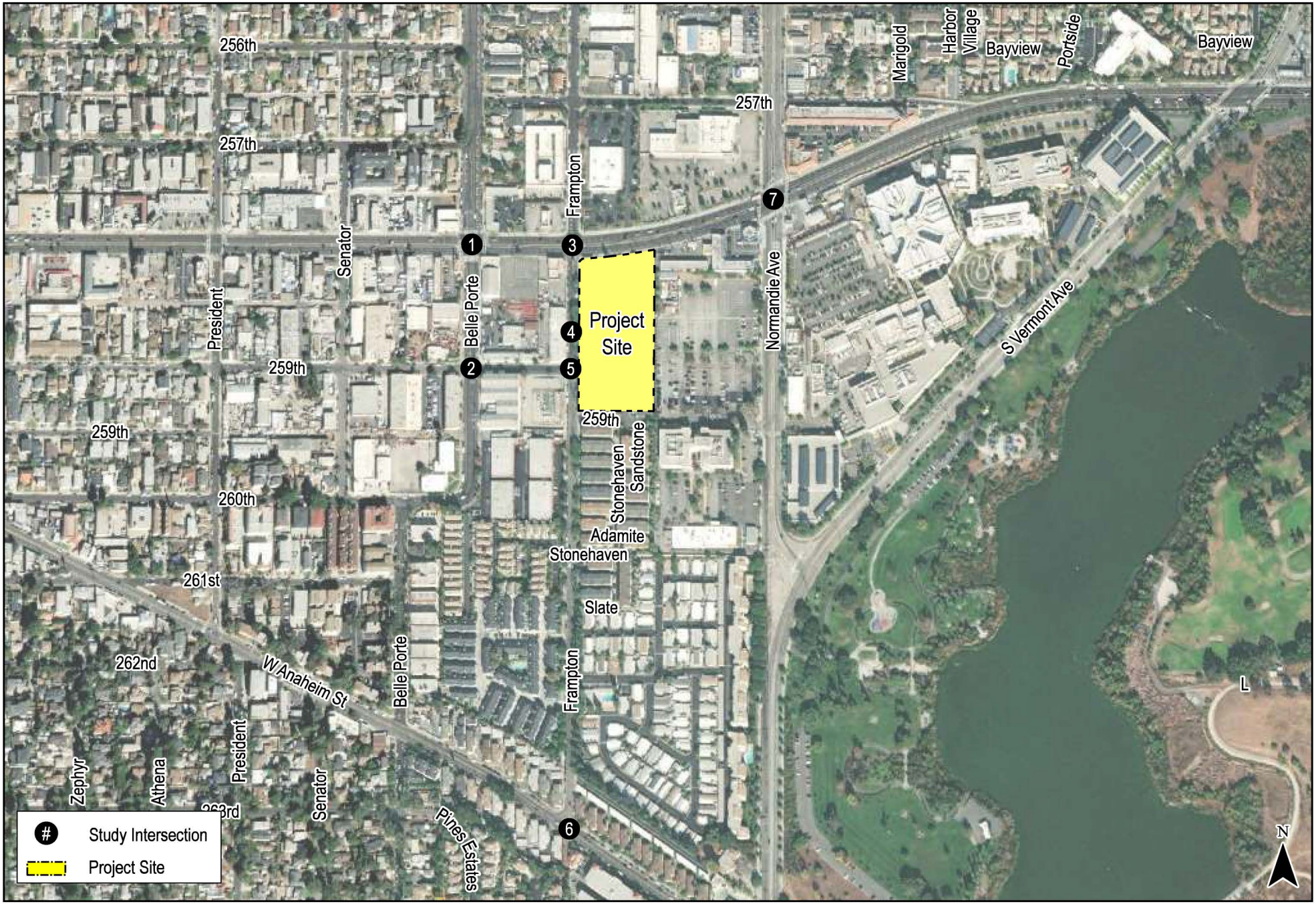
_____ (feet) at _____

V. Project Construction

Will the project require any construction activity within the city right-of-way? ☒ Yes ☐ No

If yes, will the project require temporary closure of any of the following city facilities?

- sidewalk ✓
- bike lane
- parking lane
- travel lane
- bus stop
- bicycle parking (racks or corrals)
- bike share or other micro-mobility station
- car share station
- parklet
- other: _____



LINSCOTT LAW & GREENSPAN engineers

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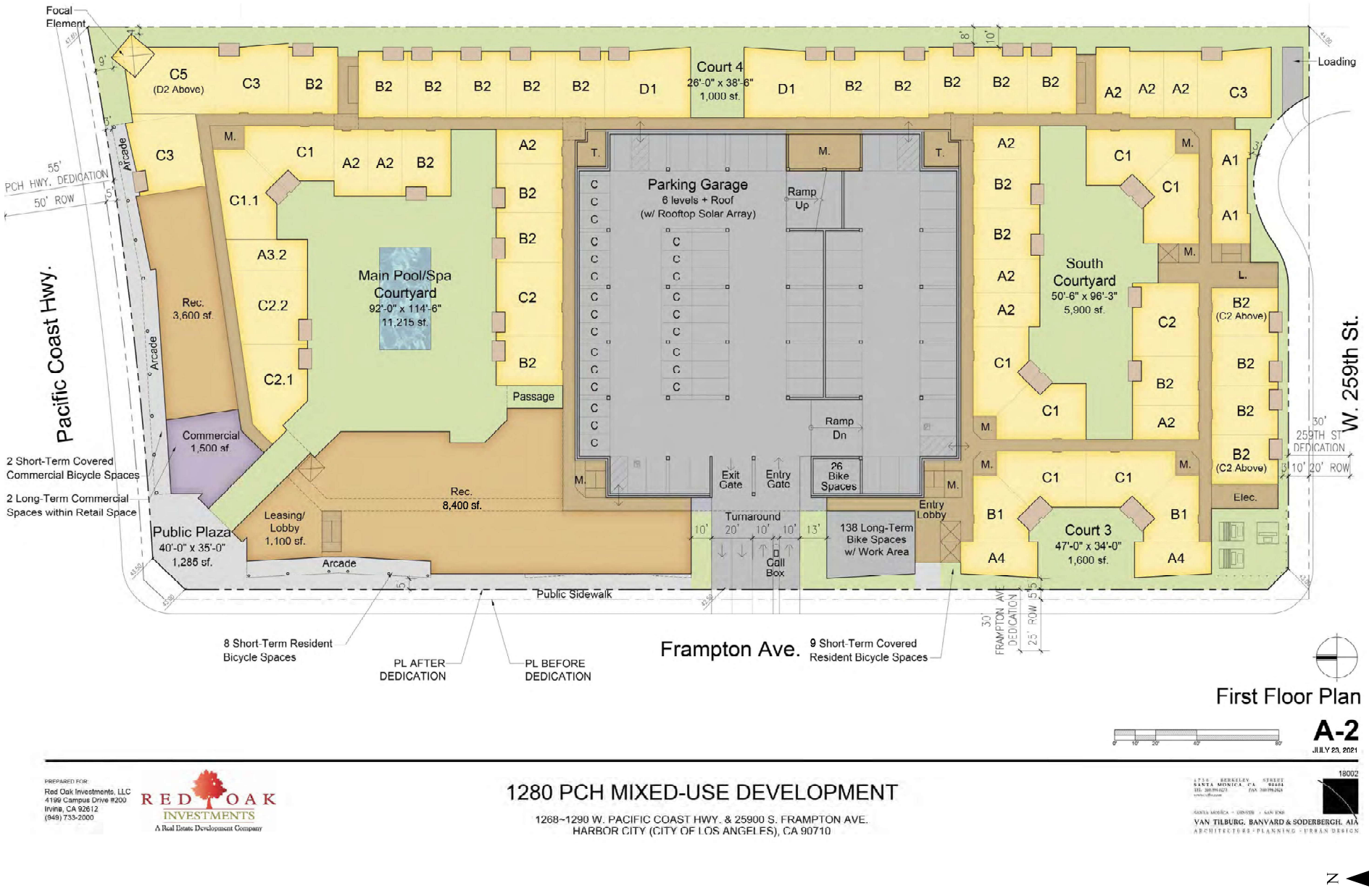
Port of Long Beach, Maxar

Figure 1-1
Vicinity Map

1280 PCH



First Floor Plan

A-2

JULY 23, 2021

PREPARED FOR:
Red Oak Investments, LLC
4199 Campus Drive #200
Irvine, CA 92612
(949) 733-2000

RED OAK INVESTMENTS
A Real Estate Development Company

1280 PCH MIXED-USE DEVELOPMENT

1268~1290 W. PACIFIC COAST HWY. & 25900 S. FRAMPTON AVE.
HARBOR CITY (CITY OF LOS ANGELES), CA 90710

18002

VAN TILBURG, BANVARD & SODERBERGH, AIA
ARCHITECTURE · PLANNING · URBAN DESIGN

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LINSCOTT LAW & GREENSPAN engineers

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Figure 2-2
Project Site Plan
First Floor Plan

1280 PCH

Table 2-1
PROJECT TRIP GENERATION [1]

02-Jul-21

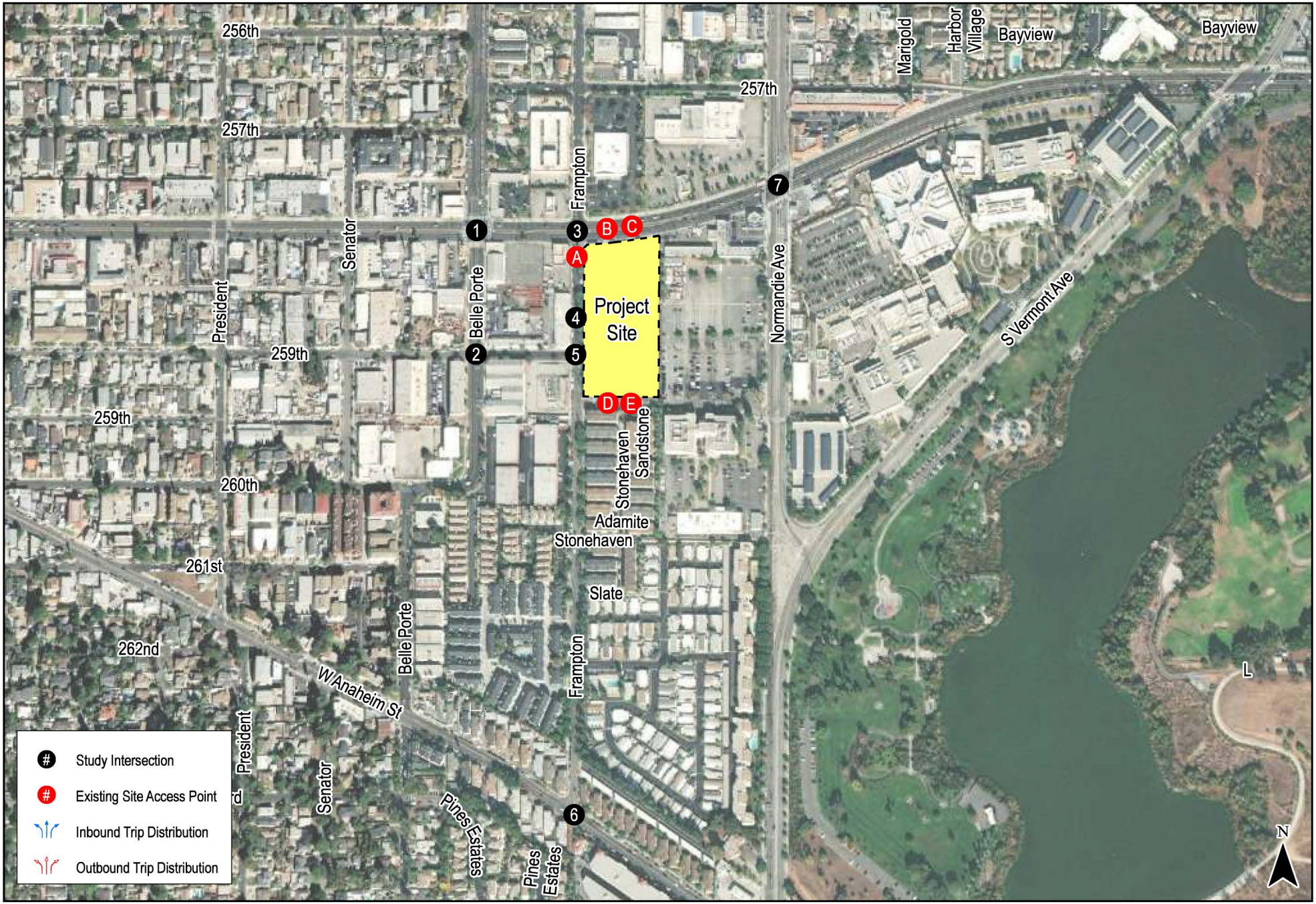
LAND USE	SIZE	DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2] IN	AM PEAK HOUR VOLUMES [2] OUT	AM PEAK HOUR VOLUMES [2] TOTAL	PM PEAK HOUR VOLUMES [2] IN	PM PEAK HOUR VOLUMES [2] OUT	PM PEAK HOUR VOLUMES [2] TOTAL
Proposed Project								
Apartments [3]	315 DU	1,714	29	84	113	85	54	139
Affordable Housing [4]	39 DU	162	8	12	20	7	6	13
Commercial [5]	1,500 GSF	168	8	7	15	9	6	15
Subtotal		2,044	45	103	148	101	66	167
Transit Trips [6]								
Apartments (10%)		(171)	(3)	(8)	(11)	(9)	(5)	(14)
Commercial (10%)		(17)	(1)	(1)	(2)	(1)	(1)	(2)
Subtotal		(188)	(4)	(9)	(13)	(10)	(6)	(16)
Subtotal Project Driveway Trips		**1,856**	**41**	**94**	**135**	**91**	**60**	**151**
Existing Site								
Mobile Home Park [7]	(42) DU	(210)	(3)	(8)	(11)	(12)	(7)	(19)
Existing Transit Trips [6]								
Mobile Home Park (10%)		21	0	1	1	1	1	2
Subtotal Existing Driveway Trips		**(189)**	**(3)**	**(7)**	**(10)**	**(11)**	**(6)**	**(17)**
NET INCREASE DRIVEWAY TRIPS		**1,667**	**38**	**87**	**125**	**80**	**54**	**134**

[1] Source: ITE *Trip Generation Manual,* 10th Edition, 2017.
[2] Trips are one-way traffic movements, entering or leaving.
[3] ITE Land Use Code 221 (Multifamily Housing [Mid-Rise]) trip generation average rates.
- Daily Trip Rate: 5.44 trips/dwelling unit; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.36 trips/dwelling unit; 26% inbound/74% outbound
- PM Peak Hour Trip Rate: 0.44 trips/dwelling unit; 61% inbound/39% outbound

[4] City of Los Angeles Affordable Housing (Family) trip generation average rates.
- Daily Trip Rate: 4.16 trips/dwelling units; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 0.52 trips/dwelling unit; 38% inbound/62% outbound
- PM Peak Hour Trip Rate: 0.38 trips/dwelling unit; 55% inbound/45% outbound

[5] ITE Land Use Code 932 (High-Turnover [Sit-Down] Restaurant) trip generation average rates.
- Daily Trip Rate: 112.18 trips/1,000 SF of floor area; 50% inbound/50% outbound
- AM Peak Hour Trip Rate: 9.94 trips/1,000 SF of floor area; 55% inbound/45% outbound
- PM Peak Hour Trip Rate: 9.77 trips/1,000 SF of floor area; 62% inbound/38% outbound

[6] The transit reduction is based on the site's proximity to Metro bus stops, as well as the land use characteristics of the project.
[7] ITE Land Use Code 240 (Mobile Home Park) trip generation average rates.
- Daily Trip Rate: 5.00 trips/dwelling unit; 50% inbound/50% outbound
-AM Peak Hour Trip Rate: 0.26 trips/dwelling unit; 31% inbound/69% outbound
-PM Peak Hour Trip Rate: 0.46 trips/dwelling unit; 62% inbound/38% outbound



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Port of Long Beach, Maxar

LINSCOTT LAW & GREENSPAN engineers

Figure 2-3
Existing Site Trip Distribution
(Page 1 of 2)

1280 PCH

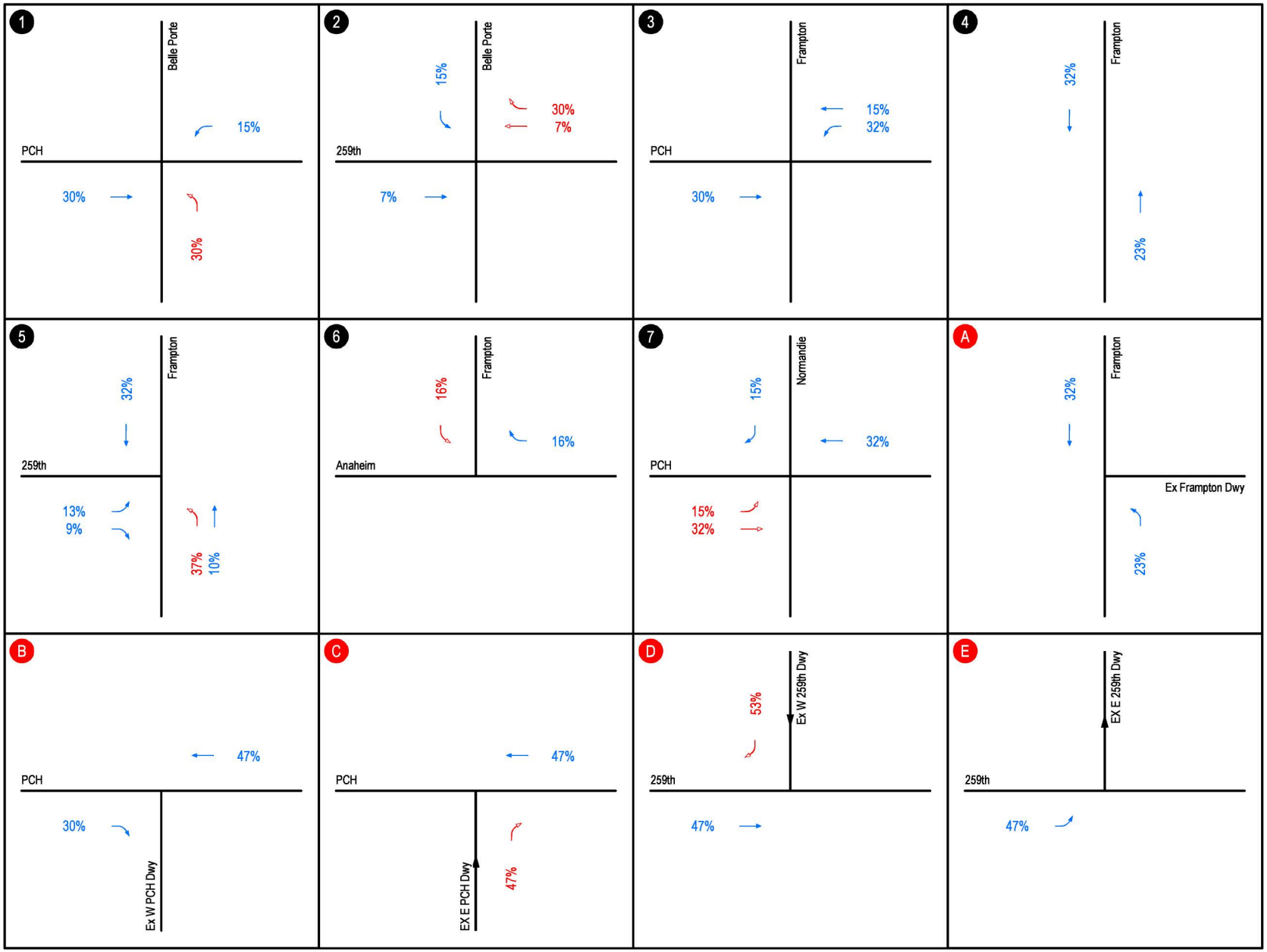

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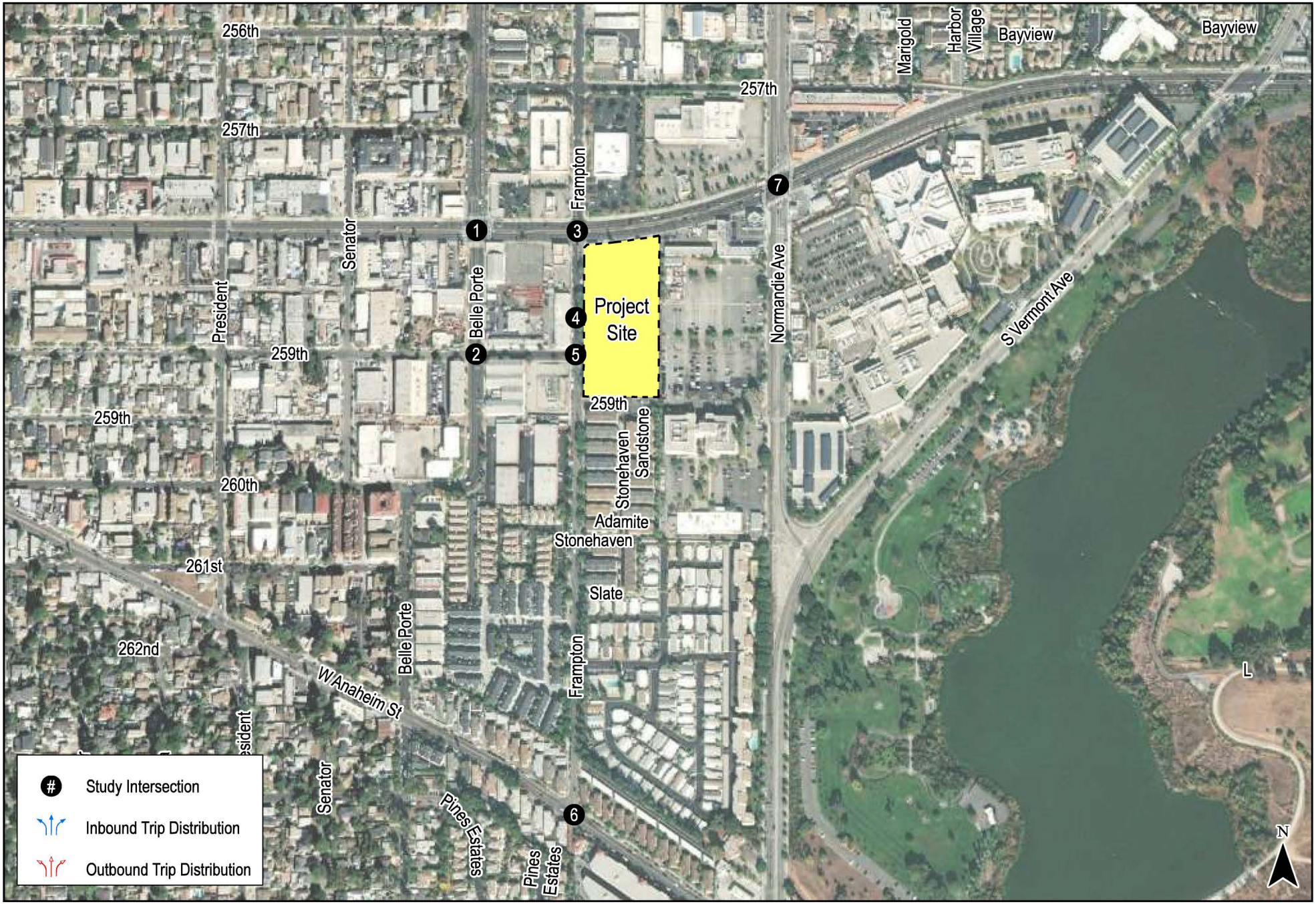
Figure 2-3
Existing Site Trip Distribution
(Page 2 of 2)

1280 PCH



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Port of Long Beach, Maxar

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Figure 2-4
Project Trip Distribution
(Page 1 of 2)

1280 PCH

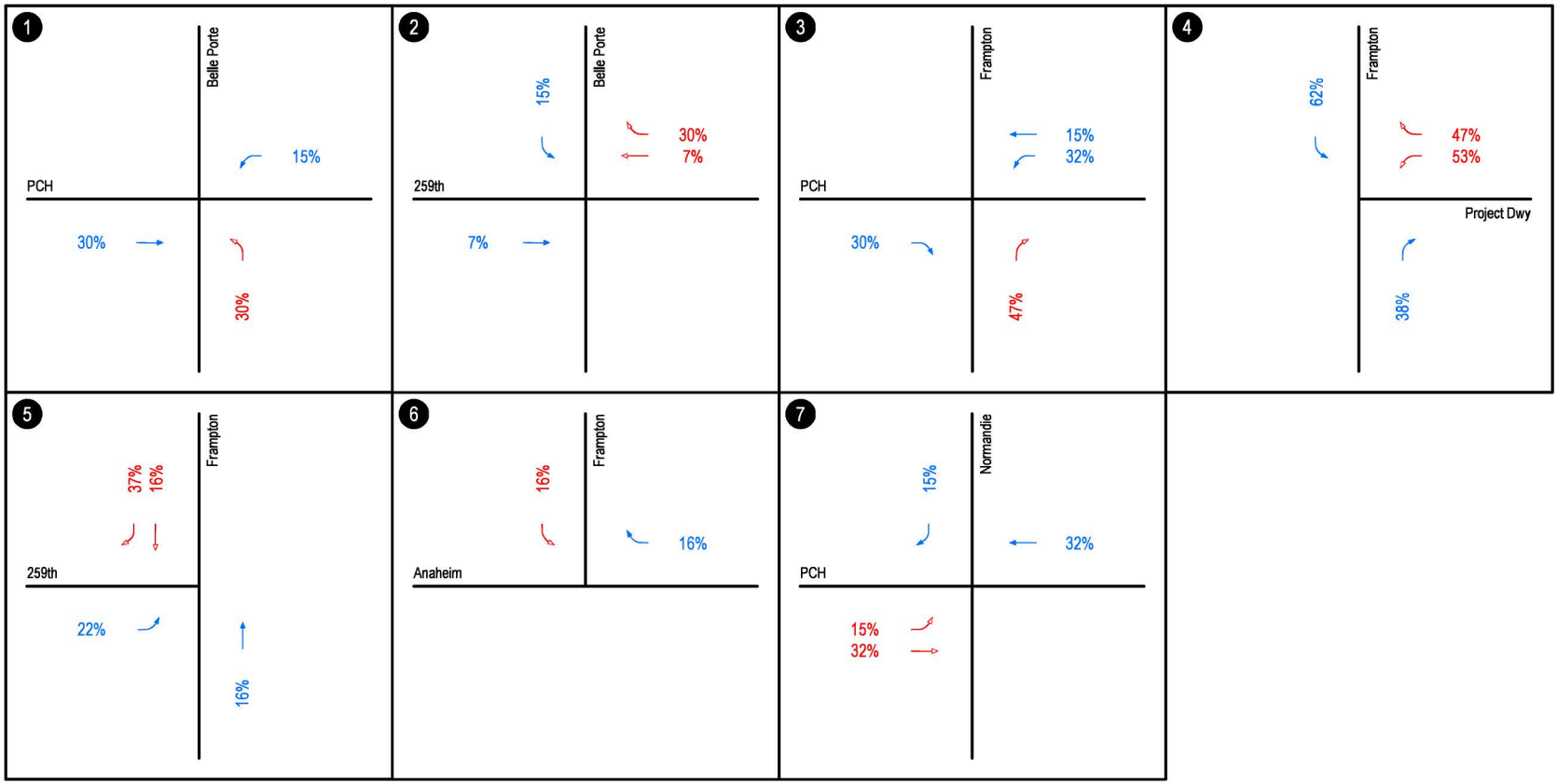

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Figure 2-4
Project Trip Distribution
(Page 2 of 2)

1280 PCH



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Port of Long Beach, Maxar

Figure 2-5
Net New Project Traffic Volumes
(Page 1 of 2)

1280 PCH

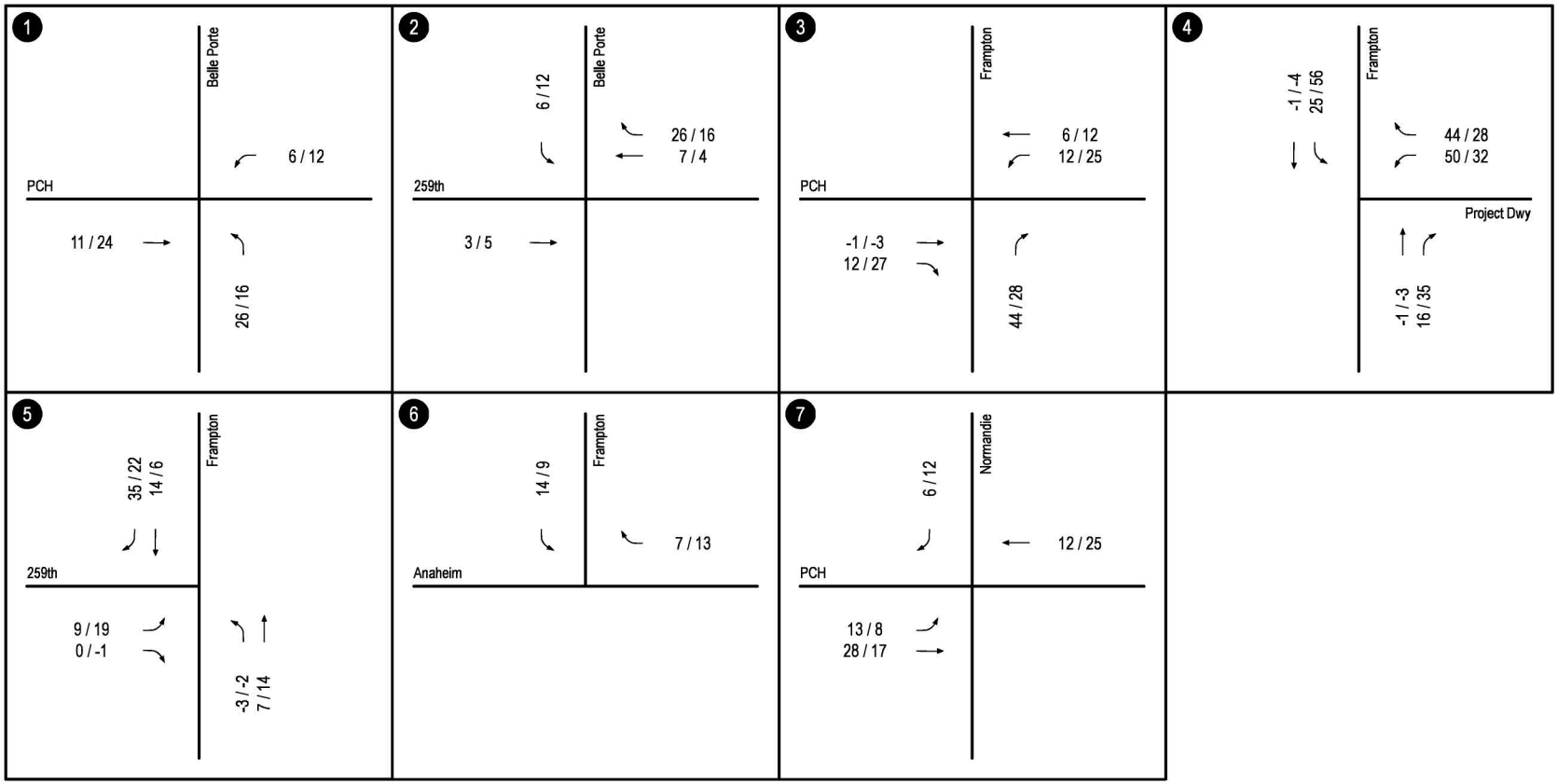

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Figure 2-5
Net New Project Traffic Volumes
(Page 2 of 2)

1280 PCH

Table 3-2
RELATED PROJECTS LIST AND TRIP GENERATION [1]

06-Jul-21

MAP NO.	PROJECT NAME/ PROJECT NUMBER	PROJECT STATUS	ADDRESS/ LOCATION	LAND USE DATA		DAILY TRIP ENDS [2] VOLUMES	AM PEAK HOUR VOLUMES [2]			PM PEAK HOUR VOLUMES [2]		
				LAND-USE	SIZE		IN	OUT	TOTAL	IN	OUT	TOTAL
1	Del Lago Apartments	Hold	1450 W. Pacific Coast Highway	Apartments	204 DU	1,357	21	83	104	82	44	126
TOTAL						1,357	21	83	104	82	44	126

[1] Source: City of Los Angeles Department of Transportation Related Projects List.
[2] Trips are one-way traffic movements, entering or leaving.



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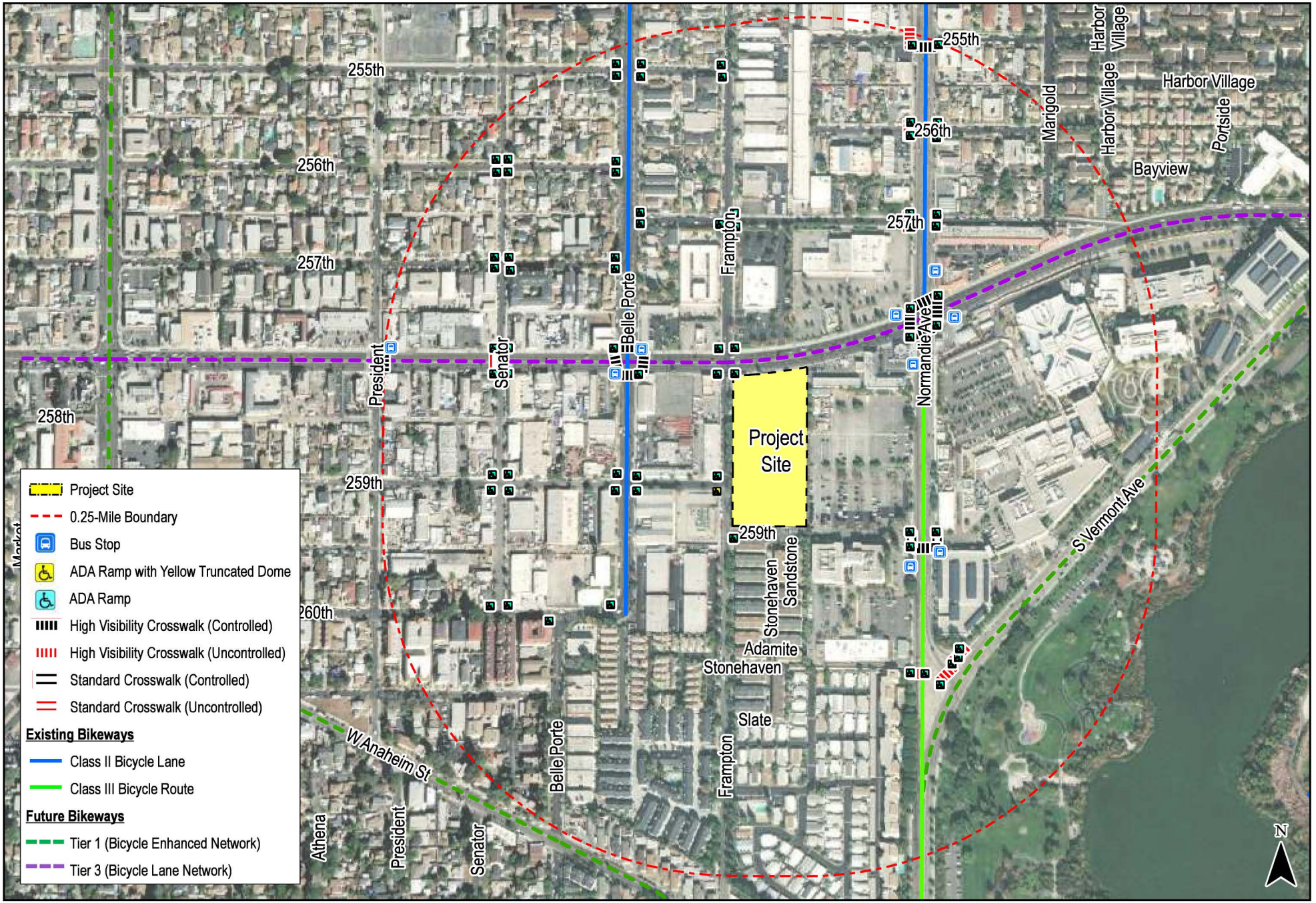
Port of Long Beach, Maxar

Figure 3-1
Pedestrian Attractor Inventory

1280 PCH



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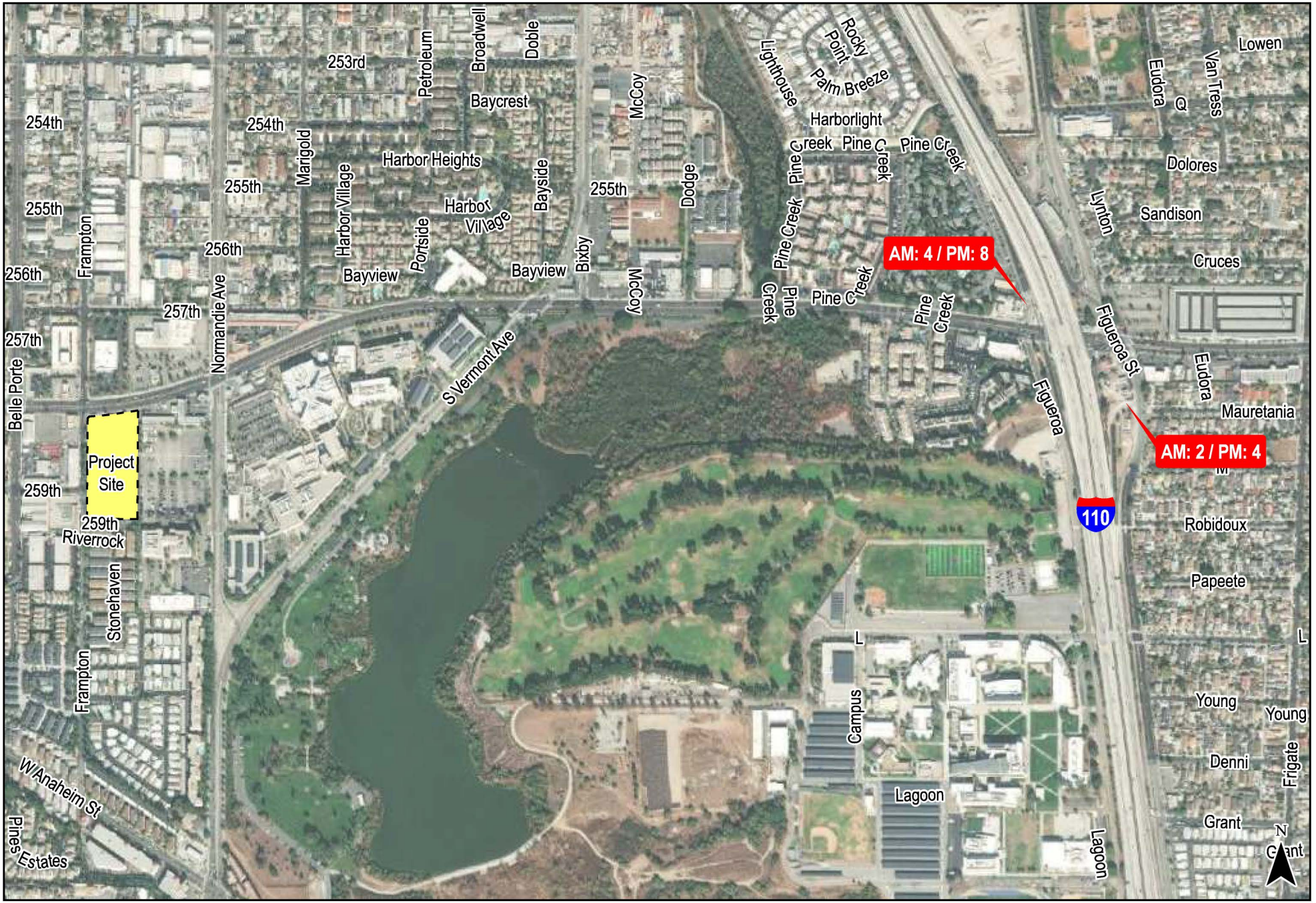
Port of Long Beach, Maxar

Figure 3-2
Facilities Inventory

1280 PCH



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Port of Long Beach, Maxar

Figure 4-1
Net New Freeway Off-Ramp Traffic Volumes

1280 PCH

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

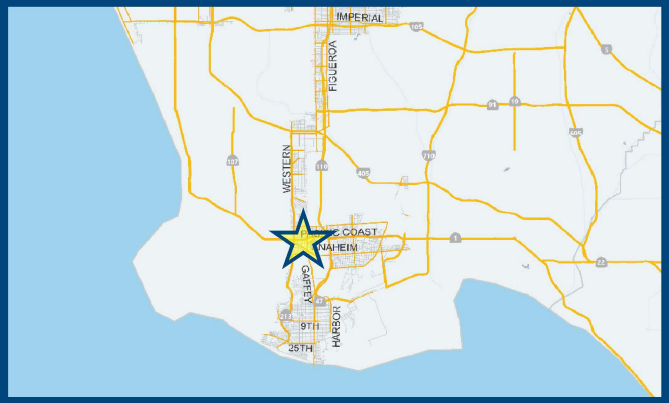
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 1280 PCH

Scenario: Proposed Project

Address: 1280 W PACIFIC COAST HWY, 90710



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

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Multi-Family		DU
(custom) Mobile Home Park | Daily	189	Trips
(custom) Mobile Home Park | HBW-Attraction S	0	Percent
(custom) Mobile Home Park | HBO-Attraction S	20	Percent
(custom) Mobile Home Park | NHB-Attraction S	5	Percent
(custom) Mobile Home Park | HBW-Production	15	Percent
(custom) Mobile Home Park | HBO-Production	41	Percent
(custom) Mobile Home Park | NHB-Production	19	Percent
(custom) Mobile Home Park | Daily	132	Residents
(custom) Mobile Home Park | Daily	0	Employees
(custom) Mobile Home Park | Daily	Non-Retai	Retail/Non-R

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

Proposed Project Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf
Housing | Multi-Family	315	DU
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf
Housing | Affordable Housing - Family	39	DU

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

Project Screening Summary

Existing Land Use	Proposed Project
159 Daily Vehicle Trips	1,919 Daily Vehicle Trips
1,024 Daily VMT	12,389 Daily VMT

Tier 1 Screening Criteria

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

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	1,760 Net Daily Trips
The net increase in daily VMT ≤ 0	11,365 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	1.500 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

7/7/2021

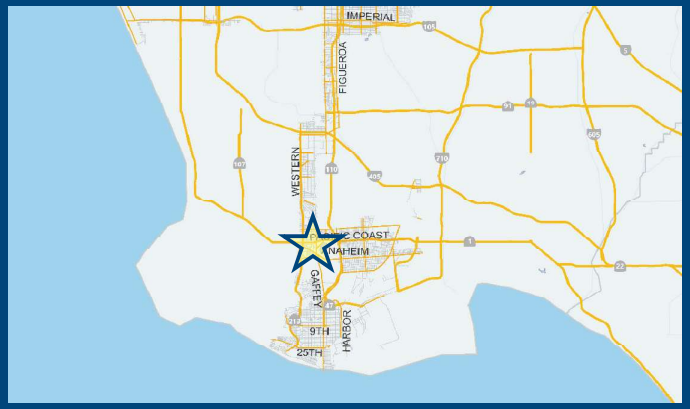
CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Information

Project: 1280 PCH

Scenario: Proposed Project

Address: 1280 W PACIFIC COAST HWY, 90710



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	315	DU
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf
Housing | Affordable Housing - Family	39	DU

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

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

A Parking

Reduce Parking Supply ☐ Proposed Prj ☐ Mitigation
- 563 city code parking provision for the project site
- 540 actual parking provision for the project site

Unbundle Parking ☐ Proposed Prj ☐ Mitigation
- 175 monthly parking cost (dollar) for the project site

Parking Cash-Out ☐ Proposed Prj ☐ Mitigation
- 50 percent of employees eligible

Price Workplace Parking ☐ Proposed Prj ☐ Mitigation
- 6.00 daily parking charge (dollar)
- 50 percent of employees subject to priced parking

Residential Area Parking Permits ☐ Proposed Prj ☐ Mitigation
- 200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
1,906 Daily Vehicle Trips	**1,906** Daily Vehicle Trips
12,312 Daily VMT	**12,312** Daily VMT
7.1 Household VMT per Capita	**7.1** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: No Threshold = 9.2 15% Below APC	**Household: No** Threshold = 9.2 15% Below APC
Work: N/A Threshold = 12.3 15% Below APC	**Work: N/A** Threshold = 12.3 15% Below APC

Measuring the Miles

7/7/2021

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: July 7, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	315	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	Family	39	DU
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	1.500	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	*General Office*	*0.000*	*ksf*
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: July 7, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

Analysis Results			
Total Employees: 6 Total Population: 832			
Proposed Project		***With Mitigation***	
1,906	**Daily Vehicle Trips**	**1,906**	**Daily Vehicle Trips**
12,312	**Daily VMT**	**12,312**	**Daily VMT**
7.1	**Household VMT per Capita**	**7.1**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Harbor			
Impact Threshold: 15% Below APC Average Household = 9.2 Work = 12.3			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 9.2 Work > 12.3	No N/A	Household > 9.2 Work > 12.3	No N/A

TDM Strategy Inputs

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: July 7, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Suburban Center

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

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Suburban Center

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

Final Combined & Maximum TDM Effect

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

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

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

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: July 7, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	315	-17.8%	259	8.8	2,772	2,279
Home Based Other Production	873	-23.8%	665	5.5	4,802	3,658
Non-Home Based Other Production	450	-1.6%	443	7.0	3,150	3,101
Home-Based Work Attraction	9	-100.0%	0	9.8	88	0
Home-Based Other Attraction	513	-19.1%	415	5.3	2,719	2,200
Non-Home Based Other Attraction	141	-2.8%	137	8.4	1,184	1,151

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-0.6%	257	2,265	-0.6%	257	2,265
Home Based Other Production	-0.6%	661	3,635	-0.6%	661	3,635
Non-Home Based Other Production	-0.6%	440	3,082	-0.6%	440	3,082
Home-Based Work Attraction	-0.6%	0	0	-0.6%	0	0
Home-Based Other Attraction	-0.6%	412	2,186	-0.6%	412	2,186
Non-Home Based Other Attraction	-0.6%	136	1,144	-0.6%	136	1,144

MXD VMT Methodology Per Capita & Per Employee

Total Population: 832
Total Employees: 6
APC: Harbor

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**5,900**	**5,900**
Total Home Based Work Attraction VMT	**0**	**0**
Total Home Based VMT Per Capita	**7.1**	**7.1**
Total Work Based VMT Per Employee	**N/A**	**N/A**

VMT Calculator User Agreement

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. This application, the VMT Calculator, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Los Angeles. The term "City" as used below shall refer to the City of Los Angeles. The terms "City" and "Fehr & Peers" as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when they are provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Calculator, You agree to be bound by this VMT Calculator User Agreement (this Agreement).

VMT Calculator Application for the City of Los Angeles. The City's consultant calibrated the VMT Calculator's parameters in 2018 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Calculator outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Calculator's accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Calculator on a computer system owned, leased or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Calculator in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Calculator, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Calculator.

Ownership. You understand and acknowledge that the City owns the VMT Calculator, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Calculator.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Calculator may not be accurate. The VMT Calculator, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Calculator is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors or omissions arising out of your use of the VMT Calculator or with respect to the material contained in the VMT Calculator. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the

VMT Calculator, regardless of the form of action, whether in contract, tort, including negligence, strict liability or otherwise, shall be the repair or replacement of the VMT Calculator to the extent feasible as determined solely by the City. In no event shall the City or Fehr & Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Calculator, whether the data, and/or formulas contained in the VMT Calculator are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Calculator or one year after the beginning of Your use of the VMT Calculator.

By using the VMT Calculator, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Calculator.

Before making decisions using the information provided in this application, contact City LADOT staff to confirm the validity of the data provided.

Print and sign below, and submit to LADOT along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	
Print Name:	Jason Shender, AICP
Title:	Transportation Planner III
Company:	Linscott, Law & Greenspan, Engineers
Address:	20931 Burbank Boulevard, Suite C Woodland Hills, CA 91367
Phone:	(818) 835-8648
Email Address:	jshender@llgengineers.com
Date:	7/7/2021

APPENDIX B

LADOT VMT CALCULATOR OUTPUT

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

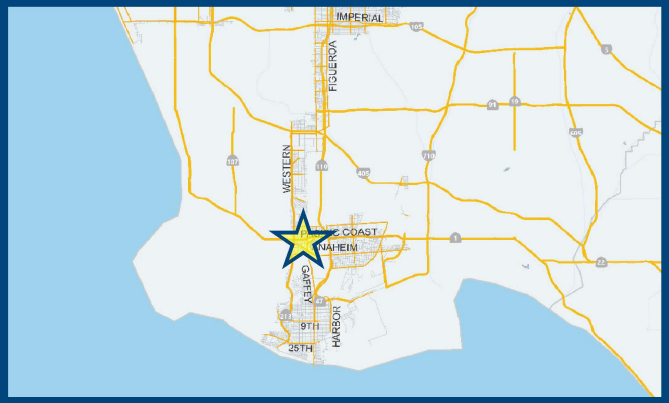
Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 1280 PCH

Scenario: Proposed Project

Address: 1280 W PACIFIC COAST HWY, 90710



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

○ Yes ○ No

Existing Land Use

Land Use Type	Value	Unit
Housing | Multi-Family		DU
(custom) Mobile Home Park | Daily	189	Trips
(custom) Mobile Home Park | HBW-Attraction S	0	Percent
(custom) Mobile Home Park | HBO-Attraction S	20	Percent
(custom) Mobile Home Park | NHB-Attraction S	5	Percent
(custom) Mobile Home Park | HBW-Production	15	Percent
(custom) Mobile Home Park | HBO-Production	41	Percent
(custom) Mobile Home Park | NHB-Production	19	Percent
(custom) Mobile Home Park | Daily	132	Residents
(custom) Mobile Home Park | Daily	0	Employees
(custom) Mobile Home Park | Daily	Non-Retai	Retail/Non-R

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

Proposed Project Land Use

Land Use Type	Value	Unit
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf
Housing | Multi-Family	312	DU
Housing | Affordable Housing - Family	42	DU
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf

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

Project Screening Summary

Existing Land Use	Proposed Project
159 Daily Vehicle Trips	1,919 Daily Vehicle Trips
1,024 Daily VMT	12,389 Daily VMT

Tier 1 Screening Criteria

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

Tier 2 Screening Criteria

The net increase in daily trips < 250 trips	1,760 Net Daily Trips
The net increase in daily VMT ≤ 0	11,365 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	1.500 ksf

The proposed project is required to perform VMT analysis.

Measuring the Miles

9/9/2021

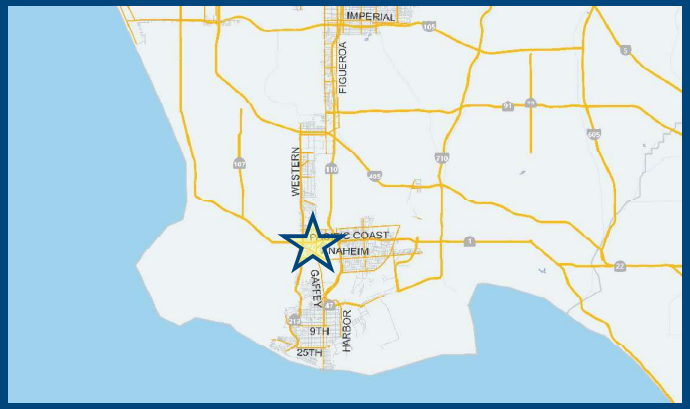
CITY OF LOS ANGELES VMT CALCULATOR Version 1.3

Project Information

Project: 1280 PCH

Scenario: Proposed Project

Address: 1280 W PACIFIC COAST HWY, 90710



Proposed Project Land Use Type	Value	Unit
Housing | Multi-Family	312	DU
Housing | Affordable Housing - Family	42	DU
Retail | High-Turnover Sit-Down Restaurant	1.5	ksf

TDM Strategies

Select each section to show individual strategies

Use ☑ to denote if the TDM strategy is part of the proposed project or is a mitigation strategy

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

A Parking

Reduce Parking Supply ☐ Proposed Prj ☐ Mitigation
- 563 city code parking provision for the project site
- 540 actual parking provision for the project site

Unbundle Parking ☐ Proposed Prj ☐ Mitigation
- 175 monthly parking cost (dollar) for the project site

Parking Cash-Out ☐ Proposed Prj ☐ Mitigation
- 50 percent of employees eligible

Price Workplace Parking ☐ Proposed Prj ☐ Mitigation
- 6.00 daily parking charge (dollar)
- 50 percent of employees subject to priced parking

Residential Area Parking Permits ☐ Proposed Prj ☐ Mitigation
- 200 cost (dollar) of annual permit

B Transit

C Education & Encouragement

D Commute Trip Reductions

E Shared Mobility

F Bicycle Infrastructure

G Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
1,906 Daily Vehicle Trips	**1,906** Daily Vehicle Trips
12,312 Daily VMT	**12,312** Daily VMT
7.1 Household VMT per Capita	**7.1** Household VMT per Capita
N/A Work VMT per Employee	**N/A** Work VMT per Employee

Significant VMT Impact?

Proposed Project	With Mitigation
Household: No Threshold = 9.2 15% Below APC	**Household: No** Threshold = 9.2 15% Below APC
Work: N/A Threshold = 12.3 15% Below APC	**Work: N/A** Threshold = 12.3 15% Below APC

Measuring the Miles

9/9/2021

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: September 9, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

Project Information			
Land Use Type		**Value**	**Units**
Housing	*Single Family*	*0*	*DU*
	Multi Family	312	DU
	Townhouse	*0*	*DU*
	Hotel	*0*	*Rooms*
	Motel	*0*	*Rooms*
Affordable Housing	Family	42	DU
	Senior	*0*	*DU*
	Special Needs	*0*	*DU*
	Permanent Supportive	*0*	*DU*
Retail	*General Retail*	*0.000*	*ksf*
	Furniture Store	*0.000*	*ksf*
	Pharmacy/Drugstore	*0.000*	*ksf*
	Supermarket	*0.000*	*ksf*
	Bank	*0.000*	*ksf*
	Health Club	*0.000*	*ksf*
	High-Turnover Sit-Down Restaurant	1.500	ksf
	Fast-Food Restaurant	*0.000*	*ksf*
	Quality Restaurant	*0.000*	*ksf*
	Auto Repair	*0.000*	*ksf*
	Home Improvement	*0.000*	*ksf*
	Free-Standing Discount	*0.000*	*ksf*
	Movie Theater	*0*	*Seats*
Office	*General Office*	*0.000*	*ksf*
	Medical Office	*0.000*	*ksf*
Industrial	*Light Industrial*	*0.000*	*ksf*
	Manufacturing	*0.000*	*ksf*
	Warehousing/Self-Storage	*0.000*	*ksf*
School	*University*	*0*	*Students*
	High School	*0*	*Students*
	Middle School	*0*	*Students*
	Elementary	*0*	*Students*
	Private School (K-12)	*0*	*Students*
Other		*0*	*Trips*

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: September 9, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

Analysis Results			
Total Employees: 6 Total Population: 835			
Proposed Project		***With Mitigation***	
1,906	**Daily Vehicle Trips**	**1,906**	**Daily Vehicle Trips**
12,312	**Daily VMT**	**12,312**	**Daily VMT**
7.1	**Household VMT per Capita**	**7.1**	**Household VMT per Capita**
N/A	**Work VMT per Employee**	**N/A**	**Work VMT per Employee**

Significant VMT Impact?			
APC: Harbor			
Impact Threshold: 15% Below APC Average Household = 9.2 Work = 12.3			
Proposed Project		***With Mitigation***	
VMT Threshold	**Impact**	**VMT Threshold**	**Impact**
Household > 9.2 Work > 12.3	No N/A	Household > 9.2 Work > 12.3	No N/A

TDM Strategy Inputs

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

(cont. on following page)

TDM Strategy Inputs, Cont.

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: September 9, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

TDM Adjustments by Trip Purpose & Strategy

Place type: Suburban Center

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

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Suburban Center

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

Final Combined & Maximum TDM Effect

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

= Minimum (X%, 1-[(1-A)*(1-B)…])

where X%=

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

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: September 9, 2021
Project Name: 1280 PCH
Project Scenario: Proposed Project
Project Address: 1280 W PACIFIC COAST HWY, 90710

Version 1.3

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	315	-17.8%	259	8.8	2,772	2,279
Home Based Other Production	873	-23.8%	665	5.5	4,802	3,658
Non-Home Based Other Production	450	-1.6%	443	7.0	3,150	3,101
Home-Based Work Attraction	9	-100.0%	0	9.8	88	0
Home-Based Other Attraction	513	-19.1%	415	5.3	2,719	2,200
Non-Home Based Other Attraction	141	-2.8%	137	8.4	1,184	1,151

MXD Methodology with TDM Measures

	Proposed Project			*Project with Mitigation Measures*		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-0.6%	257	2,265	-0.6%	257	2,265
Home Based Other Production	-0.6%	661	3,635	-0.6%	661	3,635
Non-Home Based Other Production	-0.6%	440	3,082	-0.6%	440	3,082
Home-Based Work Attraction	-0.6%	0	0	-0.6%	0	0
Home-Based Other Attraction	-0.6%	412	2,186	-0.6%	412	2,186
Non-Home Based Other Attraction	-0.6%	136	1,144	-0.6%	136	1,144

MXD VMT Methodology Per Capita & Per Employee

Total Population: 835
Total Employees: 6
APC: Harbor

	Proposed Project	*Project with Mitigation Measures*
Total Home Based Production VMT	**5,900**	**5,900**
Total Home Based Work Attraction VMT	**0**	**0**
Total Home Based VMT Per Capita	**7.1**	**7.1**
Total Work Based VMT Per Employee	**N/A**	**N/A**

VMT Calculator User Agreement

The Los Angeles Department of Transportation (LADOT), in partnership with the Department of City Planning and Fehr & Peers, has developed the City of Los Angeles Vehicle Miles Traveled (VMT) Calculator to estimate project-specific daily household VMT per capita and daily work VMT per employee for land use development projects. This application, the VMT Calculator, has been provided to You, the User, to assess vehicle miles traveled (VMT) outcomes of land use projects within the City of Los Angeles. The term "City" as used below shall refer to the City of Los Angeles. The terms "City" and "Fehr & Peers" as used below shall include their respective affiliates, subconsultants, employees, and representatives.

The City is pleased to be able to provide this information to the public. The City believes that the public is most effectively served when they are provided access to the technical tools that inform the public review process of private and public land use investments. However, in using the VMT Calculator, You agree to be bound by this VMT Calculator User Agreement (this Agreement).

VMT Calculator Application for the City of Los Angeles. The City's consultant calibrated the VMT Calculator's parameters in 2018 to estimate travel patterns of locations in the City, and validated those outcomes against empirical data. However, this calibration process is limited to locations within the City, and practitioners applying the VMT Calculator outside of the City boundaries should not apply these estimates without further calibration and validation of travel patterns to verify the VMT Calculator's accuracy in estimating VMT in such other locations.

Limited License to Use. This Agreement gives You a limited, non-transferrable, non-assignable, and non-exclusive license to use and execute a copy of the VMT Calculator on a computer system owned, leased or otherwise controlled by You in Your own facilities, as set out below, provided You do not use the VMT Calculator in an unauthorized manner, and that You do not republish, copy, distribute, reverse-engineer, modify, decompile, disassemble, transfer, or sell any part of the VMT Calculator, and provided that You know and follow the terms of this Agreement. Your failure to follow the terms of this Agreement shall automatically terminate this license and Your right to use the VMT Calculator.

Ownership. You understand and acknowledge that the City owns the VMT Calculator, and shall continue to own it through Your use of it, and that no transfer of ownership of any kind is intended in allowing You to use the VMT Calculator.

Warranty Disclaimer. In spite of the efforts of the City and Fehr & Peers, some information on the VMT Calculator may not be accurate. The VMT Calculator, OUTPUTS AND ASSOCIATED DATA ARE PROVIDED "as is" WITHOUT WARRANTY OF ANY KIND, whether expressed, implied, statutory, or otherwise including but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

Limitation of Liability. It is understood that the VMT Calculator is provided without charge. Neither the City nor Fehr & Peers can be responsible or liable for any information derived from its use, or for any delays, inaccuracies, incompleteness, errors or omissions arising out of your use of the VMT Calculator or with respect to the material contained in the VMT Calculator. You understand and agree that Your sole remedy against the City or Fehr & Peers for loss or damage caused by any defect or failure of the

VMT Calculator, regardless of the form of action, whether in contract, tort, including negligence, strict liability or otherwise, shall be the repair or replacement of the VMT Calculator to the extent feasible as determined solely by the City. In no event shall the City or Fehr & Peers be responsible to You or anyone else for, or have liability for any special, indirect, incidental or consequential damages (including, without limitation, damages for loss of business profits or changes to businesses costs) or lost data or downtime, however caused, and on any theory of liability from the use of, or the inability to use, the VMT Calculator, whether the data, and/or formulas contained in the VMT Calculator are provided by the City or Fehr & Peers, or another third party, even if the City or Fehr & Peers have been advised of the possibility of such damages.

This Agreement and License shall be governed by the laws of the State of California without regard to their conflicts of law provisions, and shall be effective as of the date set forth below and, unless terminated in accordance with the above or extended by written amendment to this Agreement, shall terminate on the earlier of the date that You are not making use of the VMT Calculator or one year after the beginning of Your use of the VMT Calculator.

By using the VMT Calculator, You hereby waive and release all claims, responsibilities, liabilities, actions, damages, costs, and losses, known and unknown, against the City and Fehr & Peers for Your use of the VMT Calculator.

Before making decisions using the information provided in this application, contact City LADOT staff to confirm the validity of the data provided.

Print and sign below, and submit to LADOT along with the transportation assessment Memorandum of Understanding (MOU).

You, the User	
By:	
Print Name:	Jason Shender, AICP
Title:	Transportation Planner III
Company:	Linscott, Law & Greenspan, Engineers
Address:	20931 Burbank Boulevard, Suite C Woodland Hills, CA 91367
Phone:	(818) 835-8648
Email Address:	jshender@llgengineers.com
Date:	9/9/2021

APPENDIX C

MANUAL TRAFFIC COUNT DATA

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Belle Porte Ave

East/West Pacific Coast Hwy

Day: Wednesday Date: 09/22/2021 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	20	17	262	269
BIKES	3	1	15	14
BUSES	0	0	65	67

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	45	7.30	45	7.45	379	7.45	558	7.30
PM PK 15 MIN	36	16.00	37	16.00	462	15.45	385	17.30
AM PK HOUR	157	7.15	137	7.15	1385	7.45	1909	7.15
PM PK HOUR	125	15.30	137	15.15	1751	15.30	1362	16.45

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	40	32	70	142
8-9	27	10	52	89
9-10	16	7	41	64
15-16	28	13	72	113
16-17	29	18	73	120
17-18	25	17	59	101
TOTAL	165	97	367	629

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	53	21	49	123
8-9	42	21	35	98
9-10	32	17	43	92
15-16	60	25	45	130
16-17	43	25	38	106
17-18	45	22	35	102
TOTAL	275	131	245	651

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
265	3	2	6	0
187	4	0	6	0
156	4	1	3	0
243	9	8	7	0
226	6	0	0	0
203	4	2	4	0
1280	30	13	26	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	17	1216	14	1247
8-9	28	1236	13	1277
9-10	14	966	8	988
15-16	45	1659	13	1717
16-17	42	1628	18	1688
17-18	30	1514	9	1553
TOTAL	176	8219	75	8470

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	25	1740	36	1801
8-9	37	1563	31	1631
9-10	24	1290	15	1329
15-16	43	1173	31	1247
16-17	46	1183	30	1259
17-18	37	1246	38	1321
TOTAL	212	8195	181	8588

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
3048	1	1	5	0
2908	3	0	7	0
2317	5	0	1	0
2964	2	1	10	1
2947	9	0	8	0
2874	3	0	3	0
17058	23	2	34	1

Prepared by National Data & Surveying Services

Belle Porte Ave & Pacific Coast Hwy

Peak Hour Turning Movement Count

ID: 21-020266-001
City: Harbor City

Day: Wednesday
Date: 09/22/2021

PEAK HOURS		COUNT PERIODS
AM	07:15 AM - 08:15 AM	07:00 AM - 10:00 AM
NOON	NONE	NONE
PM	03:30 PM - 04:30 PM	03:00 PM - 06:00 PM

Belle Porte Ave — SOUTHBOUND

AM	52	25	60	0	91	AM
NOON	0	0	0	0	0	NOON
PM	51	25	55	1	95	PM

EASTBOUND — Pacific Coast Hwy

AM	NOON	PM	
1937	0	1245	⇦
0	0	1	0
23	0	43	1
1321	0	1684	3
16	0	23	0
AM	NOON	PM	

WESTBOUND — Pacific Coast Hwy

PM	NOON	AM	
31	0	35	0
1164	0	1839	3
49	0	35	1
0	0	0	0
1815	0	1459	⇨
PM	NOON	AM	

NORTHBOUND — Belle Porte Ave

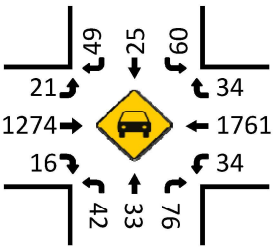
PM	97	0	29	20	76	PM
NOON	0	0	0	0	0	NOON
AM	76	0	46	33	78	AM

	1	1	1	0
	0	1	1	0

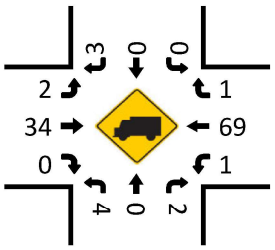
CONTROL: Signalized

TEV	3563	0	3252
	AM	NOON	PM
PHF	0.92		0.94

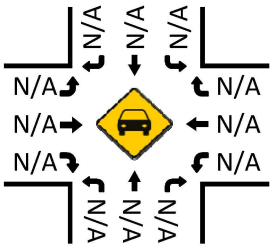
Cars (AM)



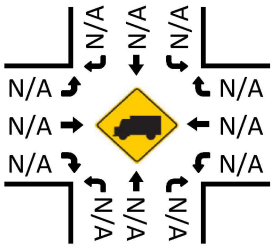
HT (AM)



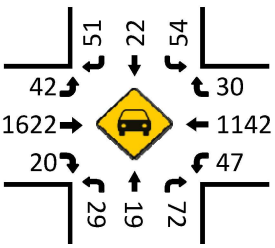
Cars (NOON)



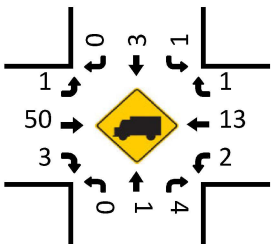
HT (NOON)



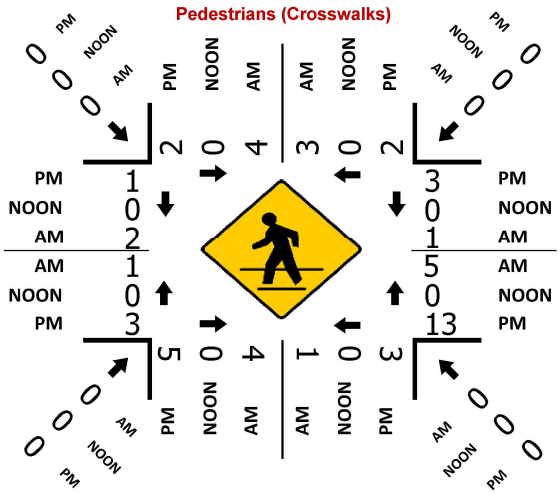
Cars (PM)



HT (PM)



Pedestrians (Crosswalks)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Belle Porte Ave & Pacific Coast Hwy
City: Harbor City
Control: Signalized

Project ID: 21-020266-001
Date: 9/22/2021

Total

NS/EW Streets:	Belle Porte Ave				Belle Porte Ave				Pacific Coast Hwy				Pacific Coast Hwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	5	1	10	0	9	2	9	0	4	255	2	0	9	331	10	0	647
7:15 AM	15	10	17	0	7	3	10	0	2	298	4	0	2	376	8	0	752
7:30 AM	13	9	23	0	11	5	22	0	6	294	3	0	7	547	4	0	944
7:45 AM	7	12	20	0	26	11	8	0	5	369	5	0	7	486	14	0	970
8:00 AM	11	2	18	0	16	6	12	0	10	360	4	0	19	430	9	0	897
8:15 AM	5	4	15	0	8	5	4	0	7	308	6	0	7	349	6	0	724
8:30 AM	6	2	11	0	11	7	12	0	3	305	2	1	6	376	8	0	750
8:45 AM	5	2	8	0	7	3	7	0	6	263	1	1	5	408	8	0	724
9:00 AM	4	1	11	0	6	9	10	0	6	225	1	0	2	342	3	0	620
9:15 AM	4	0	17	0	9	0	16	0	2	245	3	0	7	313	3	0	619
9:30 AM	3	3	7	0	9	3	7	1	3	263	3	0	3	299	3	0	607
9:45 AM	5	3	6	0	7	5	10	0	3	233	1	0	12	336	6	0	627
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	83	49	163	0	126	59	127	1	57	3418	35	2	86	4593	82	0	8881
APPROACH %'s :	28.14%	16.61%	55.25%	0.00%	40.26%	18.85%	40.58%	0.32%	1.62%	97.32%	1.00%	0.06%	1.81%	96.47%	1.72%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	46	33	78	0	60	25	52	0	23	1321	16	0	35	1839	35	0	3563
PEAK HR FACTOR :	0.767	0.688	0.848	0.000	0.577	0.568	0.591	0.000	0.575	0.895	0.800	0.000	0.461	0.840	0.625	0.000	0.918
	0.872				0.761				0.897				0.855				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	1	0	0	1	1	1	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	7	1	18	0	15	6	9	0	13	389	1	0	10	305	7	1	782
3:15 PM	8	1	15	0	18	6	11	1	7	400	1	0	9	281	7	0	765
3:30 PM	5	7	21	0	11	8	14	1	13	425	6	0	14	331	10	0	866
3:45 PM	8	4	18	0	14	5	11	0	12	445	5	0	9	256	7	0	794
4:00 PM	13	5	18	0	16	5	16	0	7	414	3	0	15	274	6	0	792
4:15 PM	3	4	19	0	14	7	10	0	11	400	9	1	11	303	8	0	800
4:30 PM	6	4	20	0	6	7	8	0	7	402	4	2	7	278	7	0	758
4:45 PM	7	5	16	0	7	6	4	0	14	412	2	0	13	328	9	0	823
5:00 PM	7	9	19	0	12	7	4	0	7	377	2	0	10	299	5	0	758
5:15 PM	4	1	15	0	6	6	10	0	4	406	2	0	7	300	6	0	767
5:30 PM	10	4	13	0	14	6	6	0	10	362	1	0	11	358	16	0	811
5:45 PM	4	3	12	0	13	3	15	0	9	369	4	0	9	289	11	0	741
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	82	48	204	0	146	72	118	2	114	4801	40	3	125	3602	99	1	9457
APPROACH %'s :	24.55%	14.37%	61.08%	0.00%	43.20%	21.30%	34.91%	0.59%	2.30%	96.83%	0.81%	0.06%	3.27%	94.12%	2.59%	0.03%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	29	20	76	0	55	25	51	1	43	1684	23	1	49	1164	31	0	3252
PEAK HR FACTOR :	0.558	0.714	0.905	0.000	0.859	0.781	0.797	0.250	0.827	0.946	0.639	0.250	0.817	0.879	0.775	0.000	0.939
	0.868				0.892				0.948				0.876				

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Belle Porte Ave

East/West 259th St

Day: Wednesday Date: 09/22/2021 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	22	20	8	9
BIKES	0	2	2	2
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	30	7.30	23	8.00	12	7.30	18	7.45
PM PK 15 MIN	24	15.00	26	15.30	12	16.15	21	16.00
AM PK HOUR	98	7.00	80	7.45	32	7.30	64	7.15
PM PK HOUR	80	15.00	90	15.30	39	15.45	50	16.45

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	2	93	3	98
8-9	1	53	3	57
9-10	4	45	1	50
15-16	5	70	5	80
16-17	4	49	4	57
17-18	1	58	2	61
TOTAL	17	368	18	403

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	11	35	14	60
8-9	4	53	9	66
9-10	7	35	7	49
15-16	13	49	17	79
16-17	11	61	15	87
17-18	13	49	9	71
TOTAL	59	282	71	412

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
158	2	0	6	0
123	1	0	2	0
99	3	0	0	0
159	1	0	4	0
144	3	0	5	0
132	4	0	0	0
815	14	0	17	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	13	10	4	27
8-9	14	8	1	23
9-10	7	5	2	14
15-16	19	9	5	33
16-17	26	11	1	38
17-18	17	7	2	26
TOTAL	96	50	15	161

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	4	16	37	57
8-9	4	10	21	35
9-10	7	10	10	27
15-16	7	4	17	28
16-17	4	7	35	46
17-18	12	10	22	44
TOTAL	38	57	142	237

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
84	7	0	1	0
58	2	0	1	0
41	3	0	4	0
61	3	0	1	1
84	2	0	4	0
70	1	0	0	0
398	18	0	11	1

Prepared by National Data & Surveying Services

Belle Porte Ave & 259th St

Peak Hour Turning Movement Count

ID: 21-020266-002
City: Harbor City

Day: Wednesday
Date: 09/22/2021

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 03:30 PM - 04:30 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

Belle Porte Ave — SOUTHBOUND

AM	13	44	10	0	153	AM
NOON	0	0	0	0	0	NOON
PM	18	61	8	3	118	PM

EASTBOUND — 259th St

AM	NOON	PM		
31	0	27	⇦	
1	0	0	↶	0
16	0	25	↱	0
11	0	10	→	1
1	0	3	↴	0

WESTBOUND — 259th St

PM	NOON	AM		
30	0	46	↰	0
5	0	15	←	1
2	0	3	↶	0
1	0	0	↶	0
23	0	22	⇨	

NORTHBOUND — Belle Porte Ave

PM	66	0	4	60	4	PM
NOON	0	0	0	0	0	NOON
AM	48	0	2	91	1	AM

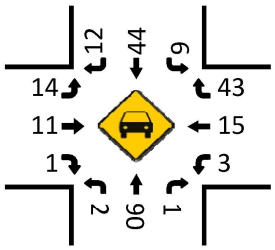
AM	NOON	PM		
0	1	0	↴	0
0	0	1	↑	1
0	0	0	↰	0

CONTROL

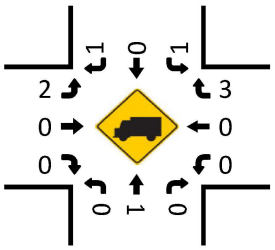
4-Way Stop

TEV	254 AM	0 NOON	234 PM
PHF	0.89		0.87

Cars (AM)



HT (AM)



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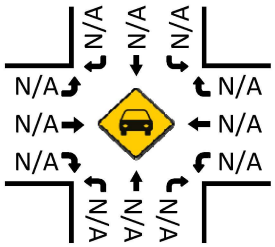

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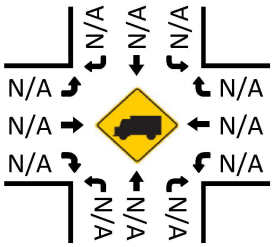
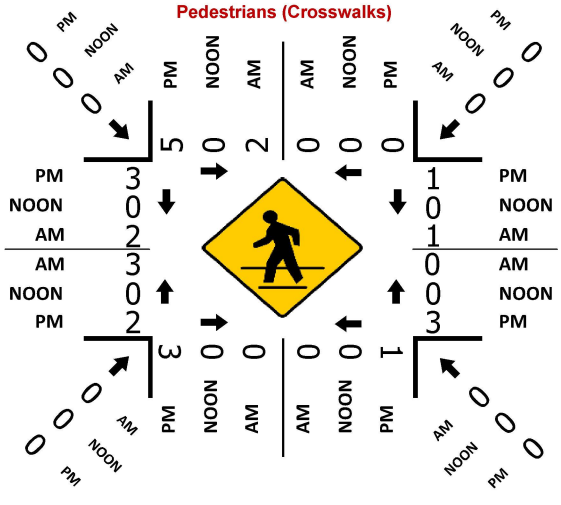
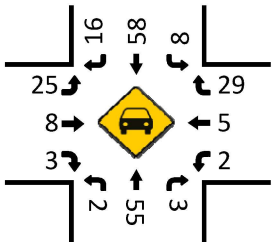


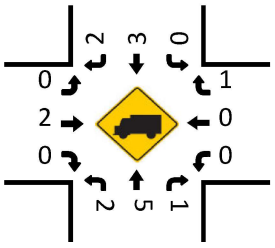
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Belle Porte Ave & 259th St
City: Harbor City
Control: 4-Way Stop

Project ID: 21-020266-002
Date: 9/22/2021

Total

NS/EW Streets:	Belle Porte Ave				Belle Porte Ave				259th St				259th St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	15	2	0	3	7	6	0	2	3	3	0	1	5	2	0	49
7:15 AM	0	23	0	0	1	4	3	0	3	1	0	0	0	3	14	0	52
7:30 AM	2	27	1	0	2	12	0	0	5	5	1	1	0	2	12	0	70
7:45 AM	0	28	0	0	5	12	5	0	2	1	0	0	3	6	9	0	71
8:00 AM	0	13	0	0	2	16	5	0	6	4	0	0	0	4	11	0	61
8:15 AM	1	16	0	0	1	14	3	0	5	1	1	0	3	1	2	0	48
8:30 AM	0	14	2	0	1	16	0	0	2	2	0	0	1	3	3	0	44
8:45 AM	0	10	1	0	0	7	1	0	1	1	0	0	0	2	5	0	28
9:00 AM	0	10	1	0	2	9	0	0	0	1	0	0	3	2	3	0	31
9:15 AM	1	17	0	0	0	9	0	0	2	3	0	0	1	4	2	0	39
9:30 AM	1	7	0	0	1	5	4	1	3	1	2	0	1	3	2	0	31
9:45 AM	2	11	0	0	3	12	3	0	2	0	0	0	2	1	3	0	39
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	7	191	7	0	21	123	30	1	33	23	7	1	15	36	68	0	563
APPROACH %'s :	3.41%	93.17%	3.41%	0.00%	12.00%	70.29%	17.14%	0.57%	51.56%	35.94%	10.94%	1.56%	12.61%	30.25%	57.14%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	2	91	1	0	10	44	13	0	16	11	1	1	3	15	46	0	254
PEAK HR FACTOR :	0.250	0.813	0.250	0.000	0.500	0.688	0.650	0.000	0.667	0.550	0.250	0.250	0.250	0.625	0.821	0.000	0.894
		0.783				0.728				0.604				0.889			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	3	18	3	0	4	11	3	0	4	3	2	0	4	0	5	0	60
3:15 PM	0	16	0	0	2	12	2	0	2	3	1	0	2	1	3	0	44
3:30 PM	0	20	2	0	1	18	5	2	9	2	0	0	1	3	4	0	67
3:45 PM	2	16	0	0	4	8	7	0	4	1	2	0	0	0	5	0	49
4:00 PM	2	12	1	0	1	15	3	0	4	4	0	0	1	1	18	1	63
4:15 PM	0	12	1	0	2	20	3	1	8	3	1	0	0	1	3	0	55
4:30 PM	2	14	1	0	4	11	6	1	10	2	0	0	0	1	5	0	57
4:45 PM	0	11	1	0	2	15	3	0	4	2	0	0	2	4	9	0	53
5:00 PM	0	20	2	0	4	14	4	0	7	2	0	0	4	3	7	0	67
5:15 PM	1	11	0	0	3	11	0	1	6	2	1	0	5	2	6	0	49
5:30 PM	0	15	0	0	4	13	1	0	3	1	1	0	2	2	4	0	46
5:45 PM	0	12	0	0	1	11	4	0	1	2	0	0	1	3	5	0	40
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	10	177	11	0	32	159	41	5	62	27	8	0	22	21	74	1	650
APPROACH %'s :	5.05%	89.39%	5.56%	0.00%	13.50%	67.09%	17.30%	2.11%	63.92%	27.84%	8.25%	0.00%	18.64%	17.80%	62.71%	0.85%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	4	60	4	0	8	61	18	3	25	10	3	0	2	5	30	1	234
PEAK HR FACTOR :	0.500	0.750	0.500	0.000	0.500	0.763	0.643	0.375	0.694	0.625	0.375	0.000	0.500	0.417	0.417	0.250	0.873
		0.773				0.865				0.792				0.452			

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Frampton Ave

East/West Pacific Coast Hwy

Day: Wednesday Date: 09/22/2021 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	9	7	269	274
BIKES	0	2	18	9
BUSES	0	0	65	68

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	26	7.30	14	7.30	427	7.45	548	7.30
PM PK 15 MIN	20	16.00	13	17.45	469	15.45	401	17.30
AM PK HOUR	87	7.00	26	7.30	1457	7.15	1938	7.15
PM PK HOUR	48	15.15	25	15.45	1828	15.30	1445	16.45

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	87	87
8-9	0	0	57	57
9-10	0	0	41	41
15-16	0	0	39	39
16-17	0	0	43	43
17-18	0	0	47	47
TOTAL	0	0	314	314

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	21	21
8-9	0	0	16	16
9-10	0	0	17	17
15-16	0	0	19	19
16-17	0	0	25	25
17-18	0	0	25	25
TOTAL	0	0	123	123

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
108	1	1	3	1
73	6	7	4	4
58	4	0	1	1
58	8	3	3	2
68	2	0	0	0
72	5	1	2	0
437	26	12	13	8

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	19	1316	11	1346
8-9	15	1284	15	1314
9-10	16	1007	17	1040
15-16	15	1753	16	1784
16-17	20	1713	24	1757
17-18	16	1579	40	1635
TOTAL	101	8652	123	8876

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	36	1793	14	1843
8-9	34	1589	22	1645
9-10	22	1334	23	1379
15-16	43	1243	16	1302
16-17	54	1254	21	1329
17-18	73	1313	22	1408
TOTAL	262	8526	118	8906

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
3189	0	0	0	0
2959	0	0	0	0
2419	1	0	1	0
3086	0	0	1	0
3086	1	1	1	0
3043	1	0	1	0
17782	3	1	4	0

Prepared by National Data & Surveying Services

Frampton Ave & Pacific Coast Hwy

Peak Hour Turning Movement Count

ID: 21-020266-003
City: Harbor City

Day: Wednesday
Date: 09/22/2021

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	03:30 PM - 04:30 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	03:00 PM - 06:00 PM

Frampton Ave — SOUTHBOUND

	L	T	R	U	
AM	24	0	0	0	42 AM
NOON	0	0	0	0	0 NOON
PM	21	0	0	0	34 PM

EASTBOUND — Pacific Coast Hwy

	AM	NOON	PM
L	0	0	0
T	1908	0	1261
R	25	0	16
U	0	0	0
	1415	0	1789
	17	0	23

WESTBOUND — Pacific Coast Hwy

	PM	NOON	AM
L	18	0	17
T	1240	0	1884
R	46	0	35
U	2	0	2
	1835	0	1494

CONTROL

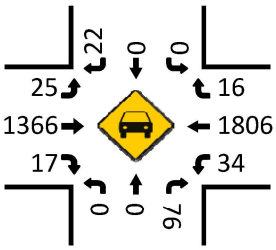
2-Way Stop(NB/SB)

TEV	3496 AM	0 NOON	3199 PM
PHF	0.88		0.94

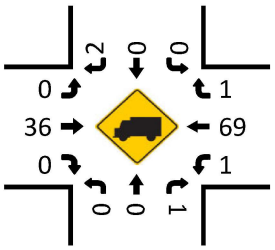
Frampton Ave — NORTHBOUND

	L	T	R	U	
PM	69	0	0	0	44 PM
NOON	0	0	0	0	0 NOON
AM	52	0	0	0	77 AM

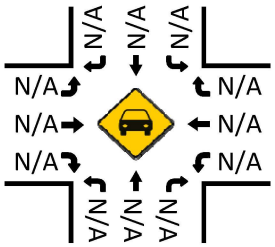
Cars (AM)



HT (AM)



Cars (NOON)



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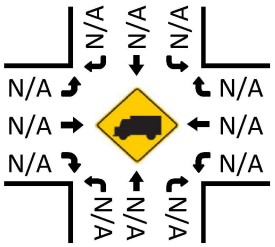
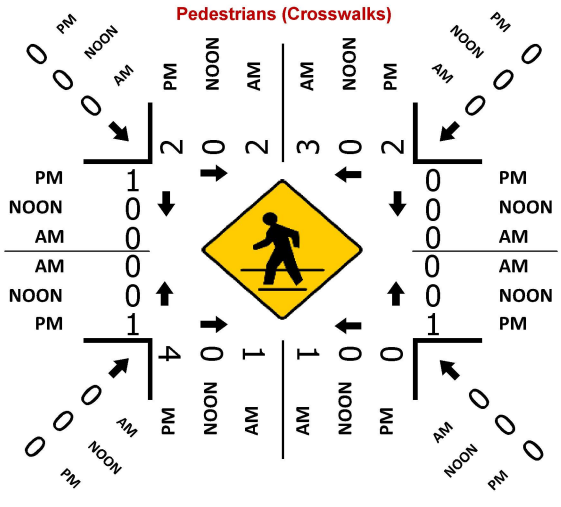


Pedestrians (Crosswalks)



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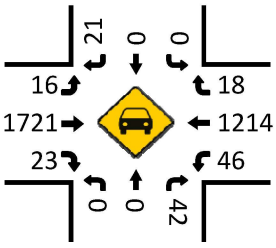

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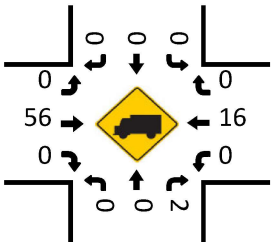


National Data & Surveying Services

Intersection Turning Movement Count

Location: Frampton Ave & Pacific Coast Hwy
City: Harbor City
Control: 2-Way Stop(NB/SB)

Project ID: 21-020266-003
Date: 9/22/2021

Total

NS/EW Streets:	Frampton Ave				Frampton Ave				Pacific Coast Hwy				Pacific Coast Hwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	1	0	0	0	1	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	23	0	0	0	4	0	1	270	0	0	8	335	1	1	643
7:15 AM	0	0	16	0	0	0	2	0	2	320	5	0	7	396	2	1	751
7:30 AM	0	0	26	0	0	0	14	0	3	318	0	0	6	536	5	1	909
7:45 AM	0	0	22	0	0	0	1	0	13	408	6	0	12	526	6	0	994
8:00 AM	0	0	13	0	0	0	7	0	7	369	6	0	10	426	4	0	842
8:15 AM	0	0	12	0	0	0	4	0	1	319	3	0	11	371	8	0	729
8:30 AM	0	0	17	0	0	0	2	0	5	315	4	0	5	380	6	1	735
8:45 AM	0	0	15	0	0	0	3	0	1	281	2	1	7	412	4	0	726
9:00 AM	0	0	10	0	0	0	1	0	6	234	4	0	5	356	5	1	622
9:15 AM	0	0	13	0	0	0	5	0	4	260	4	0	6	324	6	1	623
9:30 AM	0	0	12	0	0	0	4	0	4	274	7	0	5	305	4	1	616
9:45 AM	0	0	6	0	0	0	7	0	2	239	2	0	2	349	8	1	616
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	185	0	0	0	54	0	49	3607	43	1	84	4716	59	8	8806
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	1.32%	97.49%	1.16%	0.03%	1.73%	96.90%	1.21%	0.16%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	77	0	0	0	24	0	25	1415	17	0	35	1884	17	2	3496
PEAK HR FACTOR :	0.000	0.000	0.740	0.000	0.000	0.000	0.429	0.000	0.481	0.867	0.708	0.000	0.729	0.879	0.708	0.500	0.879
			0.740				0.429				0.853				0.884		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	1	0	0	0	1	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	11	0	0	0	12	0	4	409	4	0	12	314	2	0	768
3:15 PM	0	0	11	0	0	0	2	0	6	426	4	0	11	297	5	0	762
3:30 PM	0	0	8	0	0	0	2	0	1	456	5	0	15	361	5	0	853
3:45 PM	0	0	9	0	0	0	3	0	4	462	3	0	5	271	4	0	761
4:00 PM	0	0	20	0	0	0	8	0	8	446	3	0	15	292	6	1	799
4:15 PM	0	0	7	0	0	0	8	0	3	425	12	0	11	316	3	1	786
4:30 PM	0	0	6	0	0	0	6	0	2	413	4	0	13	298	7	1	750
4:45 PM	0	0	10	0	0	0	3	0	6	429	5	1	11	348	5	1	819
5:00 PM	0	0	13	0	0	0	3	0	4	403	10	0	18	318	8	0	777
5:15 PM	0	0	13	0	0	0	3	0	3	420	10	0	16	313	6	0	784
5:30 PM	0	0	11	0	0	0	6	0	5	378	11	0	20	376	4	1	812
5:45 PM	0	0	10	0	0	0	13	0	4	378	9	0	18	306	4	0	742
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	129	0	0	0	69	0	50	5045	80	1	165	3810	59	5	9413
APPROACH %'s :	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.97%	97.47%	1.55%	0.02%	4.09%	94.33%	1.46%	0.12%	
PEAK HR :	03:30 PM - 04:30 PM																TOTAL
PEAK HR VOL :	0	0	44	0	0	0	21	0	16	1789	23	0	46	1240	18	2	3199
PEAK HR FACTOR :	0.000	0.000	0.550	0.000	0.000	0.000	0.656	0.000	0.500	0.968	0.479	0.000	0.767	0.859	0.750	0.500	0.938
			0.550				0.656				0.974				0.857		

City Of Los Angeles

Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:

North/South Frampton Ave

East/West 259th St

Day: Wednesday Date: 09/22/2021 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	9	4	9	0
BIKES	1	1	1	0
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	36	7.45	17	7.45	10	7.30	0	0.00
PM PK 15 MIN	28	16.00	29	17.45	10	15.00	0	0.00
AM PK HOUR	121	7.15	56	7.45	24	7.00	0	0.00
PM PK HOUR	66	16.45	105	17.00	27	15.00	0	0.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	42	77	0	119
8-9	21	55	0	76
9-10	17	38	0	55
15-16	17	22	0	39
16-17	32	32	0	64
17-18	22	39	0	61
TOTAL	151	263	0	414

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	27	15	42
8-9	0	32	16	48
9-10	0	23	8	31
15-16	0	44	12	56
16-17	0	58	10	68
17-18	0	83	22	105
TOTAL	0	267	83	350

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
161	0	0	1	0
124	0	0	0	0
86	1	0	0	0
95	0	0	0	0
132	0	0	0	0
166	0	0	0	0
764	1	0	1	0

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	11	0	13	24
8-9	7	0	9	16
9-10	3	0	10	13
15-16	13	0	14	27
16-17	10	0	14	24
17-18	6	0	16	22
TOTAL	50	0	76	126

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	0	0
8-9	0	0	0	0
9-10	0	0	0	0
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
24	5	0	0	0
16	0	0	0	0
13	0	0	0	0
27	1	5	0	0
24	0	0	0	0
22	0	0	0	0
126	6	5	0	0

Prepared by National Data & Surveying Services

Frampton Ave & 259th St

Peak Hour Turning Movement Count

ID: 21-020266-004
City: Harbor City

Day: Wednesday
Date: 09/22/2021

PEAK HOURS

AM: 07:15 AM - 08:15 AM
NOON: NONE
PM: 05:00 PM - 06:00 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

Frampton Ave — SOUTHBOUND

AM	15	35	0	0	82	AM
NOON	0	0	0	0	0	NOON
PM	22	83	0	0	45	PM

259th St — EASTBOUND

AM	NOON	PM		
64	0	44	⇦	
1	0	0	↶	0
9	0	6	↱	0
0	0	0	→	1
14	0	16	↴	0
AM	NOON	PM		

CONTROL

3-Way Stop(NB/SB/EB)

TEV	195	0	188
	AM	NOON	PM
PHF	0.83		0.85

259th St — WESTBOUND

PM	NOON	AM		
0	0	0	↰	0
0	0	0	←	0
0	0	0	↰	0
0	0	0	↶	0
0	0	0	⇨	
PM	NOON	AM		

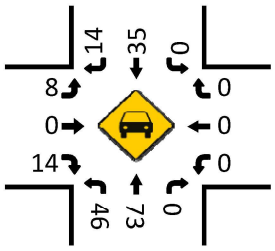
Frampton Ave — NORTHBOUND

PM	99	0	22	39	0	PM
NOON	0	0	0	0	0	NOON
AM	49	0	48	73	0	AM

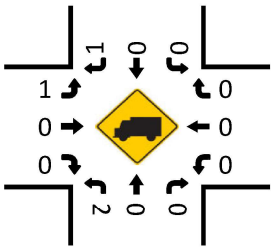
0 0 1 0

0 1 0 0

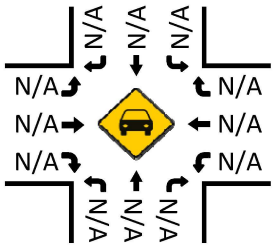
Cars (AM)



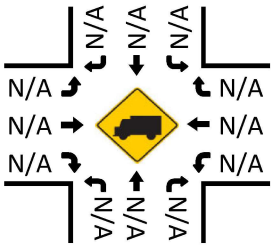
HT (AM)



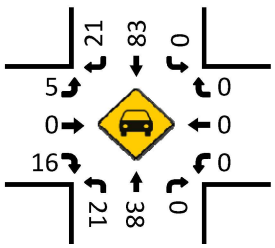
Cars (NOON)



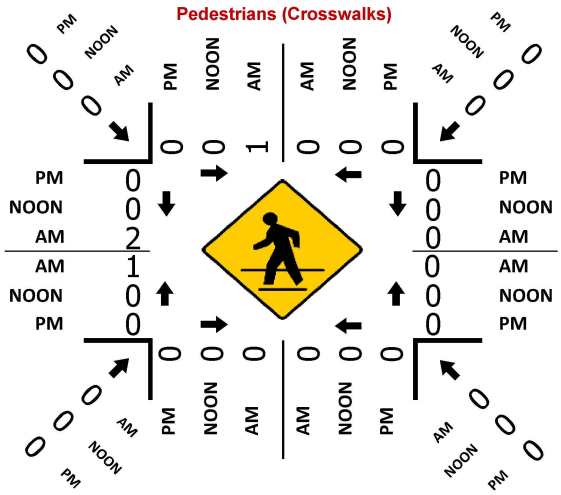
HT (NOON)



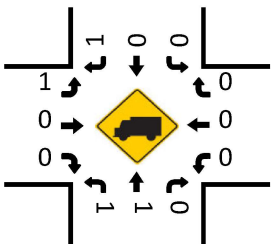
Cars (PM)



Pedestrians (Crosswalks)



HT (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Frampton Ave & 259th St
City: Harbor City
Control: 3-Way Stop(NB/SB/EB)

Project ID: 21-020266-004
Date: 9/22/2021

Total

NS/EW Streets:	Frampton Ave				Frampton Ave				259th St				259th St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	5	19	0	0	0	4	4	0	2	0	4	0	0	0	0	0	38
7:15 AM	14	15	0	0	0	7	4	0	2	0	0	0	0	0	0	0	42
7:30 AM	9	21	0	0	0	3	3	0	5	0	4	1	0	0	0	0	46
7:45 AM	14	22	0	0	0	13	4	0	1	0	5	0	0	0	0	0	59
8:00 AM	11	15	0	0	0	12	4	0	1	0	5	0	0	0	0	0	48
8:15 AM	4	11	0	0	0	9	4	0	1	0	1	0	0	0	0	0	30
8:30 AM	2	16	0	0	0	7	3	0	4	0	2	0	0	0	0	0	34
8:45 AM	4	13	0	0	0	4	5	0	1	0	1	0	0	0	0	0	28
9:00 AM	4	12	0	0	0	5	2	0	0	0	4	0	0	0	0	0	27
9:15 AM	5	10	0	0	0	8	2	0	1	0	3	0	0	0	0	0	29
9:30 AM	5	10	0	0	0	7	2	0	2	0	0	0	0	0	0	0	26
9:45 AM	3	6	0	0	0	3	2	0	0	0	3	0	0	0	0	0	17
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	80	170	0	0	0	82	39	0	20	0	32	1	0	0	0	0	424
APPROACH %'s :	32.00%	68.00%	0.00%	0.00%	0.00%	67.77%	32.23%	0.00%	37.74%	0.00%	60.38%	1.89%					
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	48	73	0	0	0	35	15	0	9	0	14	1	0	0	0	0	195
PEAK HR FACTOR :	0.857	0.830	0.000	0.000	0.000	0.673	0.938	0.000	0.450	0.000	0.700	0.250	0.000	0.000	0.000	0.000	0.826
	0.840				0.735				0.600								

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	5	3	0	0	0	11	4	0	5	0	5	0	0	0	0	0	33
3:15 PM	5	8	0	0	0	13	2	0	2	0	3	0	0	0	0	0	33
3:30 PM	3	5	0	0	0	14	3	0	2	0	3	0	0	0	0	0	30
3:45 PM	4	6	0	0	0	6	3	0	4	0	3	0	0	0	0	0	26
4:00 PM	15	13	0	0	0	12	4	0	4	0	3	0	0	0	0	0	51
4:15 PM	2	7	0	0	0	21	1	0	2	0	3	0	0	0	0	0	36
4:30 PM	6	4	0	0	0	14	1	0	2	0	6	0	0	0	0	0	33
4:45 PM	9	8	0	0	0	11	4	0	2	0	2	0	0	0	0	0	36
5:00 PM	10	12	0	0	0	21	4	0	3	0	5	0	0	0	0	0	55
5:15 PM	5	8	0	0	0	18	6	0	1	0	4	0	0	0	0	0	42
5:30 PM	3	11	0	0	0	21	6	0	1	0	5	0	0	0	0	0	47
5:45 PM	4	8	0	0	0	23	6	0	1	0	2	0	0	0	0	0	44
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	71	93	0	0	0	185	44	0	29	0	44	0	0	0	0	0	466
APPROACH %'s :	43.29%	56.71%	0.00%	0.00%	0.00%	80.79%	19.21%	0.00%	39.73%	0.00%	60.27%	0.00%					
PEAK HR :	05:00 PM - 06:00 PM																TOTAL
PEAK HR VOL :	22	39	0	0	0	83	22	0	6	0	16	0	0	0	0	0	188
PEAK HR FACTOR :	0.550	0.813	0.000	0.000	0.000	0.902	0.917	0.000	0.500	0.000	0.800	0.000	0.000	0.000	0.000	0.000	0.855
	0.693				0.905				0.688								

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Frampton Ave

East/West Anaheim St

Day: Wednesday Date: 09/22/2021 Weather: SUNNY

Hours: Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	0	2	32	48
BIKES	0	0	6	5
BUSES	0	0	0	0

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	0	0.00	26	7.45	116	7.45	158	7.30
PM PK 15 MIN	0	0.00	18	16.15	146	16.00	153	17.00
AM PK HOUR	0	0.00	79	7.00	408	7.15	589	7.30
PM PK HOUR	0	0.00	53	16.15	549	15.15	497	16.45

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	0	0	0
8-9	0	0	0	0
9-10	0	0	0	0
15-16	0	0	0	0
16-17	0	0	0	0
17-18	0	0	0	0
TOTAL	0	0	0	0

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	29	0	50	79
8-9	15	0	35	50
9-10	13	0	25	38
15-16	7	0	32	39
16-17	22	0	30	52
17-18	9	0	39	48
TOTAL	95	0	211	306

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
79	0	0	4	1
50	0	0	2	0
38	0	0	0	0
39	0	0	1	0
52	0	0	1	0
48	0	0	4	0
306	0	0	12	1

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	26	350	0	376
8-9	25	278	0	303
9-10	17	240	0	257
15-16	27	497	0	524
16-17	29	511	0	540
17-18	36	461	0	497
TOTAL	160	2337	0	2497

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	0	496	18	514
8-9	0	481	25	506
9-10	0	354	20	374
15-16	0	438	7	445
16-17	0	433	22	455
17-18	0	466	28	494
TOTAL	0	2668	120	2788

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
890	0	0	0	0
809	1	0	0	0
631	0	0	0	0
969	0	0	0	1
995	1	0	0	0
991	1	0	0	0
5285	3	0	0	1

Prepared by National Data & Surveying Services

Frampton Ave & Anaheim St

Peak Hour Turning Movement Count

ID: 21-020266-005
City: Harbor City

Day: Wednesday
Date: 09/22/2021

PEAK HOURS

AM: 07:30 AM - 08:30 AM
NOON: NONE
PM: 04:30 PM - 05:30 PM

COUNT PERIODS

AM: 07:00 AM - 10:00 AM
NOON: NONE
PM: 03:00 PM - 06:00 PM

Frampton Ave — SOUTHBOUND

AM	54	0	21	0	41	AM
NOON	0	0	0	0	0	NOON
PM	36	0	14	0	62	PM

Anaheim St — EASTBOUND

AM	NOON	PM	
621	0	497	⇦
1	0	1	↶ 0
18	0	31	↱ 0
366	0	498	→ 2
0	0	0	↷ 0
AM	NOON	PM	

Anaheim St — WESTBOUND

PM	NOON	AM	
31	0	23	0 ↰
460	0	566	1 ←
0	0	0	0 ↙
0	0	0	0 ↙
512	0	387	⇨
PM	NOON	AM	

Frampton Ave — NORTHBOUND

PM	0	0	0	0	0	PM
NOON	0	0	0	0	0	NOON
AM	0	0	0	0	0	AM

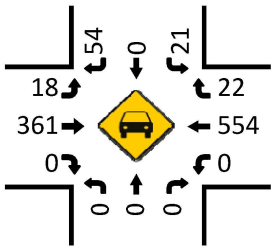
1	1	0	0	⇧	0	0	0	0

CONTROL

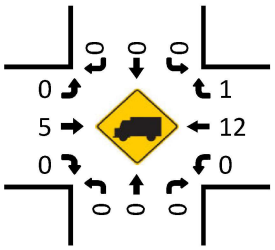
1-Way Stop(SB)

TEV	1049	0	1071
	AM	NOON	PM
PHF	0.89		0.92

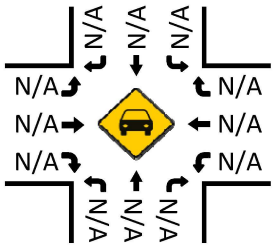
Cars (AM)



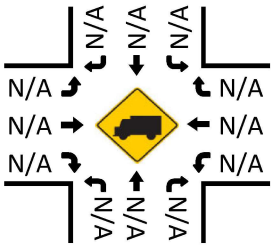
HT (AM)



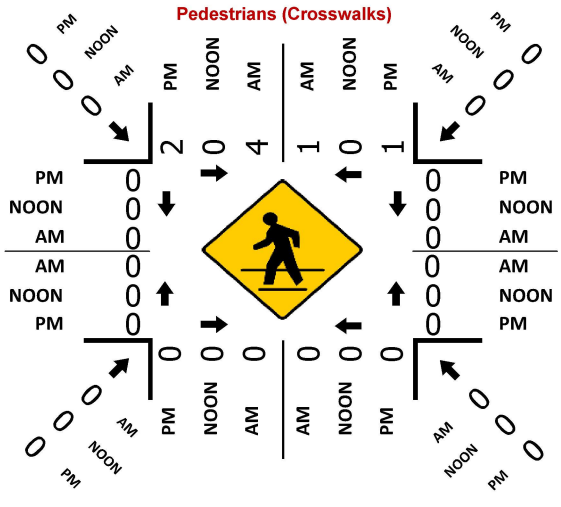
Cars (NOON)



HT (NOON)



Pedestrians (Crosswalks)


PM
NOON
AM
2
0
4
1
0
1
0
0
0
0
0
0

National Data & Surveying Services

Intersection Turning Movement Count

Location: Frampton Ave & Anaheim St
City: Harbor City
Control: 1-Way Stop(SB)

Project ID: 21-020266-005
Date: 9/22/2021

Total

NS/EW Streets:	Frampton Ave				Frampton Ave				Anaheim St				Anaheim St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	1	0	0	2	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	9	0	7	0	3	61	0	0	0	87	5	0	172
7:15 AM	0	0	0	0	5	0	9	0	9	82	0	1	0	108	2	0	216
7:30 AM	0	0	0	0	7	0	16	0	3	101	0	0	0	154	4	0	285
7:45 AM	0	0	0	0	8	0	18	0	10	106	0	0	0	147	7	0	296
8:00 AM	0	0	0	0	4	0	9	0	2	93	0	1	0	130	4	0	243
8:15 AM	0	0	0	0	2	0	11	0	3	66	0	0	0	135	8	0	225
8:30 AM	0	0	0	0	5	0	10	0	9	66	0	1	0	103	10	0	204
8:45 AM	0	0	0	0	4	0	5	0	9	53	0	0	0	113	3	0	187
9:00 AM	0	0	0	0	1	0	8	0	7	57	0	0	0	99	4	0	176
9:15 AM	0	0	0	0	4	0	8	0	5	62	0	0	0	85	6	0	170
9:30 AM	0	0	0	0	2	0	8	0	2	51	0	1	0	83	6	0	153
9:45 AM	0	0	0	0	6	0	1	0	2	70	0	0	0	87	4	0	170
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	57	0	110	0	64	868	0	4	0	1331	63	0	2497
APPROACH %'s :					34.13%	0.00%	65.87%	0.00%	6.84%	92.74%	0.00%	0.43%	0.00%	95.48%	4.52%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	0	0	0	0	21	0	54	0	18	366	0	1	0	566	23	0	1049
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.656	0.000	0.750	0.000	0.450	0.863	0.000	0.250	0.000	0.919	0.719	0.000	0.886
							0.721				0.830				0.932		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	0	0	0	0	0	1	1	0	0	2	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	0	0	0	0	2	0	10	0	3	118	0	0	0	102	0	0	235
3:15 PM	0	0	0	0	1	0	5	0	5	123	0	0	0	115	5	0	254
3:30 PM	0	0	0	0	2	0	10	0	7	135	0	0	0	115	1	0	270
3:45 PM	0	0	0	0	2	0	7	0	12	121	0	0	0	106	1	0	249
4:00 PM	0	0	0	0	5	0	5	0	10	136	0	0	0	107	5	0	268
4:15 PM	0	0	0	0	7	0	11	0	7	117	0	0	0	107	5	0	254
4:30 PM	0	0	0	0	6	0	6	0	8	127	0	0	0	101	4	0	252
4:45 PM	0	0	0	0	4	0	8	0	4	131	0	0	0	118	8	0	273
5:00 PM	0	0	0	0	1	0	10	0	7	119	0	0	0	142	11	0	290
5:15 PM	0	0	0	0	3	0	12	0	12	121	0	1	0	99	8	0	256
5:30 PM	0	0	0	0	2	0	12	0	8	115	0	0	0	105	6	0	248
5:45 PM	0	0	0	0	3	0	5	0	6	106	0	2	0	120	3	0	245
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	38	0	101	0	89	1469	0	3	0	1337	57	0	3094
APPROACH %'s :					27.34%	0.00%	72.66%	0.00%	5.70%	94.11%	0.00%	0.19%	0.00%	95.91%	4.09%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	14	0	36	0	31	498	0	1	0	460	31	0	1071
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.583	0.000	0.750	0.000	0.646	0.950	0.000	0.250	0.000	0.810	0.705	0.000	0.923
							0.833				0.981				0.802		

City Of Los Angeles
Department Of Transportation

MANUAL TRAFFIC COUNT SUMMARY

STREET:
North/South Normandie Ave

East/West Pacific Coast Hwy

Day: Tuesday Date: 02/11/2020 Weather: SUNNY

Hours: 7-10 & 3-6 Chekrs: NDS

School Day: Yes I/S CODE

	N/B	S/B	E/B	W/B
DUAL-WHEELED	50	52	183	195
BIKES	16	14	13	14
BUSES	62	26	74	66

	N/B	TIME	S/B	TIME	E/B	TIME	W/B	TIME
AM PK 15 MIN	186	8.00	146	7.15	462	7.45	494	7.30
PM PK 15 MIN	192	17.00	182	17.00	501	16.15	439	17.45
AM PK HOUR	613	7.30	554	7.15	1809	7.15	1910	7.15
PM PK HOUR	689	15.30	680	17.00	1782	15.30	1627	17.00

NORTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	132	294	48	474
8-9	124	328	81	533
9-10	120	218	84	422
15-16	144	356	147	647
16-17	140	352	193	685
17-18	151	302	174	627
TOTAL	811	1850	727	3388

SOUTHBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	137	264	123	524
8-9	133	228	104	465
9-10	120	192	86	398
15-16	162	247	138	547
16-17	152	273	136	561
17-18	175	322	183	680
TOTAL	879	1526	770	3175

TOTAL	**XING S/L**		**XING N/L**	
N-S	Ped	Sch	Ped	Sch
998	16	7	25	20
998	16	5	13	9
820	16	6	15	10
1194	36	14	16	4
1246	25	3	15	7
1307	19	7	19	11
6563	128	42	103	61

EASTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	172	1451	104	1727
8-9	144	1356	115	1615
9-10	103	1163	81	1347
15-16	148	1472	106	1726
16-17	121	1521	105	1747
17-18	143	1472	87	1702
TOTAL	831	8435	598	9864

WESTBOUND Approach

Hours	Lt	Th	Rt	Total
7-8	129	1579	144	1852
8-9	200	1494	103	1797
9-10	139	1347	85	1571
15-16	127	1290	96	1513
16-17	95	1248	112	1455
17-18	111	1411	105	1627
TOTAL	801	8369	645	9815

TOTAL	**XING W/L**		**XING E/L**	
E-W	Ped	Sch	Ped	Sch
3579	23	10	24	17
3412	25	6	19	16
2918	24	4	14	8
3239	23	6	36	17
3202	13	3	30	16
3329	24	7	32	15
19679	132	36	155	89

Prepared by National Data & Surveying Services

Normandie Ave & Pacific Coast Hwy

Peak Hour Turning Movement Count

ID: Historical
City: Los Angeles

Day: Tuesday
Date: 02/11/2020

PEAK HOURS

AM	07:15 AM - 08:15 AM
NOON	NONE
PM	04:45 PM - 05:45 PM

COUNT PERIODS

AM	07:00 AM - 10:00 AM
NOON	NONE
PM	03:00 PM - 06:00 PM

Normandie Ave — SOUTHBOUND

AM	130	273	151	0	703	AM
NOON	0	0	0	0	0	NOON
PM	190	303	178	0	572	PM
	0	2	1	0		

EASTBOUND — Pacific Coast Hwy

AM	NOON	PM	
1888	0	1703	
0	0	0	0
184	0	137	1
1505	0	1504	3
120	0	95	0
AM	NOON	PM	

WESTBOUND — Pacific Coast Hwy

PM	NOON	AM	
107	0	148	0
1360	0	1605	3
99	0	157	1
0	0	0	0
1866	0	1719	
PM	NOON	AM	

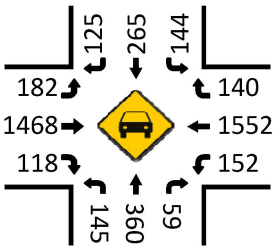
CONTROL: Signalized

TEV	4860 AM	0 NOON	4638 PM
PHF	0.98		0.97

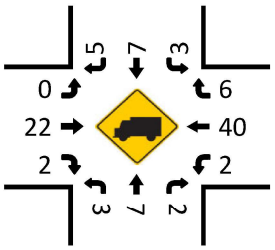
Normandie Ave — NORTHBOUND

PM	497	0	153	328	184	PM
NOON	0	0	0	0	0	NOON
AM	550	0	153	371	63	AM
		0	1	2	0	

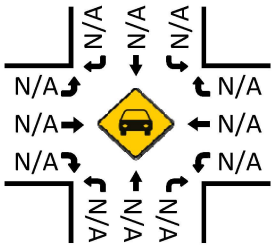
Cars (AM)



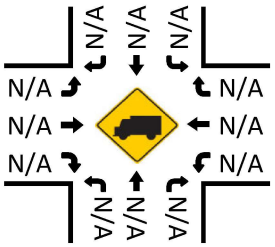
HT (AM)



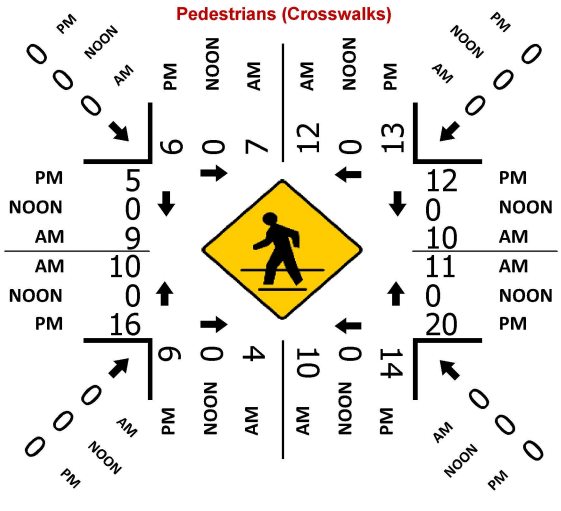
Cars (NOON)



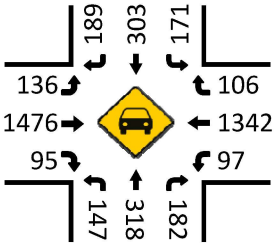
HT (NOON)



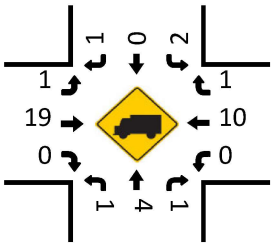
Pedestrians (Crosswalks)



Cars (PM)



HT (PM)



National Data & Surveying Services

Intersection Turning Movement Count

Location: Normandie Ave & Pacific Coast Hwy
City: Los Angeles
Control: Signalized

Project ID: Historical
Date: 2/11/2020

Total

NS/EW Streets:	Normandie Ave				Normandie Ave				Pacific Coast Hwy				Pacific Coast Hwy				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	24	40	9	0	21	49	18	0	35	326	17	0	22	366	28	0	955
7:15 AM	32	78	8	0	37	73	36	0	42	357	27	0	33	408	30	0	1161
7:30 AM	43	84	13	0	31	79	35	0	43	388	30	0	35	418	41	0	1240
7:45 AM	33	92	18	0	48	63	34	0	52	380	30	0	39	387	45	0	1221
8:00 AM	45	117	24	0	35	58	25	0	47	380	33	0	50	392	32	0	1238
8:15 AM	31	82	31	0	37	71	28	0	34	323	28	0	54	382	24	0	1125
8:30 AM	28	65	15	0	27	44	25	0	32	318	29	0	44	375	24	0	1026
8:45 AM	20	64	11	0	34	55	26	0	31	335	25	0	52	345	23	0	1021
9:00 AM	35	46	20	0	35	40	28	0	36	314	13	0	34	321	24	0	946
9:15 AM	25	50	19	0	34	51	19	0	31	316	23	0	37	346	20	0	971
9:30 AM	23	46	20	0	26	61	14	0	24	284	18	0	37	330	20	0	903
9:45 AM	37	76	25	0	25	40	25	0	12	249	27	0	31	350	21	0	918
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	376	840	213	0	390	684	313	0	419	3970	300	0	468	4420	332	0	12725
APPROACH %'s :	26.31%	58.78%	14.91%	0.00%	28.12%	49.32%	22.57%	0.00%	8.94%	84.67%	6.40%	0.00%	8.97%	84.67%	6.36%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	153	371	63	0	151	273	130	0	184	1505	120	0	157	1605	148	0	4860
PEAK HR FACTOR :	0.850	0.793	0.656	0.000	0.786	0.864	0.903	0.000	0.885	0.970	0.909	0.000	0.785	0.960	0.822	0.000	0.980
		0.789				0.949				0.979				0.967			

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
	1	2	0	0	1	2	0	0	1	3	0	0	1	3	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
3:00 PM	27	89	33	0	39	53	34	0	36	343	23	0	38	306	19	0	1040
3:15 PM	39	97	32	0	40	68	22	0	42	394	30	0	34	283	22	0	1103
3:30 PM	50	85	44	0	40	73	36	0	44	339	20	0	28	320	31	0	1110
3:45 PM	28	85	38	0	43	53	46	0	26	396	33	0	27	381	24	0	1180
4:00 PM	38	92	60	0	36	54	27	0	28	377	18	0	26	286	17	0	1059
4:15 PM	43	87	39	0	38	60	20	0	30	431	40	0	25	324	37	0	1174
4:30 PM	33	89	44	0	38	83	42	0	28	331	19	0	24	308	30	0	1069
4:45 PM	26	84	50	0	40	76	47	0	35	382	28	0	20	330	28	0	1146
5:00 PM	39	97	56	0	46	86	50	0	28	353	18	0	32	361	26	0	1192
5:15 PM	41	80	35	0	44	74	49	0	38	396	25	0	25	310	24	0	1141
5:30 PM	47	67	43	0	48	67	44	0	36	373	24	0	22	359	29	0	1159
5:45 PM	24	58	40	0	37	95	40	0	41	350	20	0	32	381	26	0	1144
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	435	1010	514	0	489	842	457	0	412	4465	298	0	333	3949	313	0	13517
APPROACH %'s :	22.21%	51.56%	26.24%	0.00%	27.35%	47.09%	25.56%	0.00%	7.96%	86.28%	5.76%	0.00%	7.25%	85.94%	6.81%	0.00%	
PEAK HR :	04:45 PM - 05:45 PM																TOTAL
PEAK HR VOL :	153	328	184	0	178	303	190	0	137	1504	95	0	99	1360	107	0	4638
PEAK HR FACTOR :	0.814	0.845	0.821	0.000	0.927	0.881	0.950	0.000	0.901	0.949	0.848	0.000	0.773	0.942	0.922	0.000	0.973
		0.866				0.922				0.946				0.934			

APPENDIX D

DETAILED PLANS, PROGRAMS, ORDINANCES, AND POLICIES REVIEW

Plans, Policies and Programs Consistency Worksheet

The worksheet provides a structured approach to evaluate the threshold T-1 question below, that asks whether a project conflicts with a program, plan, ordinance or policy addressing the circulation system. The intention of the worksheet is to streamline the project review by highlighting the most relevant plans, policies and programs when assessing potential impacts to the City's circulation system.

> Threshold T-1: Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadways, bicycle, and pedestrian facilities?

This worksheet does not include an exhaustive list of City policies, and does not include community plans, specific plans, or any area-specific regulatory overlays. The Department of City Planning project planner will need to be consulted to determine if the project would obstruct the City from carrying out a policy or program in a community plan, specific plan, streetscape plan, or regulatory overlay that was adopted to support multimodal transportation options or public safety. LADOT staff should be consulted if a project would lead to a conflict with a mobility investment in the Public Right of Way (PROW) that is currently undergoing planning, design, or delivery. This worksheet must be completed for all projects that meet the Section I. Screening Criteria. For description of the relevant planning documents, **see Attachment D.1.**

For any response to the following questions that checks the box in bold text ((i.e. ☐ Yes or ☐ No), further analysis is needed to demonstrate that the project does not conflict with a plan, policy, or program.

I. SCREENING CRITERIA FOR POLICY ANALYSIS

If the answer is 'yes' to any of the following questions, further analysis will be required:

Does the project require a discretionary action that requires the decision maker to find that the project would substantially conform to the purpose, intent and provisions of the General Plan?

☒ Yes ☐ No

Is the project known to directly conflict with a transportation plan, policy, or program adopted to support multimodal transportation options or public safety?

☐ Yes ☒ No

Is the project required to or proposing to make any voluntary modifications to the public right-of-way (i.e., dedications and/or improvements in the right-of-way, reconfigurations of curb line, etc.)?

☒ Yes ☐ No

II. PLAN CONSISTENCY ANALYSIS

A. Mobility Plan 2035 PROW Classification Standards for Dedications and Improvements

These questions address potential conflict with:

Mobility Plan 2035 Policy 2.1 *– Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.*

Mobility Plan 2035 Policy 2.3 *– Pedestrian Infrastructure. Recognize walking as a component of every trip, and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.*

Mobility Plan 2035 Policy 3.2 – *People with Disabilities. Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.*

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

A.1 Does the project include additions or new construction along a street designated as a Boulevard I, and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone? [x] Yes [ ] No

A.2 If **A.1 is yes**, is the project required to make additional dedications or improvements to the Public Right of Way as demonstrated by the street designation. [x] Yes [ ] No [ ] N/A

A.3 If **A.2 is yes**, is the project making the dedications and improvements as necessary to meet the designated dimensions of the fronting street (Boulevard I, and II, or Avenue I, II, or III)?

[x] Yes [ ] No [ ] N/A

If the answer is to **A.1 or A.2 is NO, or to A.1, A.2 and A.3. is YES**, then the project does not conflict with the dedication and improvement requirements that are needed to comply with the Mobility Plan 2035 Street Designations and Standard Roadway Dimensions.

A.4 If the answer to **A.3. is NO**, is the project applicant asking to waive from the dedication standards?

[ ] **Yes** [ ] **No** [x] N/A

Lists any streets subject to dedications or voluntary dedications and include existing roadway and sidewalk widths, required roadway and sidewalk widths, and proposed roadway and sidewalk width or waivers.

Frontage 1 Existing PROW'/Curb' : Existing Varies/Varies Required 55'/40' Proposed 55'/40'
Pacific Coast Highway (Boulevard II)

Frontage 2 Existing PROW'/Curb' : Existing 25'/18' Required 30'/18' Proposed 30'/18'
Frampton Avenue (Local Street - Standard)

Frontage 3 Existing PROW'/Curb' : Existing 20'/Varies Required 30'/18'* Proposed 30'/18'*
259th Street (Local Street - Standard)

Frontage 4 Existing PROW'/Curb' : Existing _____ Required _____ Proposed _____

*Per discussions with BOE, new ROW dedication for new cul-de-sac construction will be required. All dedications and other improvements will be made in accordance with BOE and LADOT requirements.

If the answer to **A.4 is NO**, the project is inconsistent with Mobility Plan 2035 street designations and must file for a waiver of street dedication and improvement.

If the answer to **A.4 is YES**, additional analysis is necessary to determine if the dedication and/or improvements are necessary to meet the City's mobility needs for the next 20 years. The following factors may contribute to determine if the dedication or improvement is necessary:

Is the project site along any of the following networks identified in the City's Mobility Plan?

- Transit Enhanced Network
- Bicycle Enhanced Network
- Bicycle Lane Network
- Pedestrian Enhanced District
- Neighborhood Enhanced Network

To see the location of the above networks, see **Transportation Assessment Support Map**.[1]

Is the project within the service area of Metro Bike Share, or is there demonstrated demand for micro-mobility services?

If the project dedications and improvements asking to be waived are necessary to meet the City's mobility needs, the project may be found to conflict with a plan that is adopted to protect the environment.

B. Mobility Plan 2035 PROW Policy Alignment with Project-Initiated Changes

B.1 Project-Initiated Changes to the PROW Dimensions

These questions address potential conflict with:

Mobility Plan 2035 Policy 2.1 *– Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.*

Mobility Plan 2035 Policy 2.3 *– Pedestrian Infrastructure. Recognize walking as a component of every trip, and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.*

Mobility Plan 2035 Policy 3.2 – *People with Disabilities. Accommodate the needs of people with disabilities when modifying or installing infrastructure in the public right-of-way.*

Mobility Plan 2035 Policy 2.10 *– Loading Areas. Facilitate the provision of adequate on and off-site street loading areas.*

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

[1] LADOT Transportation Assessment Support Map https://arcg.is/fubbD

B.1 Does the project physically modify the curb placement or turning radius and/or physically alter the sidewalk and parkways space that changes how people access a property?

Examples of physical changes to the public right-of-way include:

- widening the roadway,
- narrowing the sidewalk,
- adding space for vehicle turn outs or loading areas,
- removing bicycle lanes, bike share stations, or bicycle parking
- modifying existing bus stop, transit shelter, or other street furniture
- paving, narrowing, shifting or removing an existing parkway or tree well

☐ **Yes** ☒ No

B.2 Driveway Access

These questions address potential conflict with:

Mobility Plan 2035 Policy 2.10 *– Loading Areas. Facilitate the provision of adequate on and off-site street loading areas.*

Mobility Plan 2035 Program PL.1. Driveway Access. *Require driveway access to buildings from non-arterial streets or alleys (where feasible) in order to minimize interference with pedestrian access and vehicular movement.*

Citywide Design Guidelines - Guideline 2*: Carefully incorporate vehicular access such that it does not degrade the pedestrian experience.*

Site Planning Best Practices:

- *Prioritize pedestrian access first and automobile access second. Orient parking and driveways toward the rear or side of buildings and away from the public right-of-way. On corner lots, parking should be oriented as far from the corner as possible.*
- *Minimize both the number of driveway entrances and overall driveway widths.*
- *Do not locate drop-off/pick-up areas between principal building entrances and the adjoining sidewalks.*
- *Orient vehicular access as far from street intersections as possible.*
- *Place drive-thru elements away from intersections and avoid placing them so that they create a barrier between the sidewalk and building entrance(s).*
- *Ensure that loading areas do not interfere with on-site pedestrian and vehicular circulation by separating loading areas and larger commercial vehicles from areas that are used for public parking and public entrances.*

B.2 Does the project add new driveways along a street designated as an Avenue or a Boulevard that conflict with LADOT's Driveway Design Guidelines (See Sec. 321 in the Manual of Policies and Procedures) by any of the following:

- locating new driveways for residential properties on an Avenue or Boulevard, and access is otherwise possible using an alley or a collector/local street, or
- locating new driveways for industrial or commercial properties on an Avenue or Boulevard and access is possible along a collector/local street, or

- the total number of new driveways exceeds 1 driveway per every 200 feet[2] along on the Avenue or Boulevard frontage, or
- locating new driveways on an Avenue or Boulevard within 150 feet from the intersecting street, or
- locating new driveways on a collector or local street within 75 feet from the intersecting street, or
- locating new driveways near mid-block crosswalks, requiring relocation of the mid-block crosswalk

☐ **Yes** ☒ No

If the answer to **B.1 and B.2 are both NO**, then the project would not conflict with a plan or policies that govern the PROW as a result of the project-initiated changes to the PROW.

Impact Analysis

If the answer to either **B.1 or B.2 are YES**, City plans and policies should be reviewed in light of the proposed physical changes to determine if the City would be obstructed from carrying out the plans and policies. The analysis should pay special consideration to substantial changes to the Public Right of Way that may either degrade existing facilities for people walking and bicycling (e.g., removing a bicycle lane), or preclude the City from completing complete street infrastructure as identified in the Mobility Plan 2035, especially if the physical changes are along streets that are on the High Injury Network (HIN). The analysis should also consider if the project is in a Transit Oriented Community (TOC) area, and would degrade or inhibit trips made by biking, walking and/ or transit ridership. The streets that need special consideration are those that are included on the following networks identified in the Mobility Plan 2035, or the HIN:

- Transit Enhanced Network
- Bicycle Enhanced Network
- Bicycle Lane Network
- Pedestrian Enhanced District
- Neighborhood Enhanced Network
- High Injury Network

To see the location of the above networks, see **Transportation Assessment Support Map**.[3]

Once the project is reviewed relevant to plans and policies, and existing facilities that may be impacted by the project, the analysis will need to answer the following two questions in concluding if there is an impact due to plan inconsistency.

B.2.1 Would the physical changes in the public right of way or new driveways that conflict with LADOT's Driveway Design Guidelines degrade the experience of vulnerable roadway users such as modify, remove, or otherwise negatively impact existing bicycle, transit, and/or pedestrian infrastructure?

☐ **Yes** ☐ No ☒ N/A

[2] for a project frontage that exceeds 400 feet along an Avenue or Boulevard, the incremental additional driveway above 2 is more than 1 driveway for every 400 additional feet.

[3] LADOT Transportation Assessment Support Map https://arcg.is/fubbD

B.2.2 Would the physical modifications or new driveways that conflict with LADOT's Driveway Design Guidelines preclude the City from advancing the safety of vulnerable roadway users?

☐ **Yes** ☐ No ☒ N/A

If either of the answers to either **B.2.1 or B.2.2 are YES**, the project may conflict with the Mobility Plan 2035, and therefore conflict with a plan that is adopted to protect the environment. If either of the answers to both **B.2.1. or B.2.2. are NO**, then the project would not be shown to conflict with plans or policies that govern the Public Right-of-Way.

C. Network Access

C. 1 Alley, Street and Stairway Access

These questions address potential conflict with:

Mobility Plan Policy 3.9 *Increased Network Access: Discourage the vacation of public rights-of-way.*

C.1.1 Does the project propose to vacate or otherwise restrict public access to a street, alley, or public stairway?

☐ Yes ☒ No

C.1.2 If the answer to C.1.1 is Yes, will the project provide or maintain public access to people walking and biking on the street, alley or stairway?

☐ Yes ☐ **No** ☒ N/A

C.2 New Cul-de-sacs

These questions address potential conflict with:

Mobility Plan 2035 Policy 3.10 *Cul-de-sacs: Discourage the use of cul-de-sacs that do not provide access for active transportation options.*

C.2.1 Does the project create a cul-de-sac or is the project located adjacent to an existing cul-de-sac?

☒ Yes ☐ No

C.2.2 If yes, will the cul-de-sac maintain convenient and direct public access to people walking and biking to the adjoining street network?

☒ Yes ☐ **No** ☐ N/A

If the answers to either C.1.2 or C.2.2 are YES, then the project would not conflict with a plan or policies that ensures access for all modes of travel. If the answer to either **C.1.2 or C.2.2 are NO**, the project may conflict with a plan or policies that governs multimodal access to a property. Further analysis must assess to the degree that pedestrians and bicyclists have sufficient public access to the transportation network.

D. Parking Supply and Transportation Demand Management

These questions address potential conflict with:

Mobility Plan 2035 Policy 3.8 *– Bicycle Parking, Provide bicyclists with convenient, secure and well maintained bicycle parking facilities.*

Mobility Plan 2035 Policy 4.8 – *Transportation Demand Management Strategies. Encourage greater utilization of Transportation Demand Management Strategies to reduce dependence on single-occupancy vehicles.*

Mobility Plan 2035 Policy 4.13 *– Parking and Land Use Management: Balance on-street and off-street parking supply with other transportation and land use objectives.*

D.1 Would the project propose a supply of onsite parking that exceeds the baseline amount[4] as required in the Los Angeles Municipal Code or a Specific plan, whichever requirement prevails?

☐ Yes ☒ No

D.2 If the answer to D.1. is YES, would the project propose to actively manage the demand of parking by independently pricing the supply to all users (e.g. parking cash-out), or for residential properties, unbundle the supply from the lease or sale of residential units?

☐ Yes ☐ **No** ☒ N/A

If the answer to **D.2. is NO** the project may conflict with parking management policies. Further analysis is needed to demonstrate how the supply of parking above city requirements will not result in additional (induced) drive-alone trips as compared to an alternative that provided no more parking than the baseline required by the LAMC or Specific Plan. If there is potential for the supply of parking to result in induced demand for drive-alone trips, the project should further explore transportation demand management (TDM) measures to further off-set the induced demands of driving and vehicle miles travelled (VMT) that may result from higher amounts of on-site parking. The TDM measures should specifically focus on strategies that encourage dynamic and context-sensitive pricing solutions and ensure the parking is efficiently allocated, such as providing real time information. Research has demonstrated that charging a user cost for parking or providing a 'cash-out' option in return for not using it is the most effective strategy to reduce the instances of drive-alone trips and increase non-auto mode share to further reduce VMT. To ensure the parking is efficiently managed and reduce the need to build parking for future uses, further strategies should include sharing parking with other properties and/or the general public.

D.3. Would the project provide the minimum on and off-site bicycle parking spaces as required by Section 12.21 A.16 of the LAMC?

☒ Yes ☐ **No**

[4] The baseline parking is defined here as the default parking requirements in section 12.21 A.4 of the Los Angeles Municipal Code or any applicable Specific Plan, whichever prevails, for each applicable use not taking into consideration other parking incentives to reduce the amount of required parking.

D.4. Does the Project include more than 25,000 square feet of gross floor area construction of new non-residential gross floor?

☐ Yes ☒ No

D.5 If the answer to D.4. is YES, does the project comply with the City's TDM Ordinance in Section 12.26 J of the LAMC?

☐ Yes ☐ **No** ☒ N/A

If the answer to **D.3. or D.5. is NO** the project conflicts with LAMC code requirements of bicycle parking and TDM measures. If the project includes uses that require bicycle parking (Section 12.21 A.16) or TDM (Section 12.26 J), and the project does not comply with those Sections of the LAMC, further analysis is required to ensure that the project supports the intent of the two LAMC sections. To meet the intent of bicycle parking requirements, the analysis should identify how the project commits to providing safe access to those traveling by bicycle and accommodates storing their bicycle in locations that demonstrates priority over vehicle access.

Similarly, to meet the intent of the TDM requirements of Section 12.26 J of the LAMC, the analysis should identify how the project commits to providing effective strategies in either physical facilities or programs that encourage non-drive alone trips to and from the project site and changes in work schedule that move trips out of the peak period or eliminate them altogether (as in the case in telecommuting or compressed work weeks).

E. Consistency with Regional Plans

This section addresses potential inconsistencies with greenhouse gas (GHG) reduction targets forecasted in the Southern California Association of Governments (SCAG) Regional Transportation Plan (RTP) / Sustainable Communities Strategy (SCS).

E.1 Does the Project or Plan apply one the City's efficiency-based impact thresholds (i.e. VMT per capita, VMT per employee, or VMT per service population) as discussed in Section 2.2.3 of the TAG?

☒ Yes ☐ No

E.2 If the Answer to E.1 is YES, does the Project or Plan result in a significant VMT impact?

☐ Yes ☒ No ☐ N/A

E.3 If the Answer to E.1 is NO, does the Project result in a net increase in VMT?

☐ Yes ☐ No ☒ N/A

If the Answer to E.2 or E.3 is NO, then the Project or Plan is shown to align with the long-term VMT and GHG reduction goals of SCAG's RTP/SCS.

E.4 If the Answer to E.2 or E.3 is YES, then further evaluation would be necessary to determine whether such a project or land use plan would be shown to be consistent with VMT and GHG reduction goals of the SCAG RTP/SCS. For the purpose of making a finding that a project is consistent with the GHG reduction targets forecasted in the SCAG RTP/SCS, the project analyst should consult Section 2.2.4 of the Transportation Assessment Guidelines (TAG). Section 2.2.4 provides the methodology for evaluating a land use project's cumulative impacts to VMT, and the appropriate reliance on SCAG's most recently adopted RTP/SCS in reaching that conclusion.

The analysis methods therein can further support findings that the project is consistent with the general use designation, density, building intensity, and applicable policies specified for the project area in either a sustainable communities strategy or an alternative planning strategy for which the State Air Resources Board, pursuant to Section 65080(b)(2)(H) of the Government Code, has accepted a metropolitan planning organization's determination that the sustainable communities strategy or the alternative planning strategy would, if implemented, achieve the greenhouse gas emission reduction targets.

References

BOE Street Standard Dimensions S-470-1 http://eng2.lacity.org/techdocs/stdplans/s-400/S-470-1_20151021_150849.pdf

LADCP Citywide Design Guidelines. https://planning.lacity.org/odocument/f6608be7-d5fe-4187-bea6-20618eec5049/Citywide_Design_Guidelines.pdf

LADOT Transportation Assessment Support Map https://arcg.is/fubbD

Mobility Plan 2035 https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/Mobility_Plan_2035.pdf

SCAG. Connect SoCal, 2020-2045 RTP/SCS, https://www.connectsocal.org/Pages/default.aspx

ATTACHMENT D.1: CITY PLAN, POLICIES AND GUIDELINES

The Transportation Element of the City's General Plan, Mobility Plan 2035, established the "Complete Streets Design Guide" as the City's document to guide the operations and design of streets and other public rights-of-way. It lays out a vision for designing safer, more vibrant streets that are accessible to people, no matter what their mode choice. As a living document, it is intended to be frequently updated as City departments identify and implement street standards and experiment with different configurations to promote complete streets. The guide is meant to be a toolkit that provides numerous examples of what is possible in the public right-of-way and that provides guidance on context-sensitive design.

The Plan for A Healthy Los Angeles (March 2015) includes policies directing several City departments to develop plans that promote active transportation and safety.

The City of Los Angeles Community Plans, which make up the Land Use Element of the City's General Plan, guide the physical development of neighborhoods by establishing the goals and policies for land use. The 35 Community Plans provide specific, neighborhood-level detail for land uses and the transportation network, relevant policies, and implementation strategies necessary to achieve General Plan and community-specific objectives.

The stated goal of Vision Zero is to eliminate traffic-related deaths in Los Angeles by 2025 through a number of strategies, including modifying the design of streets to increase the safety of vulnerable road users. Extensive crash data analysis is conducted on an ongoing basis to prioritize intersections and corridors for implementation of projects that will have the greatest effect on overall fatality reduction. The City designs and deploys Vision Zero Corridor Plans as part of the implementation of Vision Zero. If a project is proposed whose site lies on the High Injury Network (HIN), the applicant should consult with LADOT to inform the project's site plan and to determine appropriate improvements, whether by funding their implementation in full or by making a contribution toward their implementation.

The Citywide Design Guidelines (October 24, 2019) includes sections relevant to development projects where improvements are proposed within the public realm. Specifically, Guidelines one through three provide building design strategies that support the pedestrian experience. The Guidelines provide best practices in designing that apply in three spatial categories of site planning, building design and public right of way. The Guidelines should be followed to ensure that the project design supports pedestrian safety, access and comfort as they access to and from the building and the immediate public right of way.

The City's Transportation Demand Management (TDM) Ordinance (LA Municipal Code 12.26.J) requires certain projects to incorporate strategies that reduce drive-alone vehicle trips and improve access to destinations and services. The ordinance is revised and updated periodically and should be reviewed for application to specific projects as they are reviewed.

The City's LAMC Section 12.37 (Waivers of Dedication and Improvement) requires certain projects to dedicate and/or implement improvements within the public right-of-way to meet the street designation standards of the Mobility Plan 2035.

The Bureau of Engineering (BOE) Street Standard Dimensions S-470-1 provides the specific street widths and public right of way dimensions associated with the City's street standards.

Detailed Responses in Support of General Consistency with Transportation-Related Plans, Programs, Ordinances, or Policies (Adapted from Attachment D in *LADOT Transportation Assessment Guidelines*, July 2020)

The items below correspond with the TAG Attachment D: Plan, Policy, and Program Consistency Worksheet. Defined terms below have the same meanings as in the Transportation Assessment.

A. MOBILITY PLAN 2035 (MP 2035) PROW CLASSIFICATION STANDARDS FOR DEDICATIONS AND IMPROVEMENTS

The Project does include additions or new construction along a street designated as a Boulevard I and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone. The Project proposes new construction along Pacific Coast Highway, which is designated as a Boulevard II under the Mobility Plan 2035 Street Standards Plan. Additionally, the Project proposes new construction along Frampton Avenue and 259th Street, which are both designated as a Local Street – Standard under the Mobility Plan 2035 Street Standards Plan. The Project Site is zoned [Q]C2-1VL and [Q]CM-1VL per the LAMC. A two-foot right-of-way dedication requirement and a three-foot roadway widening with a new 15-foot sidewalk improvement is required for Pacific Coast Highway along the Project Site. A five-foot right-of-way dedication requirement and a new five-foot sidewalk improvement is required for Frampton Avenue along the Project Site. A ten-foot right-of-way dedication and a varying street widening improvement to achieve an 18-foot half street width and new 12-foot sidewalk is required for 259th Street along the Project Site. All dedications and improvements will be confirmed with the City's Bureau of Engineering (BOE). Along the Project Site, Pacific Coast Highway is included within the Bicycle Lane Network (BLN) and as a Pedestrian Enhanced District (PED) within the Mobility Plan 2035. The Project will not alter adjacent streets or the right-of-way in a manner that would preclude or conflict future changes by various City Departments. Therefore, the Project does not conflict with any dedication and improvement requirements that are needed to comply with the Mobility Plan 2035 Street Designation and Standard Roadway Dimensions requirements.

Mobility Plan 2035 Policy 2.1 – Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.

- The Project is required to make dedications or improvements to the public right-of way. Specifically, a two-foot right-of-way dedication requirement and a three-foot roadway widening with a new 15-foot sidewalk improvement is required for Pacific Coast Highway along the Project Site. A five-foot right-of-way dedication requirement and a new five-foot sidewalk improvement is required for Frampton Avenue along the Project Site. A ten-foot right-of-way dedication and a varying street widening improvement to achieve an 18-foot half street width and new 12-foot sidewalk is required for 259th Street along the Project Site. All dedication and improvement requirements will be confirmed with BOE. The Project will not alter adjacent streets or the right-of-way in a manner that would preclude or conflict future changes by various City Departments.

Mobility Plan 2035 Policy 2.3 – Pedestrian Infrastructure. Recognize walking as a component of every trip and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.

- The Project will not alter pedestrian infrastructure or the right-of-way in a manner that would preclude or conflict future changes by various City Departments. The Project prioritizes pedestrian access and connectivity. Pedestrian access to the Project will be provided via entrances along Pacific Coast Highway, Frampton Avenue, and 259th Street. Separate pedestrian entrances will be provided for the residential and commercial components of the Project. The Project will improve the sidewalk along the Pacific Coast Highway property frontage and provide new sidewalks along the Frampton Avenue and 259th Street property frontages to enhance the pedestrian experience and ensure ADA compliance.

Mobility Plan 2035 Policy 3.2 – People with Disabilities. Accommodate the needs of people with disabilities when modifying of installing infrastructure within the public right-of-way.

- The Project will not alter existing ADA infrastructure or the right-of-way in a manner that would preclude or conflict with future changes by various City Departments. Pedestrian access from the public-right-of-way to the Project will be ADA compliant.

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

- The Project proposes new construction along a street designated as a Boulevard I and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone. Pacific Coast Highway is designated as a Boulevard II under the Mobility Plan 2035 Street Standards Plan. Both Frampton Avenue and 259th Street are designated as a Local Street – Standard under the Mobility Plan 2035 Street Standards Plan. The Project Site is zoned [Q]C2-1VL and [Q]CM-1VL per the LAMC.

Mobility Plan 2035 Networks

- The Project Site has frontage along the following networks in Mobility Plan 2035:
  - Bicycle Lane Network: Pacific Coast Highway
  - Pedestrian Enhanced District: Pacific Coast Highway (east of Frampton Avenue) and Normandie Avenue (See analysis of Mobility Plan 2035 Policy 2.3 above).

Mobility Plan 2035 Policy 2.6 – Bicycle Networks. Provide safe, convenient, and comfortable local and regional bicycling facilities for people of all types and abilities.

- Pacific Coast Highway has been designated within the City's BLN. Bicycle infrastructure is not currently provided on Pacific Coast Highway. The Project will not preclude or conflict with any potential improvements to Pacific Coast Highway as part of the BLN.

B. MOBILITY PLAN 2035 (MP 2035) PROW POLICY ALIGNMENT WITH PROJECT-INITIATED CHANGES

B.1. Project-Initiated Changes to the PROW Dimensions

The Project will not physically modify the curb placement or turning radius, nor does it physically alter the sidewalk and parkways space, in a manner that would change how people access the Project Site. The Project complies with the Mobility Plan 2035 policies outlined below.

Mobility Plan 2035 Policy 2.1 – Adaptive Reuse of Streets. Design, plan, and operate streets to serve multiple purposes and provide flexibility in design to adapt to future demands.

- The Project is required to make dedications or improvements to the public right-of way. Specifically, a two-foot right-of-way dedication requirement and a three-foot roadway widening with a new 15-foot sidewalk improvement is required for Pacific Coast Highway along the Project Site. A five-foot right-of-way dedication requirement and a new five-foot sidewalk improvement is required for Frampton Avenue along the Project Site. A ten-foot right-of-way dedication and a varying street widening improvement to achieve an 18-foot half street width and new 12-foot sidewalk is required for 259th Street along the Project Site. All dedication and improvement requirements will be confirmed with BOE. The Project will not alter adjacent streets or the right-of-way in a manner that would preclude or conflict future changes by various City Departments.

Mobility Plan 2035 Policy 2.3 – Pedestrian Infrastructure. Recognize walking as a component of every trip and ensure high quality pedestrian access in all site planning and public right-of-way modifications to provide a safe and comfortable walking environment.

- The Project will not alter pedestrian infrastructure or the right-of-way in a manner that would preclude or conflict future changes by various City Departments. The Project prioritizes pedestrian access and connectivity. Pedestrian access to the Project will be provided via entrances along Pacific Coast Highway, Frampton Avenue, and 259th Street. Separate pedestrian entrances will be provided for the residential and commercial components of the Project. The Project will improve the sidewalk along the Pacific Coast Highway property frontage and provide new sidewalks along the Frampton Avenue and 259th Street property frontages to enhance the pedestrian experience and ensure ADA compliance.

Mobility Plan 2035 Policy 3.2 – People with Disabilities. Accommodate the needs of people with disabilities when modifying of installing infrastructure within the public right-of-way.

- The Project will not alter existing ADA infrastructure or the right-of-way in a manner that would preclude or conflict future changes by various City Departments. Pedestrian access from the public-right-of-way to the Project will be ADA compliant.

Mobility Plan 2035 Policy 2.10 – Loading Areas. Facilitate the provision of on and off-site street loading areas.

- All loading activities will occur off-street and internal to the Project Site. Loading activities associated with service and delivery operations will occur within the designated loading space at the terminus of 259th Street. Loading activities associated with trash collection and waste management for the Project will occur within the at-grade level of the onsite parking garage. Access to the Project's trash/recycling areas will be provided via the Project driveway along the east side of Frampton Avenue.

Mobility Plan 2035 Street Designations and Standard Roadway Dimensions

- The Project proposes new construction along a street designated as a Boulevard I and II, and/or Avenue I, II, or III on property zoned for R3 or less restrictive zone. Pacific Coast Highway is designated as a Boulevard II under the Mobility Plan 2035 Street Standards Plan. Both Frampton Avenue and 259th Street are designated as a Local Street – Standard under the Mobility Plan 2035 Street Standards Plan. The Project Site is zoned [Q]C2-1VL and [Q]CM-1VL per the LAMC.

B.2. Driveway Access

The Project does not add new driveways along a street designated as an Avenue or a Boulevard, therefore, the Project does not conflict with LADOT Manual of Policy and Procedures (MPP), Section 321, Driveway Design. The Project Site does have frontage along Pacific Coast Highway, which is designated as a Boulevard II under the Mobility Plan 2035 Street Standards Plan. The Project will remove the existing curb cuts along the Project Site's Pacific Coast Highway frontage. Vehicular access to the Project Site be provided via one new driveway along the east side of Frampton Avenue. Additionally, a driveway providing access to a designated loading space at the terminus of 259th Street, at the southeasterly portion of the Project Site. It is noted that Frampton Avenue and 259th Street are both designated as a Local Street – Standard, under the Mobility Plan 2035 Street Standards Plan.

Mobility Plan 2035 Policy 2.10 – Loading Areas. Facilitate the provision of on and off-site street loading areas.

- All loading activities will occur off-street and internal to the Project Site. Loading activities associated with service and delivery operations will occur within the designated loading space at the terminus of 259th Street. Loading activities associated with trash

collection and waste management for the Project will occur within the at-grade level of the onsite parking garage. Access to the Project's trash/recycling areas will be provided via the Project driveway along the east side of Frampton Avenue.

Mobility Plan 2035 Program PL.1. Driveway Access. Require driveway access to buildings from non-arterial streets or alleys (where feasible) in order to minimize interference with pedestrian access and vehicular movement.

- The Project will remove the existing Frampton Avenue driveway and add a new driveway further south along the Project Site's Frampton Avenue frontage, away from the Pacific Coast Highway intersection. This driveway will serve as the vehicular access point to the Project. Additionally, the Project will remove the existing driveways along the Project Site's 259th Street frontage and add a driveway at the terminus of the 259th Street cul-de-sac, at the southeasterly portion of the Project Site. This driveway will provide access to the Project's loading zone. Upon completion of the Project, there will continue to be one driveway along the Project Site's Frampton Avenue frontage, the number of driveways along the Project Site's 259th Street frontage will be reduced from two to one, and the number of driveways along the Project Site's Pacific Coast Highway frontage will be reduced from two to zero. The Project has been designed to minimize interference with pedestrian access and vehicular movement.

Citywide Design Guidelines – Guideline 2. Carefully incorporate vehicular access such that it does not degrade the pedestrian experience, in accordance with the Site Planning Best Practices listed below.

- *Prioritize pedestrian access first and automobile access second. Orient parking and driveways toward the rear or side of buildings and away from the public right-of-way. On corner lots, parking should be oriented as far from the corner as possible.*

    - The Project prioritizes pedestrian access first. The Project will remove the existing Frampton Avenue driveway and add a new driveway further south along the Project Site's Frampton Avenue frontage, away from the Pacific Coast Highway intersection. This driveway will serve as the vehicular access point to the Project. Additionally, the Project will remove the existing driveways along the Project Site's 259th Street frontage and add a driveway at the terminus of the 259th Street cul-de-sac, at the southeasterly portion of the Project Site. This driveway will provide access to the Project's loading zone. Upon completion of the Project, there will continue to be one driveway along the Project Site's Frampton Avenue frontage, the number of driveways along the Project Site's 259th Street frontage will be reduced from two to one, and the number of driveways along the Project Site's Pacific Coast Highway frontage will be reduced from two to zero.

- *Minimize both the number of driveway entrances and overall driveway widths.*

    - There are currently five driveway entrances serving the existing Project Site. The number of driveway entrances will be reduced to two. As previously mentioned, primary vehicular access will be provided via the Frampton Avenue driveway. The driveway at the terminus of 259th Street will provide access to the Project's loading area.

- *Do not locate drop-off/pick-up areas between principal building entrances and the adjoining sidewalks.*

    - The Project does not propose any on-street drop-off/pick-up areas.

- *Orient vehicular access as far from street intersections as possible.*

    - The Project will shift the existing Frampton Avenue driveway further south, away from the Pacific Coast Highway intersection.

- *Place drive-through elements away from intersections and avoid placing them so that they create a barrier between the sidewalk and building entrance(s).*

    - The Project does not propose any drive-through elements.

- *Ensure that loading areas do not interfere with onsite pedestrian and vehicular circulation by separating loading areas and larger commercial vehicles from areas that are used for public parking and public entrances.*

    - All loading activities will occur off-street and internal to the Project Site. Loading activities associated with service and delivery operations will occur within the designated loading space at the terminus of 259th Street. Loading activities associated with trash collection and waste management for the Project will occur within the at-grade level of the onsite parking garage. Access to the Project's trash/recycling areas will be provided via the Project driveway along the east side of Frampton Avenue.

C. NETWORK ACCESS

C.1. Alley, Street and Stairway Access

The Project does not conflict with Mobility Plan 2035 policy below because it will not vacate or otherwise restrict public access to a street, alley or public stairway.

Mobility Plan 2035 Policy 3.9 – Increased Network Access. Discourage the vacation of public rights-of-way.

- The Project will not vacate any public rights-of-way.

C.2. New Cul-de-sacs

The Project is located adjacent to the existing 259th Street cul-de-sac. The Project does not conflict with the Mobility Plan 2035 policy below because it will provide access for active transportation options. The Project will make the required dedications and improvements to add sidewalks along the property's 259th Street cul-de-sac.

Mobility Plan 2035 Policy 3.10 – Cul-de-sacs. Discourage the use of cul-de-sacs that do not provide access for active transportation options.

- The Project will add sidewalks along the 259th Street property frontage and will provide access for all modes of transportation.

D. Parking Supply and Transportation Demand Management

The Project is consistent with the Mobility Plan 2035 polices below because it does not propose a supply of onsite parking that would exceed the baseline amount as required in the LAMC. Per the LAMC, the Project is required to provide 575 vehicular parking spaces. The Project will provide the LAMC-required 575 vehicular parking spaces within an onsite parking garage. The Project will also provide short-term and long-term bicycle parking per LAMC requirements.

The Project Applicant will comply with the City's existing transportation demand management (TDM) Ordinance in LAMC Section 12.26.J. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project. Therefore, the Project does not conflict the LAMC vehicle and bicycle parking requirements or the City's TDM measures.

Mobility Plan 2035 Policy 3.8 – Bicycle Parking. Provide bicyclists with convenient, secure, and well-maintained bicycle parking facilities.

- The Project is required to provide 19 short-term and 166 long-term bicycle parking spaces in accordance with LAMC. The Project will provide the LAMC-required number of short-term and long-term bicycle parking spaces.

Mobility Plan 2035 Policy 4.8 – Transportation Demand Management Strategies. Encourage greater utilization of Transportation Demand Management Strategies to reduce dependence on single-occupancy vehicles.

- As described in Section 2.9 of the Transportation Assessment, the Project will utilize one TDM strategy as Project Design Feature: Include Bike Parking per the LAMC. The Project Applicant will comply with existing applicable City ordinances (e.g., the City's existing TDM Ordinance, referred to in the LAMC Section 12.26.J) and the other requirements per the City's Municipal Code. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of

the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

Mobility Plan 2035 Policy 4.13 – Parking and Land Use Management. Balance on-street and off-street parking supply with other transportation and land use objectives.

- The Project will provide a total of 575 vehicular parking spaces within an onsite parking garage. Additionally, the Project will provide the LAMC-required number of short-term and long-term bicycle parking spaces. Moreover, the Project is located within convenient walking distance to public transit routes along Pacific Coast Highway and other nearby streets.

E. CONSISTENCY WITH REGIONAL PLANS

The Project applies two of the City's efficiency-based impact thresholds (i.e., VMT per Capita and VMT per Employee) as discussed in Section 4.2 of the Transportation Assessment. The Project's VMT analysis concludes that the Project will not result in a significant VMT impact. As the Project will not result in a significant VMT impact, the Project is shown to be consistent with the VMT and greenhouse gas (GHG) goals of the Southern California Association of Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS).

Additional Review

The following provides a review of the transportation-related goals listed in the Plan for a Healthy Los Angeles (Healthy LA).

- The Project supports the transportation-related goals listed in Healthy LA. The Project is designed in a manner that facilitates travel on foot between the Project Site and the nearby destinations along the Pacific Coast Highway corridor, as well as other nearby streets. Additionally, the Project will feature a street front commercial component, as well as direct connections to the Project Site from the Pacific Coast Highway, Frampton Avenue, 259th Street sidewalks. The Project will provide the LAMC-required number of bicycle parking spaces. The Project would not conflict with, limit or preclude the City's ability to implement programs and policies in furtherance of Healthy LA.

The following provides a review of relevant policies within the LADOT MPP.

- The LADOT MPP, Section 321, Driveway Design, includes driveway design standards to minimize adverse effects of on-street traffic. The Project Site has frontage along Pacific Coast Highway, which is designated as a Boulevard II under the Mobility Plan 2035 Street Standards Plan. Additionally, the Project Site has frontage along Frampton Avenue and 259th Street, which are both designated as a Local Street – Standard under the Mobility Plan 2035 Street Standards Plan. There are currently five driveways that provide vehicular access to the Project Site: two on the south side of Pacific Coast Highway, one on the east

side of Frampton Avenue, and two on the north side of 259th Street. The Project will remove the existing Pacific Coast Highway and 259th Street driveways, and relocate the Frampton Avenue driveway further south, away from Pacific Coast Highway intersection. Vehicular access to the Project Site will be provided via the relocated driveway along the east side of Frampton Avenue. Additionally, the Project will add a driveway at the end of the 259th Street cul-de-sac to provide access to the Project's proposed loading zone. For streets classified as a Collector or Local, MPP 321 states that driveways should not be placed within 75 feet of the adjacent street (for a project with frontage greater than 250 feet). The Project's driveway along Frampton Avenue is approximately 116 feet north of the 259th Street (west leg) intersection). The loading zone driveway at the end of the 259th Street (east leg) cul-de-sac is approximately 260 feet east of the Frampton Avenue intersection. The Project would not conflict with the LADOT MPP.

The following provides a review of Vision Zero.

- Vision Zero is a plan that strives to eliminate traffic-related deaths in Los Angeles by 2025 through strategies, such as modifying streets to better serve vulnerable road users. Projects located in the HIN should make improvements or fund them. The Project Site's Pacific Coast Highway frontage is included within the HIN. The Project would not preclude or conflict with the implementation of future Vision Zero projects in the public right-of-way along Pacific Coast Highway or other roadways within the immediate vicinity of the Project Site.

The following provides a review of the Mobility Hubs Reader's Guide.

- The Mobility Hubs Reader's Guide specifically focuses on enhancing bicycle connections, providing vehicle sharing services, improving bus infrastructure, providing real-time transit and wayfinding information, and enhancing walkability and pedestrian connections. The Project would incorporate several components, including LAMC-required short-term and long-term bicycle parking that both facilitates and encourages residents, visitors, and employees to bicycle to and from the Project Site. The existing sidewalks along the Project Site's Pacific Coast Highway frontage would be improved and new sidewalks would be constructed along the Project Site's Frampton Avenue and 259th Street frontages as part of the Project. The Project would not conflict with the Mobility Hubs Reader's Guide.

The following provides a review of the City's Walkability Checklist.

- The Project would result in the retention and improvement of the sidewalks along the Project Site's Pacific Coast Highway frontage. Additionally, the Project would result in the construction of new sidewalks along the Project Site's Frampton Avenue and Pacific Coast Highway frontages. There are currently five driveways that provide vehicular access to the Project Site: two on the south side of Pacific Coast Highway, one on the east side of Frampton Avenue, and two on the north side of 259th Street. The Project will remove the existing Pacific Coast Highway and 259th Street driveways, and relocate the Frampton Avenue driveway further south, away from Pacific Coast Highway intersection. The

Project will add a driveway at the end of the 259th Street cul-de-sac to provide access to the Project's proposed loading zone. The construction and improvement of existing and new sidewalks along the Project Site as well as the removal of curb cuts, particularly along Pacific Coast Highway will facilitate a safe pedestrian connection between the Project Site and the nearby destinations along the Pacific Coast Highway corridor. These features support the Walkability Checklist recommendations and serve to enhance the pedestrian experience. The Project would not conflict with the Walkability Checklist.

The following provides a review of the transportation-related goals listed in the Wilmington-Harbor City Community Plan ("Community Plan"). The Community Plan was adopted in 1999. While an updated Community Plan is currently under development, the plan from 1999 is currently in effect and forms the basis for this review of potential conflicts relating to the transportation system.

From a transportation perspective, the Community Plan offers the following goals and objectives related to the Project.

Goal 11: Encourage alternative modes of transportation to reduce the use of single occupant vehicles (SOV) in order to reduce vehicular trips.

Objective 11-1: To pursue transportation management strategies that can maximize vehicle occupancy, minimize average trip length, and reduce the number of vehicle trips.

Policy 11-1.1: Encourage non-residential development to provide employee incentives for utilizing alternatives to the automobile (i.e., carpools, vanpools, buses, flex time, bicycles, and walking, etc.).

- As described in Section 2.9 of the Transportation Assessment, the Project will provide bicycle parking per the requirements of the LAMC. The Project is located within a HQTA and is within convenient walking distance to transit stops along the Pacific Coast Highway corridor. The Project Applicant will comply with existing applicable City ordinances (e.g., the City's existing TDM Ordinance, referred to in the LAMC Section 12.26.J) and the other requirements per the City's Municipal Code. It is noted that the City's TDM Ordinance is currently being updated. Although not yet adopted, the Project Applicant will comply with the terms of the proposed TDM Ordinance update, which is expected be completed prior to the anticipated construction of the Project.

Goal 13: A system of safe, efficient and attractive bicycle and pedestrian facilities.

Objective 13-1: To promote an adequate system of safe bikeways for commuter, school and recreational use.

Policy 13-1.4: Encourage the provision of changing rooms, showers, and bicycle storage at new and existing non-residential developments and public places.

- As described in Section 2.9 of the Transportation Assessment, the Project will provide bicycle parking per the requirements of the LAMC. The Project will make the required dedications and street widening improvements along Pacific Coast Highway, Frampton Avenue, and 259th Street. The Project will not preclude or conflict with any potential bicycle infrastructure improvements to Pacific Coast Highway, Frampton Avenue, or 259th Street.

Objective 13-2: To promote pedestrian-oriented access and routes that are safe, efficient and attractive for commuter, school, recreational use, economic activity, and access to transit facilities.

Policy 13-2.2: Require the installation of sidewalks with all new roadway construction and significant reconstruction of existing roadways.

- The Project will make the required dedications and street widening improvements along Pacific Coast Highway, Frampton Avenue, and 259th Street. The Project will improve the existing sidewalks along the Project Site's Pacific Coast Highway frontage and will construct new sidewalks along the Frampton Avenue and 259th Street frontages. These sidewalks provide access to transit facilities and other nearby destinations.

Goal 14: A sufficient system of well-designed and convenient on-street and off-street parking facilities throughout the Plan area.

Objective 14-1: To provide parking in appropriate locations on accord with Citywide standards and community needs.

Policy 14-1.1: Consolidate parking, where appropriate, to eliminate the number of ingress and egress points onto arterials.

Policy 14-1.2: New parking lots shall be developed in accordance with the design standards.

- The Project provide parking in accordance with the standards set forth by the LAMC. Vehicular access to the Project's parking garage will be provided via one driveway along the east side of Frampton Avenue. Furthermore, the Project will remove the existing driveways along the property's Pacific Coast Highway frontage. The Project's parking garage will be designed in accordance with City standards.

APPENDIX E

HCM AND LEVELS OF SERVICE EXPLANATION
HCM DATA WORKSHEETS – WEEKDAY AM AND PM PEAK HOURS

LEVEL OF SERVICE FOR SIGNALIZED INTERSECTIONS

In the *Highway Capacity Manual (HCM)*, published by the Transportation Research Board, 2010, level of service for signalized intersections is defined in terms of delay, which is a measure of driver discomfort, frustration, fuel consumption, and increased travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions: in the absence of traffic control, in the absence of geometric delay, in the absence of incidents, and when there are no other vehicles on the road. Only the portion of total delay attributed to the control facility is quantified. This delay is called *control delay*. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay.

Level of Service criteria for traffic signals are stated in terms of the average control delay per vehicle. Delay is a complex measure and is dependent on a number of variables, including the quality of progression, the cycle length, the green ratio, and the *v/c* ratio for the lane group in question.

Level of Service Criteria for Signalized Intersections

Level of Service	Control Delay (Sec/Veh)
A	≤ 10
B	> 10 and ≤ 20
C	> 20 and ≤ 35
D	> 35 and ≤ 55
E	> 55 and ≤ 80
F	> 80

Level of Service (LOS) values are used to describe intersection operations with service levels varying from LOS A (free flow) to LOS F (jammed condition). The following descriptions summarize *HCM* criteria for each level of service:

LOS A describes operations with very low control delay, up to 10 seconds per vehicle. This level of service occurs when progression is extremely favorable and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay values.

LOS B describes operations with control delay greater than 10 and up to 20 seconds per vehicle. This level generally occurs with good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay.

LOS C describes operations with control delay greater than 20 and up to 35 seconds per vehicle. These higher delays may result from fair progression, longer cycle lengths, or both. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level, though many still pass through the intersection without stopping.

LOS D describes operations with control delay greater than 35 and up to 55 seconds per vehicle. At LOS D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high *v/c* ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.

LOS E describes operations with control delay greater than 55 and up to 80 seconds per vehicle. This level is considered by many agencies to be the limit of acceptable delay. These high delay values generally indicate poor progression, long cycle lengths, and high *v/c* ratios. Individual cycle failures are frequent occurrences.

LOS F describes operations with control delay in excess of 80 seconds per vehicle. This level, considered to be unacceptable to most drivers, often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the lane groups. It may also occur at high *v/c* ratios with many individual cycle failures. Poor progression and long cycle lengths may also be major contributing factors to such delay levels.

LEVEL OF SERVICE FOR UNSIGNALIZED INTERSECTIONS

In the *Highway Capacity Manual (HCM)*, published by the Transportation Research Board, 2010, level of service for unsignalized intersections is defined in terms of delay, which is a measure of driver discomfort, frustration, fuel consumption, and lost travel time. The delay experienced by a motorist is made up of a number of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference travel time that would result during base conditions, in the absence of incidents, control, traffic, or geometric delay. Only the portion of total delay attributed to the traffic control measures, either traffic signals or stop signs, is quantified. This delay is called *control delay*. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay.

Level of Service criteria for unsignalized intersections are stated in terms of the average control delay per vehicle. The level of service is determined by the computed or measured control delay and is defined for each minor movement. Average control delay for any particular minor movement is a function of the service time for the approach and the degree of utilization. (Level of service is not defined for the intersection as a whole for two-way stop controlled intersections.)

Level of Service Criteria for TWSC/AWSC Intersections

Level of Service	Average Control Delay (Sec/Veh)
A	≤ 10
B	> 10 and ≤ 15
C	> 15 and ≤ 25
D	> 25 and ≤ 35
E	> 35 and ≤ 50
F	> 50

Level of Service (LOS) values are used to describe intersection operations with service levels varying from LOS A (free flow) to LOS F (jammed condition). The following descriptions summarize *HCM* criteria for each level of service:

LOS A describes operations with very low control delay, up to 10 seconds per vehicle.

LOS B describes operations with control delay greater than 10 and up to 15 seconds per vehicle.

LOS C describes operations with control delay greater than 15 and up to 25 seconds per vehicle.

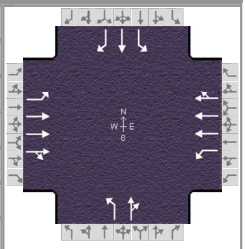
LOS D describes operations with control delay greater than 25 and up to 35 seconds per vehicle.

LOS E describes operations with control delay greater than 35 and up to 50 seconds per vehicle.

LOS F describes operations with control delay in excess of 50 seconds per vehicle. For two-way stop controlled intersections, LOS F exists when there are insufficient gaps of suitable size to allow side-street demand to safely cross through a major-street traffic stream. This level of service is generally evident from extremely long control delays experienced by side-street traffic and by queuing on the minor-street approaches.

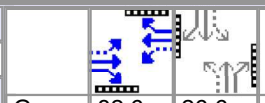
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	10/8/2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing - AM	PHF	0.92
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Belle Porte / PCH	File Name	01AM - Existing.xus		
Project Description	1280 PCH				

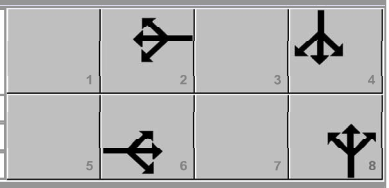


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	23	1321	16	35	1839	35	46	33	78	60	25	52

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	82.6	26.6	0.0	0.0	0.0	0.0
Yellow	4.1	4.1	0.0	0.0	0.0	0.0
Red	1.3	1.3	0.0	0.0	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.2		4.2
Queue Clearance Time (g_s), s						9.2		14.5
Green Extension Time (g_e), s		0.0		0.0		1.0		0.9
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.02

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	25	971	482	38	1362	675	50	121		65	27	57
Adjusted Saturation Flow Rate (*s*), veh/h/ln	211	1900	1888	372	1900	1881	1405	1687		1291	1900	1610
Queue Service Time (g_s), s	7.8	12.8	12.8	5.7	20.9	20.9	3.5	7.2		5.4	1.4	3.4
Cycle Queue Clearance Time (g_c), s	28.8	12.8	12.8	18.6	20.9	20.9	4.9	7.2		12.5	1.4	3.4
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	168	2616	1299	276	2616	1295	356	374		269	421	357
Volume-to-Capacity Ratio (*X*)	0.148	0.371	0.371	0.138	0.521	0.521	0.141	0.323		0.243	0.065	0.158
Back of Queue (*Q*), ft/ln (95 th percentile)	20.6	212.6	216.6	24.3	315.6	322.2	54.9	135.8		78.3	28.6	61
Back of Queue (*Q*), veh/ln (95 th percentile)	0.8	8.5	8.7	1.0	12.6	12.9	2.2	5.4		3.1	1.1	2.4
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	16.1	7.8	7.8	11.7	9.1	9.1	38.8	39.1		44.4	36.9	37.7
Incremental Delay (d_2), s/veh	1.9	0.4	0.8	1.0	0.7	1.5	0.2	0.5		0.5	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	17.9	8.2	8.6	12.8	9.8	10.6	39.0	39.6		44.9	36.9	37.9
Level of Service (LOS)	B	A	A	B	A	B	D	D		D	D	D
Approach Delay, s/veh / LOS	8.5	A		10.1	B		39.4	D		40.8	D	
Intersection Delay, s/veh / LOS	12.0						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.30	A	1.63	B	0.77	A	0.73	A

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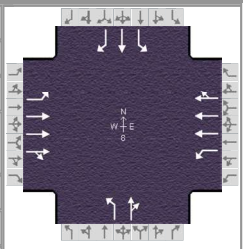
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 26, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing with Project - AM	PHF	0.92
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Belle Porte / PCH	File Name	01AM - Existing with Project.xus		
Project Description	1280 PCH				

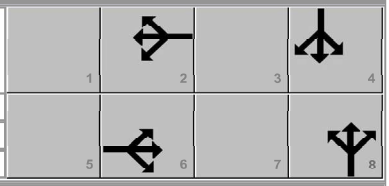


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	23	1332	16	41	1839	35	73	33	78	60	25	52

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	82.6	26.6	0.0	0.0	0.0	0.0						
Yellow	4.1	4.1	0.0	0.0	0.0	0.0						
Red	1.3	1.3	0.0	0.0	0.0	0.0						



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.2		4.2
Queue Clearance Time (g_s), s						9.2		14.5
Green Extension Time (g_e), s		0.0		0.0		1.1		1.0
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.02

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	25	979	486	45	1362	675	79	121		65	27	57
Adjusted Saturation Flow Rate (*s*), veh/h/ln	211	1900	1888	368	1900	1881	1405	1687		1291	1900	1610
Queue Service Time (g_s), s	7.8	13.0	13.0	7.0	20.9	20.9	5.7	7.2		5.4	1.4	3.4
Cycle Queue Clearance Time (g_c), s	28.8	13.0	13.0	19.9	20.9	20.9	7.0	7.2		12.5	1.4	3.4
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	168	2616	1299	273	2616	1295	356	374		269	421	357
Volume-to-Capacity Ratio (*X*)	0.148	0.374	0.374	0.163	0.521	0.521	0.223	0.323		0.243	0.065	0.158
Back of Queue (*Q*), ft/ln (95 th percentile)	20.6	214.5	218.5	29.2	315.6	322.2	89.3	135.8		78.3	28.6	61
Back of Queue (*Q*), veh/ln (95 th percentile)	0.8	8.6	8.7	1.2	12.6	12.9	3.6	5.4		3.1	1.1	2.4
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	16.1	7.9	7.9	12.0	9.1	9.1	39.6	39.1		44.4	36.9	37.7
Incremental Delay (d_2), s/veh	1.9	0.4	0.8	1.3	0.7	1.5	0.3	0.5		0.5	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	17.9	8.3	8.7	13.3	9.8	10.6	40.0	39.6		44.9	36.9	37.9
Level of Service (LOS)	B	A	A	B	A	B	D	D		D	D	D
Approach Delay, s/veh / LOS	8.6	A		10.2	B		39.8	D		40.8	D	
Intersection Delay, s/veh / LOS	12.2						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.31	A	1.63	B	0.82	A	0.73	A

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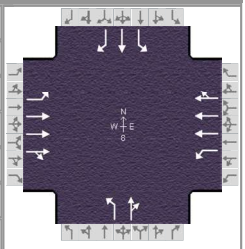
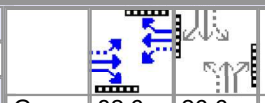
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 12, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future - AM	PHF	0.92
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 7:15
Intersection	Belle Porte / PCH	File Name	01AM - Future.xus		
Project Description	1280 PCH				

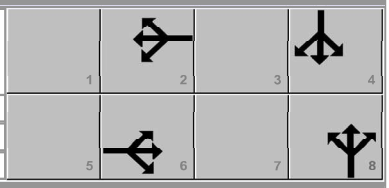


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	24	1392	17	37	1950	37	48	35	82	63	26	55

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	82.6	26.6	0.0	0.0	0.0	0.0
Yellow	4.1	4.1	0.0	0.0	0.0	0.0
Red	1.3	1.3	0.0	0.0	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						9.6		15.3
Green Extension Time (g_e), s		0.0		0.0		1.1		0.9
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.03

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	26	1023	508	40	1444	716	52	127		68	28	60
Adjusted Saturation Flow Rate (*s*), veh/h/ln	187	1900	1888	345	1900	1881	1404	1687		1283	1900	1610
Queue Service Time (g_s), s	9.8	13.8	13.8	6.8	22.9	23.0	3.7	7.6		5.7	1.4	3.6
Cycle Queue Clearance Time (g_c), s	32.8	13.8	13.8	20.5	22.9	23.0	5.1	7.6		13.3	1.4	3.6
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	153	2616	1299	258	2616	1295	355	374		263	421	357
Volume-to-Capacity Ratio (*X*)	0.171	0.391	0.391	0.156	0.552	0.553	0.147	0.340		0.260	0.067	0.167
Back of Queue (*Q*), ft/ln (95 th percentile)	23.2	225.1	229.4	26.9	340.6	348.9	57.5	143.8		82.9	29.8	64.7
Back of Queue (*Q*), veh/ln (95 th percentile)	0.9	9.0	9.2	1.1	13.6	14.0	2.3	5.8		3.3	1.2	2.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	17.7	8.0	8.0	12.4	9.4	9.4	38.9	39.3		44.9	36.9	37.7
Incremental Delay (d_2), s/veh	2.4	0.4	0.9	1.3	0.8	1.7	0.2	0.5		0.5	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	20.1	8.4	8.9	13.6	10.2	11.1	39.1	39.8		45.4	37.0	38.0
Level of Service (LOS)	C	A	A	B	B	B	D	D		D	D	D
Approach Delay, s/veh / LOS	8.8	A		10.6	B		39.6	D		41.1	D	
Intersection Delay, s/veh / LOS	12.3						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.34	A	1.70	B	0.78	A	0.75	A

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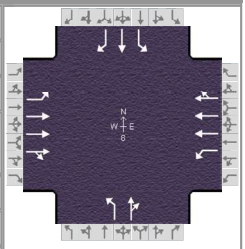
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 26, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future with Project - AM	PHF	0.92
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 7:15
Intersection	Belle Porte / PCH	File Name	01AM - Future with Project.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	24	1403	17	43	1950	37	75	35	82	63	26	55

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	82.6	26.6	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	4.1	4.1	0.0	0.0	0.0	0.0				
Red	1.3	1.3	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.2		4.2
Queue Clearance Time (g_s), s						9.6		15.3
Green Extension Time (g_e), s		0.0		0.0		1.2		1.0
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.03

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	26	1031	512	47	1444	716	82	127		68	28	60
Adjusted Saturation Flow Rate (*s*), veh/h/ln	187	1900	1888	341	1900	1881	1404	1687		1283	1900	1610
Queue Service Time (g_s), s	9.8	13.9	13.9	8.2	22.9	23.0	5.8	7.6		5.7	1.4	3.6
Cycle Queue Clearance Time (g_c), s	32.8	13.9	13.9	22.1	22.9	23.0	7.3	7.6		13.3	1.4	3.6
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	153	2616	1299	255	2616	1295	355	374		263	421	357
Volume-to-Capacity Ratio (*X*)	0.171	0.394	0.394	0.183	0.552	0.553	0.230	0.340		0.260	0.067	0.167
Back of Queue (*Q*), ft/ln (95 th percentile)	23.2	227	231.4	32.2	340.6	348.9	91.9	143.8		82.9	29.8	64.7
Back of Queue (*Q*), veh/ln (95 th percentile)	0.9	9.1	9.3	1.3	13.6	14.0	3.7	5.8		3.3	1.2	2.6
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	17.7	8.0	8.0	12.7	9.4	9.4	39.8	39.3		44.9	36.9	37.7
Incremental Delay (d_2), s/veh	2.4	0.4	0.9	1.6	0.8	1.7	0.3	0.5		0.5	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	20.1	8.4	8.9	14.3	10.2	11.1	40.1	39.8		45.4	37.0	38.0
Level of Service (LOS)	C	A	A	B	B	B	D	D		D	D	D
Approach Delay, s/veh / LOS	8.8	A		10.6	B		39.9	D		41.1	D	
Intersection Delay, s/veh / LOS	12.5						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.35	A	1.70	B	0.83	A	0.75	A

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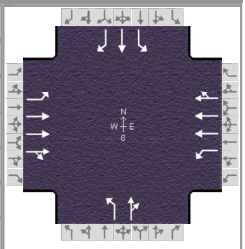
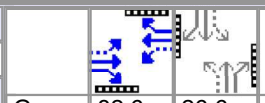
HCS7 Signalized Intersection Results Summary

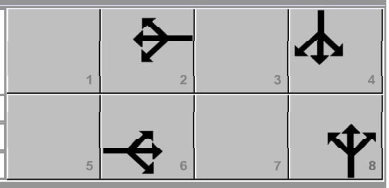
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	10/8/2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing - PM	PHF	0.94
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 15:30
Intersection	Belle Porte / PCH	File Name	01PM - Existing.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	44	1684	23	49	1164	31	29	20	76	56	25	51

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



										
							1	2	3	4
Green	82.6	26.6	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	4.1	4.1	0.0	0.0	0.0	0.0				
Red	1.3	1.3	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						8.1		12.8
Green Extension Time (g_e), s		0.0		0.0		0.9		0.8
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.00

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	47	1213	603	52	851	420	31	102		60	27	54
Adjusted Saturation Flow Rate (*s*), veh/h/ln	443	1900	1886	262	1900	1874	1406	1663		1313	1900	1610
Queue Service Time (g_s), s	5.7	17.5	17.6	13.7	10.8	10.8	2.1	6.1		4.7	1.3	3.3
Cycle Queue Clearance Time (g_c), s	16.5	17.5	17.6	31.2	10.8	10.8	3.5	6.1		10.8	1.3	3.3
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	325	2616	1298	202	2616	1290	356	369		284	421	357
Volume-to-Capacity Ratio (*X*)	0.144	0.464	0.464	0.258	0.326	0.326	0.087	0.277		0.210	0.063	0.152
Back of Queue (*Q*), ft/ln (95 th percentile)	28	273.2	278.8	43.3	184.8	187.7	33.4	113.6		70.2	28	58.5
Back of Queue (*Q*), veh/ln (95 th percentile)	1.1	10.9	11.2	1.7	7.4	7.5	1.3	4.5		2.8	1.1	2.3
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	10.8	8.6	8.6	15.7	7.5	7.5	38.2	38.7		43.2	36.9	37.6
Incremental Delay (d_2), s/veh	0.9	0.6	1.2	3.1	0.3	0.7	0.1	0.4		0.4	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	11.8	9.2	9.8	18.8	7.8	8.2	38.3	39.1		43.6	36.9	37.8
Level of Service (LOS)	B	A	A	B	A	A	D	D		D	D	D
Approach Delay, s/veh / LOS	9.4	A		8.4	A		38.9	D		40.1	D	
Intersection Delay, s/veh / LOS	11.4						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.51	B	1.22	A	0.71	A	0.72	A

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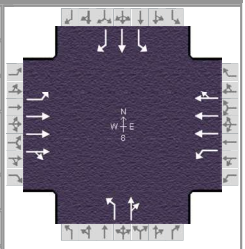
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 26, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing with Project - PM	PHF	0.94
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 15:30
Intersection	Belle Porte / PCH	File Name	01PM - Existing with Project.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	44	1709	23	61	1164	31	45	20	76	56	25	51

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	82.6	26.6	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	4.1	4.1	0.0	0.0	0.0	0.0				
Red	1.3	1.3	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.2		4.2
Queue Clearance Time (g_s), s						8.1		12.8
Green Extension Time (g_e), s		0.0		0.0		1.0		0.9
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.01

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	47	1231	611	65	851	420	48	102		60	27	54
Adjusted Saturation Flow Rate (*s*), veh/h/ln	443	1900	1886	255	1900	1874	1406	1663		1313	1900	1610
Queue Service Time (g_s), s	5.7	17.9	17.9	18.9	10.8	10.8	3.3	6.1		4.7	1.3	3.3
Cycle Queue Clearance Time (g_c), s	16.5	17.9	17.9	36.8	10.8	10.8	4.7	6.1		10.8	1.3	3.3
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	325	2616	1298	197	2616	1290	356	369		284	421	357
Volume-to-Capacity Ratio (*X*)	0.144	0.471	0.471	0.329	0.326	0.326	0.134	0.277		0.210	0.063	0.152
Back of Queue (*Q*), ft/ln (95 th percentile)	28	278.2	284	58.9	184.8	187.7	52.5	113.6		70.2	28	58.5
Back of Queue (*Q*), veh/ln (95 th percentile)	1.1	11.1	11.4	2.4	7.4	7.5	2.1	4.5		2.8	1.1	2.3
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	10.8	8.6	8.6	17.1	7.5	7.5	38.7	38.7		43.2	36.9	37.6
Incremental Delay (d_2), s/veh	0.9	0.6	1.2	4.4	0.3	0.7	0.2	0.4		0.4	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	11.8	9.2	9.9	21.5	7.8	8.2	38.9	39.1		43.6	36.9	37.8
Level of Service (LOS)	B	A	A	C	A	A	D	D		D	D	D
Approach Delay, s/veh / LOS	9.5	A		8.6	A		39.0	D		40.1	D	
Intersection Delay, s/veh / LOS	11.6						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.53	B	1.22	A	0.74	A	0.72	A

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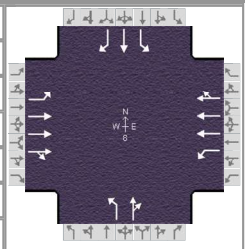
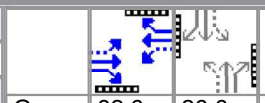
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 12, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future - PM	PHF	0.94
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 15:30
Intersection	Belle Porte / PCH	File Name	01PM - Future.xus		
Project Description	1280 PCH				

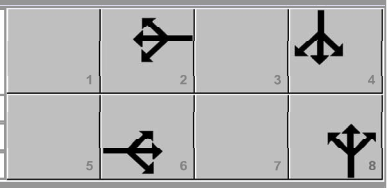


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	46	1786	24	51	1232	33	30	21	80	59	26	54

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	82.6	26.6	0.0	0.0	0.0	0.0
Yellow	4.1	4.1	0.0	0.0	0.0	0.0
Red	1.3	1.3	0.0	0.0	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.3		4.3
Queue Clearance Time (g_s), s						8.5		13.5
Green Extension Time (g_e), s		0.0		0.0		0.9		0.8
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.01

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	49	1286	639	54	901	444	32	107		63	28	57
Adjusted Saturation Flow Rate (*s*), veh/h/ln	412	1900	1886	235	1900	1873	1404	1663		1307	1900	1610
Queue Service Time (g_s), s	6.6	19.1	19.2	17.0	11.6	11.6	2.2	6.5		5.0	1.4	3.5
Cycle Queue Clearance Time (g_c), s	18.2	19.1	19.2	36.1	11.6	11.6	3.6	6.5		11.5	1.4	3.5
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	304	2616	1299	184	2616	1290	355	369		279	421	357
Volume-to-Capacity Ratio (*X*)	0.161	0.492	0.492	0.294	0.345	0.345	0.090	0.291		0.225	0.066	0.161
Back of Queue (*Q*), ft/ln (95 th percentile)	30.6	293.8	300.2	49.3	196.9	199.3	34.6	119.9		74.5	29.2	62.1
Back of Queue (*Q*), veh/ln (95 th percentile)	1.2	11.8	12.0	2.0	7.9	8.0	1.4	4.8		3.0	1.2	2.5
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	11.4	8.8	8.8	17.3	7.6	7.6	38.3	38.9		43.6	36.9	37.7
Incremental Delay (d_2), s/veh	1.1	0.7	1.3	4.0	0.4	0.7	0.1	0.4		0.4	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	12.5	9.5	10.2	21.3	8.0	8.4	38.4	39.3		44.0	37.0	37.9
Level of Service (LOS)	B	A	B	C	A	A	D	D		D	D	D
Approach Delay, s/veh / LOS	9.8	A		8.6	A		39.1	D		40.3	D	
Intersection Delay, s/veh / LOS	11.7						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.57	B	1.26	A	0.72	A	0.73	A

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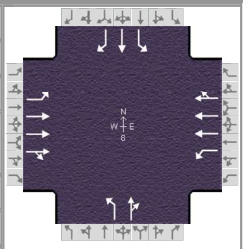
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 26, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future with Project - PM	PHF	0.94
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 15:30
Intersection	Belle Porte / PCH	File Name	01PM - Future with Project.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	46	1811	24	63	1232	33	46	21	80	59	26	54

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



							1	2	3	4
Green	82.6	26.6	0.0	0.0	0.0	0.0	5	6	7	8
Yellow	4.1	4.1	0.0	0.0	0.0	0.0				
Red	1.3	1.3	0.0	0.0	0.0	0.0				

Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase		6		2		8		4
Case Number		6.0		6.0		6.0		5.0
Phase Duration, s		88.0		88.0		32.0		32.0
Change Period, ($Y+R_c$), s		5.4		5.4		5.4		5.4
Max Allow Headway (*MAH*), s		0.0		0.0		4.2		4.2
Queue Clearance Time (g_s), s						8.5		13.5
Green Extension Time (g_e), s		0.0		0.0		1.0		0.9
Phase Call Probability						1.00		1.00
Max Out Probability						0.00		0.01

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	49	1304	648	67	901	444	49	107		63	28	57
Adjusted Saturation Flow Rate (*s*), veh/h/ln	412	1900	1887	229	1900	1873	1404	1663		1307	1900	1610
Queue Service Time (g_s), s	6.6	19.5	19.6	23.5	11.6	11.6	3.4	6.5		5.0	1.4	3.5
Cycle Queue Clearance Time (g_c), s	18.2	19.5	19.6	43.1	11.6	11.6	4.8	6.5		11.5	1.4	3.5
Green Ratio (*g/C*)	0.69	0.69	0.69	0.69	0.69	0.69	0.22	0.22		0.22	0.22	0.22
Capacity (*c*), veh/h	304	2616	1299	180	2616	1290	355	369		279	421	357
Volume-to-Capacity Ratio (*X*)	0.161	0.499	0.499	0.372	0.345	0.345	0.138	0.291		0.225	0.066	0.161
Back of Queue (*Q*), ft/ln (95 th percentile)	30.6	298.4	305.5	67.2	196.9	199.3	53.7	119.9		74.5	29.2	62.1
Back of Queue (*Q*), veh/ln (95 th percentile)	1.2	11.9	12.2	2.7	7.9	8.0	2.1	4.8		3.0	1.2	2.5
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Uniform Delay (d_1), s/veh	11.4	8.9	8.9	19.1	7.6	7.6	38.8	38.9		43.6	36.9	37.7
Incremental Delay (d_2), s/veh	1.1	0.7	1.4	5.8	0.4	0.7	0.2	0.4		0.4	0.1	0.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Control Delay (*d*), s/veh	12.5	9.6	10.2	24.9	8.0	8.4	39.0	39.3		44.0	37.0	37.9
Level of Service (LOS)	B	A	B	C	A	A	D	D		D	D	D
Approach Delay, s/veh / LOS	9.9	A		8.9	A		39.2	D		40.3	D	
Intersection Delay, s/veh / LOS	11.9						B					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	1.95	B	2.14	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.59	B	1.26	A	0.75	A	0.73	A

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HCS7 All-Way Stop Control Report

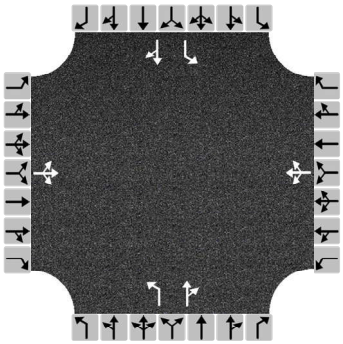
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2021
Analysis Time Period (hrs)	0.25
Time Analyzed	Existing - AM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.89

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	17	11	1	3	15	46	2	91	1	10	44	13
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	33			72			2	103		11	64	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.029			0.064			0.002	0.092		0.010	0.057	
Final Departure Headway, hd (s)	4.53			3.97			5.33	4.82		5.35	4.69	
Final Degree of Utilization, x	0.041			0.079			0.003	0.138		0.017	0.083	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.53			1.97			3.03	2.52		3.05	2.39	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	33			72			2	103		11	64	
Capacity	795			906			675	747		673	767	
95% Queue Length, Q_{95} (veh)	0.1			0.3			0.0	0.5		0.1	0.3	
Control Delay (s/veh)	7.7			7.3			8.0	8.3		8.1	7.8	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.7			7.3			8.3			7.9		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.9						A					

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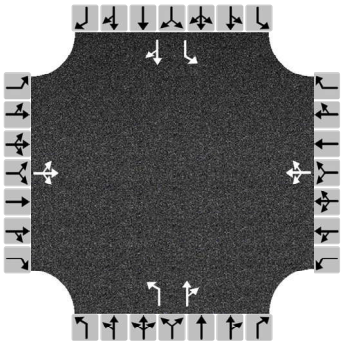
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Belle Porte / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/26/2021	East/West Street	259th Street
Analysis Year	2021	North/South Street	Belle Porte Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.89
Time Analyzed	Existing + Project - AM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	17	14	1	3	22	73	2	91	1	16	44	13
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	36			110			2	103		18	64	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.032			0.098			0.002	0.092		0.016	0.057	
Final Departure Headway, hd (s)	4.58			3.98			5.43	4.92		5.45	4.79	
Final Degree of Utilization, x	0.046			0.122			0.003	0.141		0.027	0.085	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.58			1.98			3.13	2.62		3.15	2.49	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	36			110			2	103		18	64	
Capacity	786			904			663	731		660	752	
95% Queue Length, Q_{95} (veh)	0.1			0.4			0.0	0.5		0.1	0.3	
Control Delay (s/veh)	7.8			7.5			8.2	8.4		8.3	7.9	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.8			7.5			8.4			8.0		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	8.0						A					

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HCS7 All-Way Stop Control Report

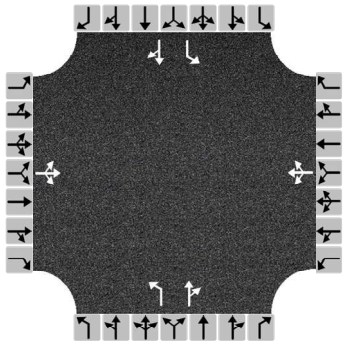
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future - AM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.89

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	18	12	1	3	16	48	2	96	1	11	46	14
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	35			75			2	109		12	67	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.031			0.067			0.002	0.097		0.011	0.060	
Final Departure Headway, hd (s)	4.56			4.00			5.35	4.84		5.37	4.71	
Final Degree of Utilization, x	0.044			0.084			0.003	0.147		0.018	0.088	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.56			2.00			3.05	2.54		3.07	2.41	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	35			75			2	109		12	67	
Capacity	790			900			673	744		670	765	
95% Queue Length, Q_{95} (veh)	0.1			0.3			0.0	0.5		0.1	0.3	
Control Delay (s/veh)	7.8			7.4			8.1	8.4		8.2	7.9	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.8			7.4			8.4			7.9		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.9						A					

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HCS7 All-Way Stop Control Report

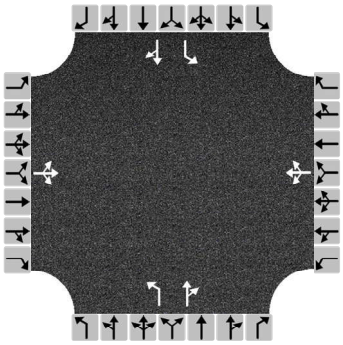
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future + Project - AM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.89

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	18	15	1	3	23	75	2	96	1	17	46	14
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	38			113			2	109		19	67	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.034			0.101			0.002	0.097		0.017	0.060	
Final Departure Headway, hd (s)	4.62			4.02			5.45	4.95		5.47	4.81	
Final Degree of Utilization, x	0.049			0.127			0.003	0.150		0.029	0.090	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.62			2.02			3.15	2.65		3.17	2.51	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	38			113			2	109		19	67	
Capacity	780			897			660	728		658	749	
95% Queue Length, Q_{95} (veh)	0.2			0.4			0.0	0.5		0.1	0.3	
Control Delay (s/veh)	7.9			7.6			8.2	8.5		8.3	8.0	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.9			7.6			8.5			8.1		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	8.0						A					

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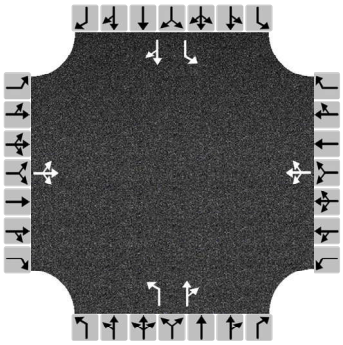
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Belle Porte / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/7/2021	East/West Street	259th Street
Analysis Year	2021	North/South Street	Belle Porte Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.87
Time Analyzed	Existing - PM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	25	10	3	3	5	30	4	60	4	11	61	18
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	44			44			5	74		13	91	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.039			0.039			0.004	0.065		0.011	0.081	
Final Departure Headway, hd (s)	4.48			3.94			5.31	4.77		5.29	4.63	
Final Degree of Utilization, x	0.054			0.048			0.007	0.097		0.019	0.117	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.48			1.94			3.01	2.47		2.99	2.33	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	44			44			5	74		13	91	
Capacity	804			913			678	755		680	777	
95% Queue Length, Q_{95} (veh)	0.2			0.2			0.0	0.3		0.1	0.4	
Control Delay (s/veh)	7.7			7.1			8.0	8.0		8.1	7.9	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.7			7.1			8.0			8.0		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.8						A					

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HCS7 All-Way Stop Control Report

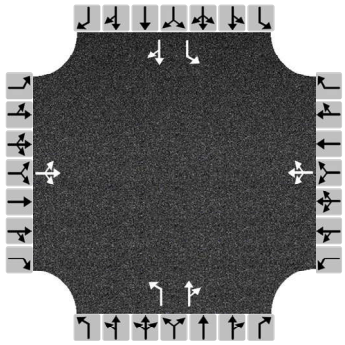
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2021
Analysis Time Period (hrs)	0.25
Time Analyzed	Existing + Project - PM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.87

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	25	15	3	3	9	46	4	60	4	23	61	18
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	49			67			5	74		26	91	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.044			0.059			0.004	0.065		0.023	0.081	
Final Departure Headway, hd (s)	4.53			3.98			5.40	4.85		5.36	4.70	
Final Degree of Utilization, x	0.062			0.074			0.007	0.099		0.039	0.119	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.53			1.98			3.10	2.55		3.06	2.40	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	49			67			5	74		26	91	
Capacity	794			904			667	742		671	766	
95% Queue Length, Q_{95} (veh)	0.2			0.2			0.0	0.3		0.1	0.4	
Control Delay (s/veh)	7.8			7.3			8.1	8.1		8.3	8.0	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.8			7.3			8.1			8.1		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.9						A					

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HCS7 All-Way Stop Control Report

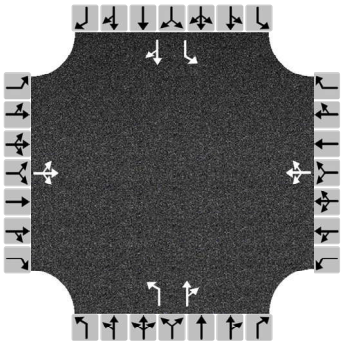
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future - PM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.87

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	26	11	3	3	5	32	4	63	4	12	64	19
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	46			46			5	77		14	95	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.041			0.041			0.004	0.068		0.012	0.085	
Final Departure Headway, hd (s)	4.51			3.96			5.33	4.79		5.31	4.65	
Final Degree of Utilization, x	0.058			0.051			0.007	0.102		0.020	0.123	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.51			1.96			3.03	2.49		3.01	2.35	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	46			46			5	77		14	95	
Capacity	799			909			675	752		678	775	
95% Queue Length, Q_{95} (veh)	0.2			0.2			0.0	0.3		0.1	0.4	
Control Delay (s/veh)	7.8			7.2			8.1	8.0		8.1	8.0	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.8			7.2			8.0			8.0		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.8						A					

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HCS7 All-Way Stop Control Report

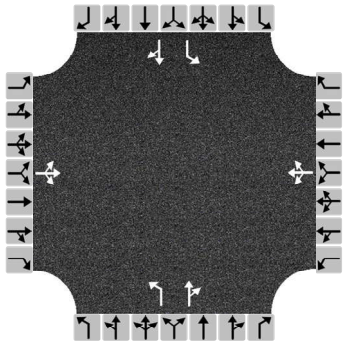
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future with Project - PM
Project Description	1280 PCH

Site Information

Intersection	Belle Porte / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Belle Porte Avenue
Peak Hour Factor	0.87

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	26	16	3	3	9	48	4	63	4	24	64	19
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LTR			LTR			L	TR		L	TR	
Flow Rate, v (veh/h)	52			69			5	77		28	95	
Percent Heavy Vehicles	2			2			2	2		2	2	

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20			3.20			3.20	3.20		3.20	3.20	
Initial Degree of Utilization, x	0.046			0.061			0.004	0.068		0.025	0.085	
Final Departure Headway, hd (s)	4.56			4.00			5.41	4.87		5.38	4.72	
Final Degree of Utilization, x	0.065			0.077			0.007	0.104		0.041	0.125	
Move-Up Time, m (s)	2.0			2.0			2.3	2.3		2.3	2.3	
Service Time, ts (s)	2.56			2.00			3.11	2.57		3.08	2.42	

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	52			69			5	77		28	95	
Capacity	790			900			665	739		669	763	
95% Queue Length, Q_{95} (veh)	0.2			0.2			0.0	0.3		0.1	0.4	
Control Delay (s/veh)	7.9			7.3			8.2	8.1		8.3	8.1	
Level of Service, LOS	A			A			A	A		A	A	
Approach Delay (s/veh)	7.9			7.3			8.1			8.1		
Approach LOS	A			A			A			A		
Intersection Delay, s/veh | LOS	7.9						A					

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HCS7 Two-Way Stop-Control Report

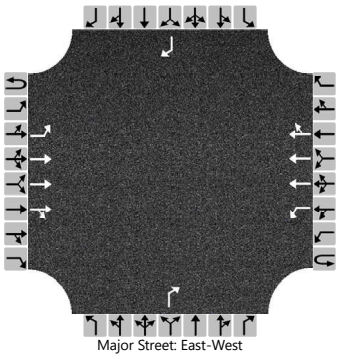
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	25	1415	17	0	37	1884	17				77				24
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		28				42						88				27
Capacity, c (veh/h)		102				191						274				182
v/c Ratio		0.28				0.22						0.32				0.15
95% Queue Length, Q_{95} (veh)		1.0				0.8						1.3				0.5
Control Delay (s/veh)		53.2				29.2						24.2				28.2
Level of Service (LOS)		F				D						C				D
Approach Delay (s/veh)	0.9				0.6				24.2				28.2			
Approach LOS									C				D			

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HCS7 Two-Way Stop-Control Report

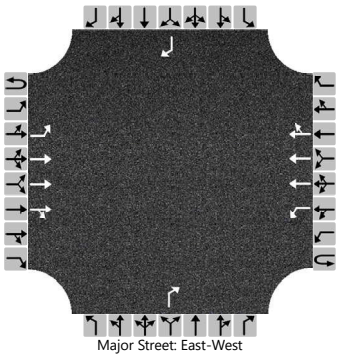
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2021
Time Analyzed	Existing + Project - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	25	1414	29	0	49	1890	17				122				24
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		28				56						139				27
Capacity, c (veh/h)		101				188						271				181
v/c Ratio		0.28				0.30						0.51				0.15
95% Queue Length, Q_{95} (veh)		1.0				1.2						2.7				0.5
Control Delay (s/veh)		53.8				32.0						31.3				28.4
Level of Service (LOS)		F				D						D				D
Approach Delay (s/veh)	0.9				0.8				31.3				28.4			
Approach LOS									D				D			

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HCS7 Two-Way Stop-Control Report

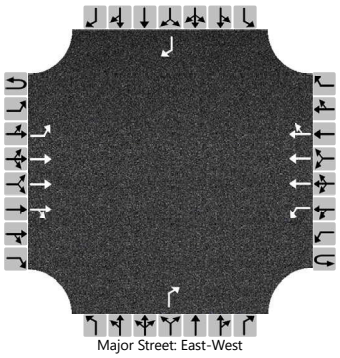
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2026
Time Analyzed	Future - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	26	1491	18	0	39	1997	18				81				25
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		30				44						92				28
Capacity, c (veh/h)		88				172						256				165
v/c Ratio		0.34				0.26						0.36				0.17
95% Queue Length, Q_{95} (veh)		1.3				1.0						1.6				0.6
Control Delay (s/veh)		65.6				33.0						26.7				31.4
Level of Service (LOS)		F				D						D				D
Approach Delay (s/veh)	1.1				0.6				26.7				31.4			
Approach LOS									D				D			

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HCS7 Two-Way Stop-Control Report

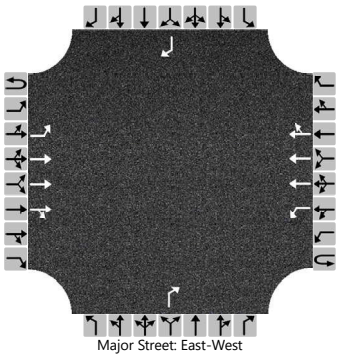
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Time Analyzed	Future + Project - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.88
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	26	1490	30	0	51	2003	18				126				25
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		30				58						143				28
Capacity, c (veh/h)		87				170						254				164
v/c Ratio		0.34				0.34						0.56				0.17
95% Queue Length, Q_{95} (veh)		1.3				1.4						3.2				0.6
Control Delay (s/veh)		66.3				36.8						36.1				31.5
Level of Service (LOS)		F				E						E				D
Approach Delay (s/veh)	1.1				0.9				36.1				31.5			
Approach LOS									E				D			

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HCS7 Two-Way Stop-Control Report

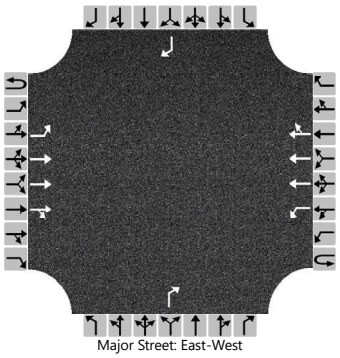
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	16	1789	23	0	48	1240	18				44				21
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		17				51						47				22
Capacity, c (veh/h)		265				134						218				341
v/c Ratio		0.06				0.38						0.21				0.07
95% Queue Length, Q_{95} (veh)		0.2				1.6						0.8				0.2
Control Delay (s/veh)		19.5				47.3						26.0				16.3
Level of Service (LOS)		C				E						D				C
Approach Delay (s/veh)	0.2				1.7				26.0				16.3			
Approach LOS									D				C			

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HCS7 Two-Way Stop-Control Report

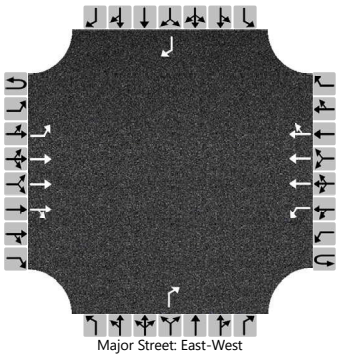
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2021
Time Analyzed	Existing + Project - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	16	1786	51	0	73	1252	18				72				21
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		17				78						77				22
Capacity, c (veh/h)		262				130						213				338
v/c Ratio		0.07				0.60						0.36				0.07
95% Queue Length, Q_{95} (veh)		0.2				3.0						1.5				0.2
Control Delay (s/veh)		19.7				66.9						31.0				16.4
Level of Service (LOS)		C				F						D				C
Approach Delay (s/veh)	0.2				3.6				31.0				16.4			
Approach LOS									D				C			

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HCS7 Two-Way Stop-Control Report

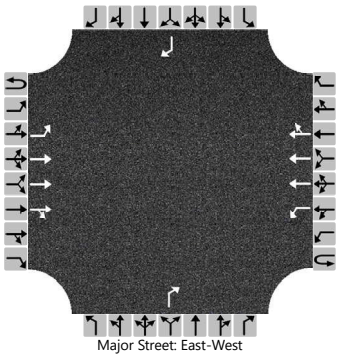
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/7/2021
Analysis Year	2026
Time Analyzed	Future - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	17	1896	24	0	50	1312	19				46				22
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		18				53						49				23
Capacity, c (veh/h)		243				117						199				322
v/c Ratio		0.07				0.45						0.25				0.07
95% Queue Length, Q_{95} (veh)		0.2				2.0						0.9				0.2
Control Delay (s/veh)		21.0				58.8						28.8				17.1
Level of Service (LOS)		C				F						D				C
Approach Delay (s/veh)	0.2				2.1				28.8				17.1			
Approach LOS									D				C			

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HCS7 Two-Way Stop-Control Report

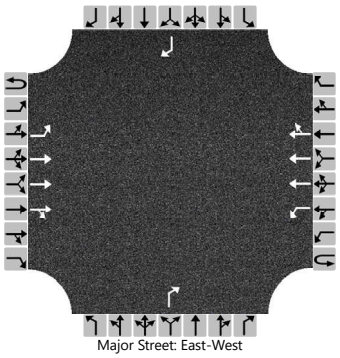
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Time Analyzed	Future + Project - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / PCH
Jurisdiction	City of Los Angeles
East/West Street	Pacific Coast Highway
North/South Street	Frampton Avenue
Peak Hour Factor	0.94
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	1	3	0	0	1	3	0		0	0	1		0	0	1
Configuration		L	T	TR		L	T	TR				R				R
Volume (veh/h)	0	17	1893	52	0	75	1324	19				74				22
Percent Heavy Vehicles (%)	3	3			3	3						3				3
Proportion Time Blocked																
Percent Grade (%)									0				0			
Right Turn Channelized									No				No			
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)		5.3				5.3						7.1				7.1
Critical Headway (sec)		5.36				5.36						7.16				7.16
Base Follow-Up Headway (sec)		3.1				3.1						3.9				3.9
Follow-Up Headway (sec)		3.13				3.13						3.93				3.93

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		18				80						79				23
Capacity, c (veh/h)		239				114						195				319
v/c Ratio		0.08				0.70						0.40				0.07
95% Queue Length, Q_{95} (veh)		0.2				3.7						1.8				0.2
Control Delay (s/veh)		21.3				89.7						35.4				17.2
Level of Service (LOS)		C				F						E				C
Approach Delay (s/veh)	0.2				4.7				35.4				17.2			
Approach LOS									E				C			

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HCS7 Two-Way Stop-Control Report

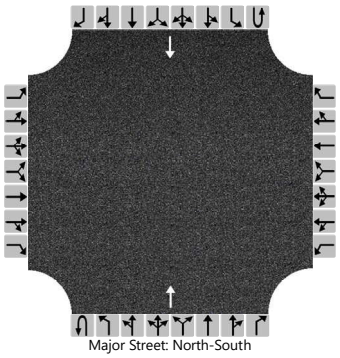
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	0	0	0	0	1	0	0	0	1	0
Configuration											T				T	
Volume (veh/h)											83				50	
Percent Heavy Vehicles (%)																
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)																
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)																

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)																
Capacity, c (veh/h)																
v/c Ratio																
95% Queue Length, Q_{95} (veh)																
Control Delay (s/veh)																
Level of Service (LOS)																
Approach Delay (s/veh)																
Approach LOS																

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HCS7 Two-Way Stop-Control Report

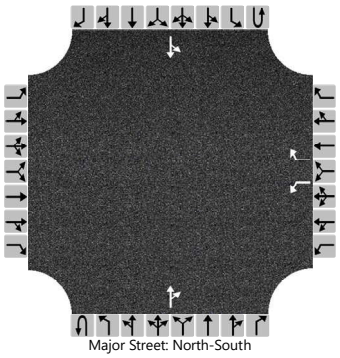
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2021
Time Analyzed	Existing + Project - AM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		1	0	1	0	0	1	0	0	0	1	0
Configuration						L		R				TR		LT		
Volume (veh/h)						50		45			82	16		25	49	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized						No										
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						54		49						27		
Capacity, c (veh/h)						766		955						1478		
v/c Ratio						0.07		0.05						0.02		
95% Queue Length, Q_{95} (veh)						0.2		0.2						0.1		
Control Delay (s/veh)						10.1		9.0						7.5		
Level of Service (LOS)						B		A						A		
Approach Delay (s/veh)						9.5								2.6		
Approach LOS						A										

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HCS7 Two-Way Stop-Control Report

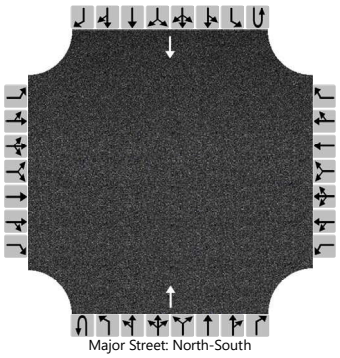
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2026
Time Analyzed	Future - AM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	0	0	0	0	1	0	0	0	1	0
Configuration											T				T	
Volume (veh/h)											87				53	
Percent Heavy Vehicles (%)																
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)																
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)																

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)																
Capacity, c (veh/h)																
v/c Ratio																
95% Queue Length, Q_{95} (veh)																
Control Delay (s/veh)																
Level of Service (LOS)																
Approach Delay (s/veh)																
Approach LOS																

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HCS7 Two-Way Stop-Control Report

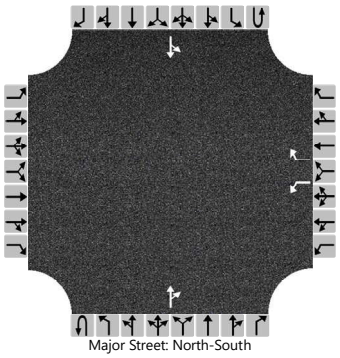
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Time Analyzed	Future + Project - AM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		1	0	1	0	0	1	0	0	0	1	0
Configuration						L		R				TR		LT		
Volume (veh/h)						50		45			86	16		25	52	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized						No										
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						54		49						27		
Capacity, c (veh/h)						758		950						1473		
v/c Ratio						0.07		0.05						0.02		
95% Queue Length, Q_{95} (veh)						0.2		0.2						0.1		
Control Delay (s/veh)						10.1		9.0						7.5		
Level of Service (LOS)						B		A						A		
Approach Delay (s/veh)						9.6								2.5		
Approach LOS						A										

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HCS7 Two-Way Stop-Control Report

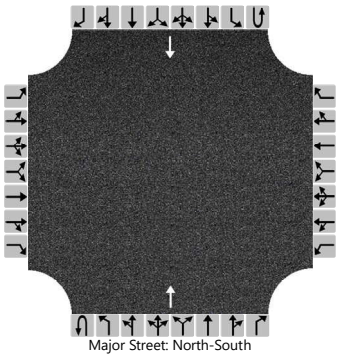
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	0	0	0	0	1	0	0	0	1	0
Configuration											T				T	
Volume (veh/h)											45				105	
Percent Heavy Vehicles (%)																
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)																
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)																

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)																
Capacity, c (veh/h)																
v/c Ratio																
95% Queue Length, Q_{95} (veh)																
Control Delay (s/veh)																
Level of Service (LOS)																
Approach Delay (s/veh)																
Approach LOS																

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HCS7 Two-Way Stop-Control Report

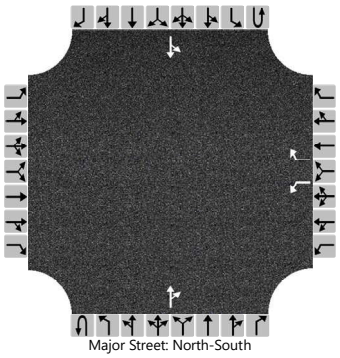
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2021
Time Analyzed	Existing + Project - PM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		1	0	1	0	0	1	0	0	0	1	0
Configuration						L		R				TR		LT		
Volume (veh/h)						31		28			42	35		57	101	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized						No										
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						34		30						62		
Capacity, c (veh/h)						661		997						1507		
v/c Ratio						0.05		0.03						0.04		
95% Queue Length, Q_{95} (veh)						0.2		0.1						0.1		
Control Delay (s/veh)						10.7		8.7						7.5		
Level of Service (LOS)						B		A						A		
Approach Delay (s/veh)						9.8								2.9		
Approach LOS						A										

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HCS7 Two-Way Stop-Control Report

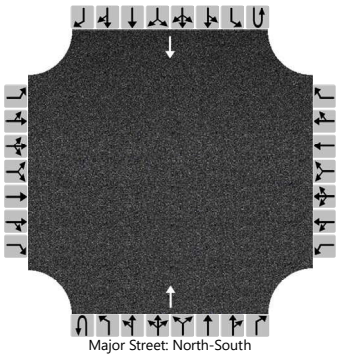
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2026
Time Analyzed	Future - PM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	0	0	0	0	1	0	0	0	1	0
Configuration											T				T	
Volume (veh/h)											47				110	
Percent Heavy Vehicles (%)																
Proportion Time Blocked																
Percent Grade (%)																
Right Turn Channelized																
Median Type | Storage	Undivided															

Critical and Follow-up Headways

Base Critical Headway (sec)																
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)																

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)																
Capacity, c (veh/h)																
v/c Ratio																
95% Queue Length, Q_{95} (veh)																
Control Delay (s/veh)																
Level of Service (LOS)																
Approach Delay (s/veh)																
Approach LOS																

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HCS7 Two-Way Stop-Control Report

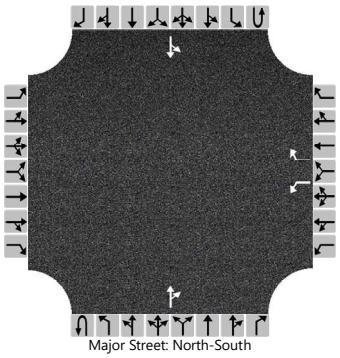
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/26/2021
Analysis Year	2026
Time Analyzed	Future + Project - PM
Intersection Orientation	North-South
Project Description	1280 PCH

Site Information

Intersection	Frampton / Project Dwy
Jurisdiction	City of Los Angeles
East/West Street	Project Driveway
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes


Major Street: North-South

Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		1	0	1	0	0	1	0	0	0	1	0
Configuration						L		R				TR		LT		
Volume (veh/h)						31		28			44	35		57	106	
Percent Heavy Vehicles (%)						3		3						3		
Proportion Time Blocked																
Percent Grade (%)						0										
Right Turn Channelized						No										
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.43		6.23						4.13		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.53		3.33						2.23		

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)						34		30						62		
Capacity, c (veh/h)						654		994						1504		
v/c Ratio						0.05		0.03						0.04		
95% Queue Length, Q_{95} (veh)						0.2		0.1						0.1		
Control Delay (s/veh)						10.8		8.7						7.5		
Level of Service (LOS)						B		A						A		
Approach Delay (s/veh)						9.8								2.8		
Approach LOS						A										

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HCS7 All-Way Stop Control Report

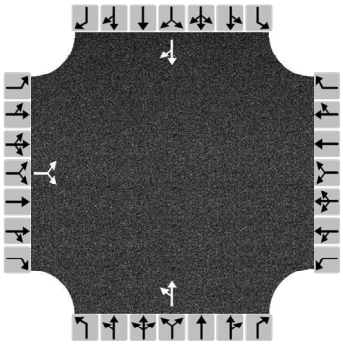
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/8/2021
Analysis Year	2021
Analysis Time Period (hrs)	0.25
Time Analyzed	Exisiting - AM
Project Description	1280 PCH

Site Information

Intersection	Frampton / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.83

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	10		14				48	73			35	15
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	29						146			60		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.026						0.130			0.054		
Final Departure Headway, hd (s)	4.11						4.13			3.96		
Final Degree of Utilization, x	0.033						0.167			0.066		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.11						2.13			1.96		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	29						146			60		
Capacity	877						871			910		
95% Queue Length, Q_{95} (veh)	0.1						0.6			0.2		
Control Delay (s/veh)	7.2						8.0			7.2		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.2						8.0			7.2		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.7						A					

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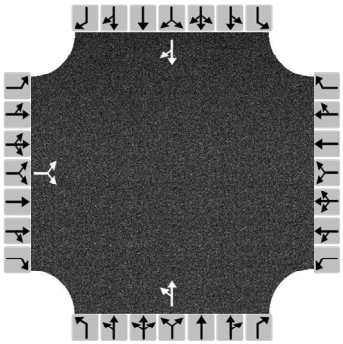
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Frampton / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/27/2021	East/West Street	259th Street
Analysis Year	2021	North/South Street	Frampton Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.83
Time Analyzed	Exisiting + Project - AM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	19		14				45	80			49	50
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	40						151			119		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.035						0.134			0.106		
Final Departure Headway, hd (s)	4.36						4.21			3.87		
Final Degree of Utilization, x	0.048						0.176			0.128		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.36						2.21			1.87		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	40						151			119		
Capacity	826						856			930		
95% Queue Length, Q_{95} (veh)	0.2						0.6			0.4		
Control Delay (s/veh)	7.6						8.1			7.4		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.6						8.1			7.4		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.8						A					

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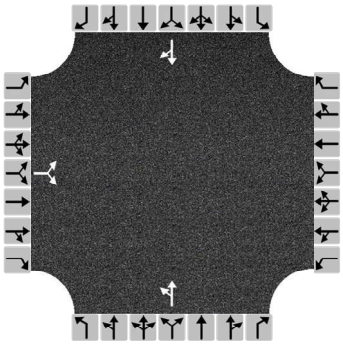
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Frampton / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/8/2021	East/West Street	259th Street
Analysis Year	2026	North/South Street	Frampton Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.83
Time Analyzed	Future - AM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	11		15				50	77			37	16
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	31						153			64		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.028						0.136			0.057		
Final Departure Headway, hd (s)	4.13						4.14			3.97		
Final Degree of Utilization, x	0.036						0.176			0.070		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.13						2.14			1.97		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	31						153			64		
Capacity	871						870			907		
95% Queue Length, Q_{95} (veh)	0.1						0.6			0.2		
Control Delay (s/veh)	7.3						8.0			7.3		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.3						8.0			7.3		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.7						A					

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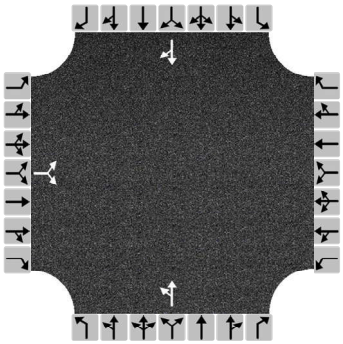
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Frampton / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/27/2021	East/West Street	259th Street
Analysis Year	2026	North/South Street	Frampton Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.83
Time Analyzed	Future + Project - AM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	20		15				47	84			51	51
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	42						158			123		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.037						0.140			0.109		
Final Departure Headway, hd (s)	4.38						4.22			3.89		
Final Degree of Utilization, x	0.051						0.185			0.133		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.38						2.22			1.89		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	42						158			123		
Capacity	822						854			926		
95% Queue Length, Q_{95} (veh)	0.2						0.7			0.5		
Control Delay (s/veh)	7.6						8.2			7.5		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.6						8.2			7.5		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.8						A					

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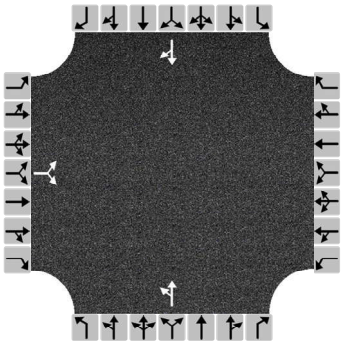
HCS7 All-Way Stop Control Report

General Information		Site Information	
Analyst	JAS	Intersection	Frampton / 259th
Agency/Co.	Linscott, Law & Greenspan	Jurisdiction	City of Los Angeles
Date Performed	10/8/2021	East/West Street	259th Street
Analysis Year	2021	North/South Street	Frampton Avenue
Analysis Time Period (hrs)	0.25	Peak Hour Factor	0.85
Time Analyzed	Exisiting - PM		
Project Description	1280 PCH		

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	6		16				22	39			83	22
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	26						72			124		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.023						0.064			0.110		
Final Departure Headway, hd (s)	3.96						4.17			3.93		
Final Degree of Utilization, x	0.028						0.083			0.135		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	1.96						2.17			1.93		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	26						72			124		
Capacity	909						863			916		
95% Queue Length, Q_{95} (veh)	0.1						0.3			0.5		
Control Delay (s/veh)	7.1						7.6			7.5		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.1						7.6			7.5		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.5						A					

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HCS7 All-Way Stop Control Report

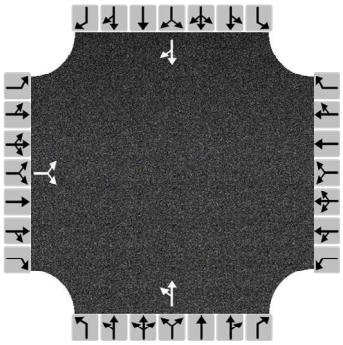
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2021
Analysis Time Period (hrs)	0.25
Time Analyzed	Exisiting + Project - PM
Project Description	1280 PCH

Site Information

Intersection	Frampton / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.85

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	25		15				20	53			88	44
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	47						86			155		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.042						0.076			0.138		
Final Departure Headway, hd (s)	4.34						4.24			3.93		
Final Degree of Utilization, x	0.057						0.101			0.169		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.34						2.24			1.93		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	47						86			155		
Capacity	830						849			917		
95% Queue Length, Q_{95} (veh)	0.2						0.3			0.6		
Control Delay (s/veh)	7.6						7.7			7.7		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.6						7.7			7.7		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.7						A					

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HCS7 All-Way Stop Control Report

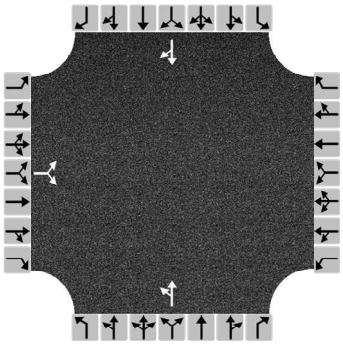
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/8/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future - PM
Project Description	1280 PCH

Site Information

Intersection	Frampton / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.85

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	6		17				23	41			87	23
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	27						75			129		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.024						0.067			0.115		
Final Departure Headway, hd (s)	3.97						4.18			3.94		
Final Degree of Utilization, x	0.030						0.087			0.142		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	1.97						2.18			1.94		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	27						75			129		
Capacity	907						861			914		
95% Queue Length, Q_{95} (veh)	0.1						0.3			0.5		
Control Delay (s/veh)	7.1						7.6			7.6		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.1						7.6			7.6		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.5						A					

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HCS7 All-Way Stop Control Report

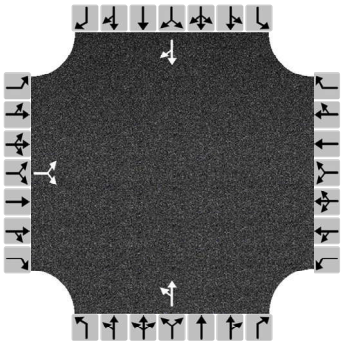
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2026
Analysis Time Period (hrs)	0.25
Time Analyzed	Future + Project - PM
Project Description	1280 PCH

Site Information

Intersection	Frampton / 259th
Jurisdiction	City of Los Angeles
East/West Street	259th Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.85

Lanes



Vehicle Volume and Adjustments

Approach	Eastbound			Westbound			Northbound			Southbound		
Movement	L	T	R	L	T	R	L	T	R	L	T	R
Volume	25		16				21	55			92	45
% Thrus in Shared Lane												
Lane	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3
Configuration	LR						LT			TR		
Flow Rate, v (veh/h)	48						89			161		
Percent Heavy Vehicles	2						2			2		

Departure Headway and Service Time

Initial Departure Headway, hd (s)	3.20						3.20			3.20		
Initial Degree of Utilization, x	0.043						0.079			0.143		
Final Departure Headway, hd (s)	4.34						4.25			3.94		
Final Degree of Utilization, x	0.058						0.106			0.176		
Move-Up Time, m (s)	2.0						2.0			2.0		
Service Time, ts (s)	2.34						2.25			1.94		

Capacity, Delay and Level of Service

Flow Rate, v (veh/h)	48						89			161		
Capacity	829						847			914		
95% Queue Length, Q_{95} (veh)	0.2						0.4			0.6		
Control Delay (s/veh)	7.6						7.7			7.8		
Level of Service, LOS	A						A			A		
Approach Delay (s/veh)	7.6						7.7			7.8		
Approach LOS	A						A			A		
Intersection Delay, s/veh | LOS	7.7						A					

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HCS7 Two-Way Stop-Control Report

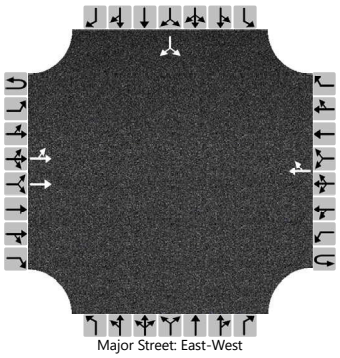
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2021
Time Analyzed	Existing - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		19	366				566	23						21		54
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		21													84	
Capacity, c (veh/h)		916													386	
v/c Ratio		0.02													0.22	
95% Queue Length, Q_{95} (veh)		0.1													0.8	
Control Delay (s/veh)		9.0													16.9	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.6												16.9		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

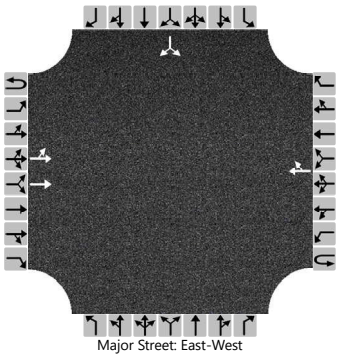
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2021
Time Analyzed	Existing + Project - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		19	366				566	30						35		54
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		21													100	
Capacity, c (veh/h)		910													360	
v/c Ratio		0.02													0.28	
95% Queue Length, Q_{95} (veh)		0.1													1.1	
Control Delay (s/veh)		9.1													18.8	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.6												18.8		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

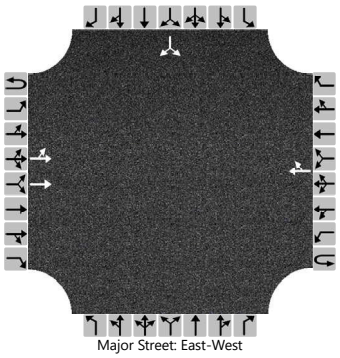
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2026
Time Analyzed	Future - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		20	385				595	24						22		57
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		22													89	
Capacity, c (veh/h)		890													366	
v/c Ratio		0.03													0.24	
95% Queue Length, Q_{95} (veh)		0.1													0.9	
Control Delay (s/veh)		9.2													18.0	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.6												18.0		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

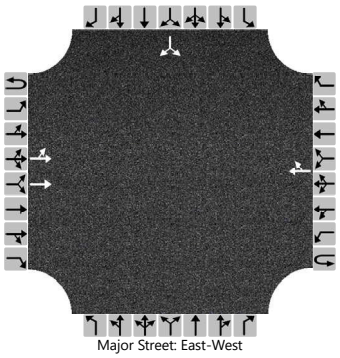
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2026
Time Analyzed	Future + Project - AM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.89
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		20	385				595	31						36		57
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		22													104	
Capacity, c (veh/h)		883													340	
v/c Ratio		0.03													0.31	
95% Queue Length, Q_{95} (veh)		0.1													1.3	
Control Delay (s/veh)		9.2													20.2	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.6												20.2		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

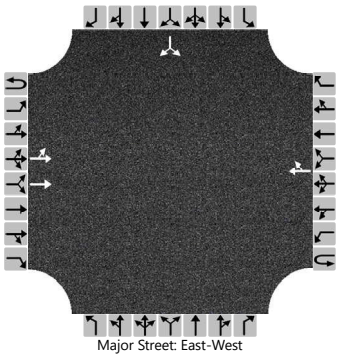
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2021
Time Analyzed	Existing - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		32	498				460	31						14		36
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		35													54	
Capacity, c (veh/h)		1023													435	
v/c Ratio		0.03													0.12	
95% Queue Length, Q_{95} (veh)		0.1													0.4	
Control Delay (s/veh)		8.6													14.5	
Level of Service (LOS)		A													B	
Approach Delay (s/veh)		0.7												14.5		
Approach LOS														B		

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HCS7 Two-Way Stop-Control Report

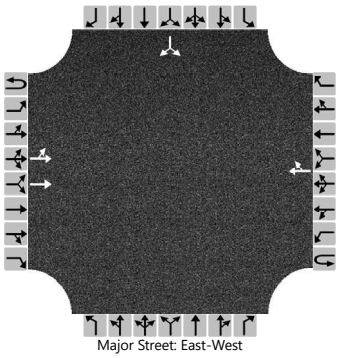
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2021
Time Analyzed	Existing + Project - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		32	498				460	44						22		36
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		35													63	
Capacity, c (veh/h)		1011													400	
v/c Ratio		0.03													0.16	
95% Queue Length, Q_{95} (veh)		0.1													0.6	
Control Delay (s/veh)		8.7													15.7	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.7												15.7		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

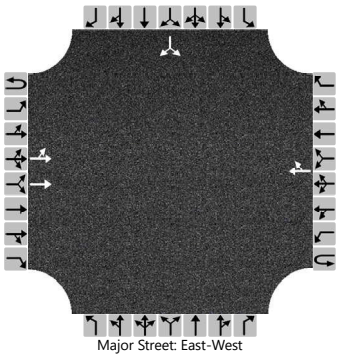
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/12/2021
Analysis Year	2026
Time Analyzed	Future - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		34	523				483	33						15		38
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage			Undivided													

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		37													58	
Capacity, c (veh/h)		1000													412	
v/c Ratio		0.04													0.14	
95% Queue Length, Q_{95} (veh)		0.1													0.5	
Control Delay (s/veh)		8.7													15.1	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.7												15.1		
Approach LOS														C		

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HCS7 Two-Way Stop-Control Report

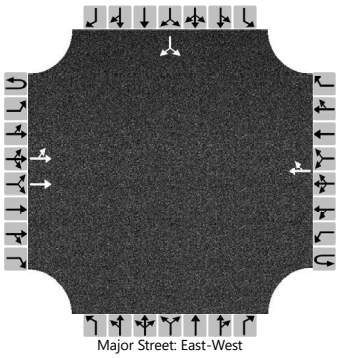
General Information

Analyst	JAS
Agency/Co.	Linscott, Law & Greenspan
Date Performed	10/27/2021
Analysis Year	2026
Time Analyzed	Future + Project - PM
Intersection Orientation	East-West
Project Description	1280 PCH

Site Information

Intersection	Frampton / Anaheim
Jurisdiction	City of Los Angeles
East/West Street	Anaheim Street
North/South Street	Frampton Avenue
Peak Hour Factor	0.92
Analysis Time Period (hrs)	0.25

Lanes



Vehicle Volumes and Adjustments

Approach	Eastbound				Westbound				Northbound				Southbound			
Movement	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	0	1	0		0	0	0		0	1	0
Configuration		LT	T					TR							LR	
Volume (veh/h)		34	523				483	46						23		38
Percent Heavy Vehicles (%)		3												3		3
Proportion Time Blocked																
Percent Grade (%)														0		
Right Turn Channelized																
Median Type | Storage		Undivided														

Critical and Follow-up Headways

Base Critical Headway (sec)		4.1												7.5		6.2
Critical Headway (sec)		4.16												6.86		6.26
Base Follow-Up Headway (sec)		2.2												3.5		3.3
Follow-Up Headway (sec)		2.23												3.53		3.33

Delay, Queue Length, and Level of Service

Flow Rate, v (veh/h)		37													66	
Capacity, c (veh/h)		987													379	
v/c Ratio		0.04													0.17	
95% Queue Length, Q_{95} (veh)		0.1													0.6	
Control Delay (s/veh)		8.8													16.5	
Level of Service (LOS)		A													C	
Approach Delay (s/veh)		0.7												16.5		
Approach LOS														C		

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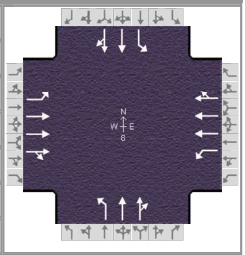
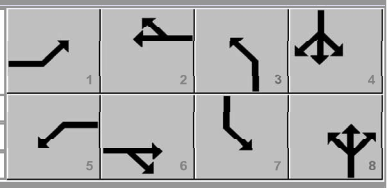
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Sep 9, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing - AM	PHF	0.98
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Normandie/PCH	File Name	07AM - Existing.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	186	1520	121	159	1621	150	155	375	64	153	276	131

Signal Information												
Cycle, s	120.0	Reference Phase	2									
Offset, s	0	Reference Point	End									
Uncoordinated	No	Simult. Gap E/W	On	Green	13.6	40.1	11.9	29.7	0.0	0.0		
Force Mode	Fixed	Simult. Gap N/S	On	Yellow	3.6	4.4	4.3	4.8	0.0	0.0		
				Red	2.8	1.5	1.8	1.5	0.0	0.0		



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	14.5		12.5		9.5	14.5	9.4	14.0
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.1	4.5	0.1	4.6
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.23	1.00	0.21

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	190	1131	544	162	1222	585	158	228	220	156	216	200
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1825	1810	1900	1815	1810	1900	1804	1810	1900	1696
Queue Service Time (g_s), s	12.5	33.9	33.9	10.5	37.9	38.0	7.5	12.3	12.5	7.4	11.6	12.0
Cycle Queue Clearance Time (g_c), s	12.5	33.9	33.9	10.5	37.9	38.0	7.5	12.3	12.5	7.4	11.6	12.0
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	610	204	1270	606	385	470	446	362	470	420
Volume-to-Capacity Ratio (*X*)	0.925	0.891	0.891	0.797	0.962	0.965	0.411	0.485	0.492	0.431	0.459	0.476
Back of Queue (*Q*), ft/ln (95 th percentile)	316.7	595.9	617.3	244.5	692.3	722.4	145.1	240.4	234.1	146.5	233.9	221.5
Back of Queue (*Q*), veh/ln (95 th percentile)	12.7	23.8	24.7	9.8	27.7	28.9	5.8	9.6	9.4	5.9	9.4	8.9
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	52.7	37.9	37.9	51.9	39.2	39.3	28.8	38.6	38.7	29.0	38.3	38.5
Incremental Delay (d_2), s/veh	42.5	9.6	17.8	19.5	17.7	28.9	0.7	1.0	1.1	0.8	1.2	1.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	95.2	47.5	55.6	71.4	56.9	68.1	29.5	39.6	39.8	29.8	39.6	40.0
Level of Service (LOS)	F	D	E	E	E	E	C	D	D	C	D	D
Approach Delay, s/veh / LOS	54.7	D		61.4	E		37.0	D		37.1	D	
Intersection Delay, s/veh / LOS	53.2						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.51	B	1.57	B	0.99	A	0.96	A

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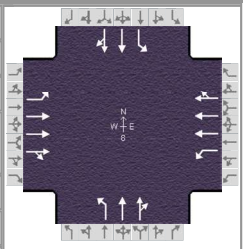
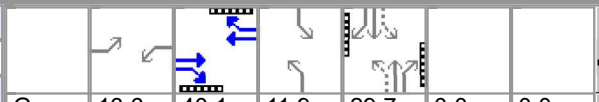
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 27, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing with Project - AM	PHF	0.98
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 7:15
Intersection	Normandie/PCH	File Name	07AM - Existing with Project.xus		
Project Description	1280 PCH				

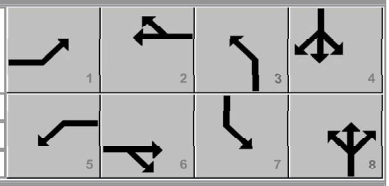


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	199	1548	121	159	1633	150	155	375	64	153	276	137

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	15.4		12.5		9.5	14.5	9.4	14.3
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.1	4.6	0.1	4.6
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.23	1.00	0.22

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	203	1150	553	162	1230	589	158	228	220	156	219	202
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1827	1810	1900	1815	1810	1900	1804	1810	1900	1690
Queue Service Time (g_s), s	13.4	34.7	34.7	10.5	38.2	38.4	7.5	12.3	12.5	7.4	11.8	12.3
Cycle Queue Clearance Time (g_c), s	13.4	34.7	34.7	10.5	38.2	38.4	7.5	12.3	12.5	7.4	11.8	12.3
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	610	204	1270	607	382	470	446	362	470	418
Volume-to-Capacity Ratio (*X*)	0.990	0.905	0.906	0.797	0.969	0.971	0.414	0.485	0.492	0.431	0.466	0.483
Back of Queue (*Q*), ft/ln (95 th percentile)	362.5	613.2	637.3	244.5	702.8	734.2	145.2	240.4	234.1	146.5	237.4	224.3
Back of Queue (*Q*), veh/ln (95 th percentile)	14.5	24.5	25.5	9.8	28.1	29.4	5.8	9.6	9.4	5.9	9.5	9.0
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	53.1	38.1	38.2	51.9	39.3	39.4	28.8	38.6	38.7	29.0	38.4	38.6
Incremental Delay (d_2), s/veh	59.9	10.8	19.5	19.5	18.8	30.2	0.7	1.0	1.1	0.8	1.3	1.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	113.0	49.0	57.7	71.4	58.1	69.5	29.5	39.6	39.8	29.8	39.7	40.1
Level of Service (LOS)	F	D	E	E	E	E	C	D	D	C	D	D
Approach Delay, s/veh / LOS	58.3	E		62.6	E		37.0	D		37.2	D	
Intersection Delay, s/veh / LOS	55.0						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.54	B	1.58	B	0.99	A	0.96	A

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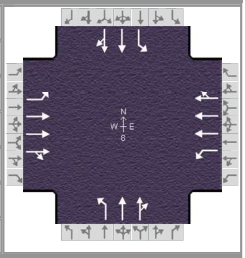
HCS7 Signalized Intersection Results Summary

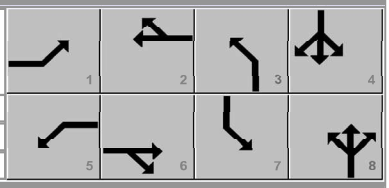
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Sep 9, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future - AM	PHF	0.98
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 7:15
Intersection	Normandie/PCH	File Name	07AM - Future.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	195	1602	127	167	1721	162	163	394	67	162	290	138

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	15.1		13.1		9.9	15.2	9.9	14.7
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.1	4.7	0.1	4.7
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.28	1.00	0.26

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	199	1191	573	170	1299	623	166	240	231	165	227	210
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1826	1810	1900	1813	1810	1900	1804	1810	1900	1695
Queue Service Time (g_s), s	13.1	36.5	36.6	11.1	40.1	40.1	7.9	13.0	13.2	7.9	12.3	12.7
Cycle Queue Clearance Time (g_c), s	13.1	36.5	36.6	11.1	40.1	40.1	7.9	13.0	13.2	7.9	12.3	12.7
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	610	204	1270	606	376	470	446	354	470	420
Volume-to-Capacity Ratio (*X*)	0.970	0.938	0.940	0.837	1.023	1.027	0.442	0.510	0.517	0.467	0.483	0.499
Back of Queue (*Q*), ft/ln (95 th percentile)	347.7	655.1	684.8	264	804	837.4	153.7	252.1	245.2	156.3	245.3	231.7
Back of Queue (*Q*), veh/ln (95 th percentile)	13.9	26.2	27.4	10.6	32.2	33.5	6.1	10.1	9.8	6.3	9.8	9.3
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	53.0	38.7	38.8	52.2	40.0	40.0	29.0	38.9	39.0	29.3	38.6	38.8
Incremental Delay (d_2), s/veh	54.1	14.2	24.2	25.2	31.2	43.8	0.8	1.2	1.3	1.0	1.4	1.6
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	107.1	52.9	63.0	77.4	71.1	83.7	29.8	40.0	40.3	30.2	40.0	40.4
Level of Service (LOS)	F	D	E	E	F	F	C	D	D	C	D	D
Approach Delay, s/veh / LOS	61.4	E		75.4	E		37.5	D		37.5	D	
Intersection Delay, s/veh / LOS	61.3						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.57	B	1.64	B	1.01	A	0.98	A

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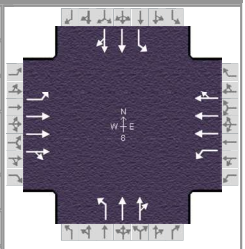
HCS7 Signalized Intersection Results Summary

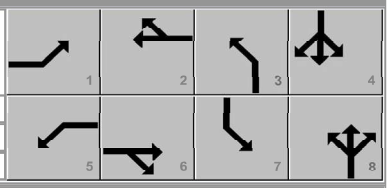
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 27, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future with Project - AM	PHF	0.98
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 7:15
Intersection	Normandie/PCH	File Name	07AM - Future with Project.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	208	1630	127	167	1733	162	163	394	67	162	290	144

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	15.6		13.1		9.9	15.2	9.9	15.0
Green Extension Time (g_e), s	0.0	0.0	0.0	0.0	0.1	4.7	0.1	4.7
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		1.00		1.00	0.28	1.00	0.27

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	212	1210	583	170	1307	627	166	240	231	165	231	212
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1827	1810	1900	1814	1810	1900	1804	1810	1900	1689
Queue Service Time (g_s), s	13.6	37.3	37.4	11.1	40.1	40.1	7.9	13.0	13.2	7.9	12.5	13.0
Cycle Queue Clearance Time (g_c), s	13.6	37.3	37.4	11.1	40.1	40.1	7.9	13.0	13.2	7.9	12.5	13.0
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	610	204	1270	606	374	470	446	354	470	418
Volume-to-Capacity Ratio (*X*)	1.035	0.953	0.955	0.837	1.029	1.034	0.445	0.510	0.517	0.467	0.491	0.507
Back of Queue (*Q*), ft/ln (95 th percentile)	392.6	677	709.1	264	817	850.6	153.8	252.1	245.2	156.3	248.9	234.6
Back of Queue (*Q*), veh/ln (95 th percentile)	15.7	27.1	28.4	10.6	32.7	34.0	6.2	10.1	9.8	6.3	10.0	9.4
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	53.2	39.0	39.1	52.2	40.0	40.0	29.1	38.9	39.0	29.3	38.7	38.9
Incremental Delay (d_2), s/veh	72.3	16.2	26.8	25.2	33.0	45.6	0.8	1.2	1.3	1.0	1.4	1.7
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	125.5	55.3	65.9	77.4	73.0	85.6	29.9	40.0	40.3	30.2	40.1	40.6
Level of Service (LOS)	F	E	E	E	F	F	C	D	D	C	D	D
Approach Delay, s/veh / LOS	65.8	E		77.1	E		37.5	D		37.6	D	
Intersection Delay, s/veh / LOS	63.7						E					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.59	B	1.64	B	1.01	A	0.99	A

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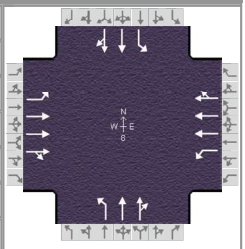
HCS7 Signalized Intersection Results Summary

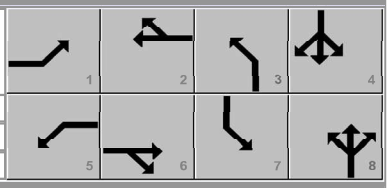
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Sep 9, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing - PM	PHF	0.97
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 16:45
Intersection	Normandie/PCH	File Name	07PM - Existing.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	138	1519	96	100	1374	108	155	331	186	180	306	192

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	11.1		8.4		9.6	18.1	10.9	17.5
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	4.9	0.1	5.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		0.41		1.00	0.50	1.00	0.47

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	142	1122	543	103	1032	496	160	280	253	186	271	243
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1840	1810	1900	1826	1810	1900	1672	1810	1900	1657
Queue Service Time (g_s), s	9.1	33.5	33.5	6.4	29.8	29.8	7.6	15.6	16.1	8.9	15.0	15.5
Cycle Queue Clearance Time (g_c), s	9.1	33.5	33.5	6.4	29.8	29.8	7.6	15.6	16.1	8.9	15.0	15.5
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	615	204	1270	610	346	470	414	327	470	410
Volume-to-Capacity Ratio (*X*)	0.694	0.883	0.884	0.506	0.813	0.813	0.462	0.596	0.611	0.568	0.575	0.592
Back of Queue (*Q*), ft/ln (95 th percentile)	204.1	587.6	611.3	135.5	519.5	530.9	147.6	295.9	275.2	182.3	291.6	270.4
Back of Queue (*Q*), veh/ln (95 th percentile)	8.2	23.5	24.5	5.4	20.8	21.2	5.9	11.8	11.0	7.3	11.7	10.8
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	51.2	37.7	37.7	50.1	36.5	36.5	29.3	39.9	40.0	30.2	39.6	39.8
Incremental Delay (d_2), s/veh	9.7	9.1	16.8	2.0	5.8	11.3	1.0	2.3	2.9	2.3	2.5	3.1
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	60.9	46.9	54.6	52.1	42.3	47.8	30.3	42.2	43.0	32.5	42.1	42.9
Level of Service (LOS)	E	D	D	D	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	50.3	D		44.6	D		39.7	D		39.8	D	
Intersection Delay, s/veh / LOS	45.3						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.48	A	1.38	A	1.06	A	1.06	A

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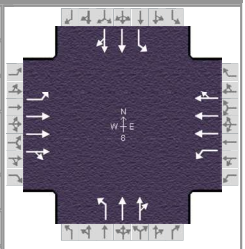
HCS7 Signalized Intersection Results Summary

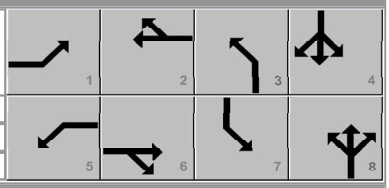
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 27, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Existing with Project - PM	PHF	0.97
Urban Street	Pacific Coast Highway	Analysis Year	2021	Analysis Period	1> 16:45
Intersection	Normandie/PCH	File Name	07PM - Existing with Project.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	146	1536	96	100	1399	108	155	331	186	180	306	204

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.3	4.1	5.3
Queue Clearance Time (g_s), s	11.7		8.4		9.6	18.1	10.9	18.0
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	5.0	0.1	5.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		0.41		1.00	0.50	1.00	0.50

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	151	1133	549	103	1049	505	160	280	253	186	278	248
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1840	1810	1900	1827	1810	1900	1672	1810	1900	1648
Queue Service Time (g_s), s	9.7	34.0	34.0	6.4	30.5	30.5	7.6	15.6	16.1	8.9	15.5	16.0
Cycle Queue Clearance Time (g_c), s	9.7	34.0	34.0	6.4	30.5	30.5	7.6	15.6	16.1	8.9	15.5	16.0
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	615	204	1270	611	341	470	414	327	470	408
Volume-to-Capacity Ratio (*X*)	0.734	0.892	0.893	0.506	0.826	0.826	0.468	0.596	0.611	0.568	0.591	0.608
Back of Queue (*Q*), ft/ln (95 th percentile)	218.9	597.6	623.4	135.5	531.1	544.7	147.7	295.9	275.2	182.3	299.8	277.1
Back of Queue (*Q*), veh/ln (95 th percentile)	8.8	23.9	24.9	5.4	21.2	21.8	5.9	11.8	11.0	7.3	12.0	11.1
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	51.5	37.9	37.9	50.1	36.7	36.7	29.4	39.9	40.0	30.2	39.8	40.0
Incremental Delay (d_2), s/veh	12.8	9.8	17.8	2.0	6.2	12.1	1.0	2.3	2.9	2.3	2.7	3.5
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	64.2	47.7	55.8	52.1	43.0	48.9	30.4	42.2	43.0	32.5	42.5	43.5
Level of Service (LOS)	E	D	E	D	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	51.5	D		45.3	D		39.7	D		40.2	D	
Intersection Delay, s/veh / LOS	46.1						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.50	A	1.40	A	1.06	A	1.07	A

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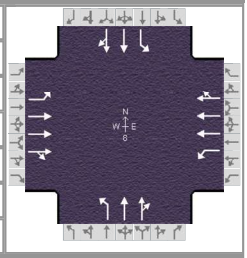
HCS7 Signalized Intersection Results Summary

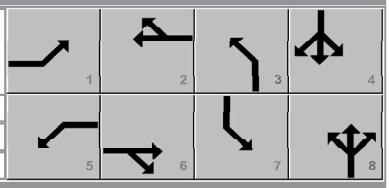
General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Sep 10, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future - PM	PHF	0.97
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 16:45
Intersection	Normandie/PCH	File Name	07PM - Future.xus		
Project Description	1280 PCH				



Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	145	1612	101	105	1453	116	163	348	195	193	322	202

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On

Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.2	4.1	5.2
Queue Clearance Time (g_s), s	11.6		8.8		10.0	19.0	11.7	18.4
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	4.9	0.0	5.1
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		0.57		1.00	0.57	1.00	0.54

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	149	1189	577	108	1093	525	168	295	265	199	285	255
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1840	1810	1900	1825	1810	1900	1672	1810	1900	1657
Queue Service Time (g_s), s	9.6	36.4	36.5	6.8	32.2	32.3	8.0	16.6	17.0	9.7	15.9	16.4
Cycle Queue Clearance Time (g_c), s	9.6	36.4	36.5	6.8	32.2	32.3	8.0	16.6	17.0	9.7	15.9	16.4
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	615	204	1270	610	337	470	414	318	470	410
Volume-to-Capacity Ratio (*X*)	0.729	0.937	0.938	0.532	0.860	0.861	0.499	0.627	0.641	0.626	0.606	0.622
Back of Queue (*Q*), ft/ln (95 th percentile)	217	653	686.1	143.9	564	580.8	156.5	312.4	290	199.1	308.1	285.1
Back of Queue (*Q*), veh/ln (95 th percentile)	8.7	26.1	27.4	5.8	22.6	23.2	6.3	12.5	11.6	8.0	12.3	11.4
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	51.4	38.7	38.7	50.3	37.3	37.3	29.6	40.2	40.4	30.7	40.0	40.2
Incremental Delay (d_2), s/veh	12.3	14.0	23.8	2.6	7.8	14.8	1.1	2.9	3.7	3.8	3.0	3.8
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	63.7	52.7	62.6	52.9	45.1	52.1	30.8	43.1	44.0	34.5	43.0	43.9
Level of Service (LOS)	E	D	E	D	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	56.6	E		47.7	D		40.6	D		41.0	D	
Intersection Delay, s/veh / LOS	49.1						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.54	B	1.44	A	1.09	A	1.10	A

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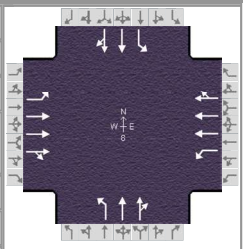
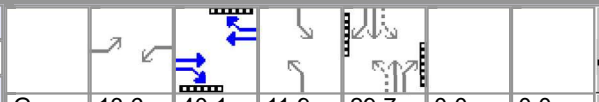
HCS7 Signalized Intersection Results Summary

General Information				Intersection Information	
Agency	Linscott, Law & Greenspan, Engineers			Duration, h	0.250
Analyst	JAS	Analysis Date	Oct 27, 2021	Area Type	Other
Jurisdiction	City of Los Angeles	Time Period	Future with Project - PM	PHF	0.97
Urban Street	Pacific Coast Highway	Analysis Year	2026	Analysis Period	1> 16:45
Intersection	Normandie/PCH	File Name	07PM - Future with Project.xus		
Project Description	1280 PCH				

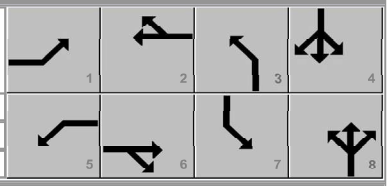


Demand Information	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Demand (*v*), veh/h	153	1629	101	105	1478	116	163	348	195	193	322	214

Signal Information			
Cycle, s	120.0	Reference Phase	2
Offset, s	0	Reference Point	End
Uncoordinated	No	Simult. Gap E/W	On
Force Mode	Fixed	Simult. Gap N/S	On



Green	13.6	40.1	11.9	29.7	0.0	0.0
Yellow	3.6	4.4	4.3	4.8	0.0	0.0
Red	2.8	1.5	1.8	1.5	0.0	0.0



Timer Results	EBL	EBT	WBL	WBT	NBL	NBT	SBL	SBT
Assigned Phase	1	6	5	2	3	8	7	4
Case Number	2.0	4.0	2.0	4.0	1.1	4.0	1.1	4.0
Phase Duration, s	20.0	46.0	20.0	46.0	18.0	36.0	18.0	36.0
Change Period, ($Y+R_c$), s	6.4	5.9	6.5	5.9	6.1	6.3	6.0	6.3
Max Allow Headway (*MAH*), s	4.1	0.0	4.1	0.0	4.0	5.3	4.1	5.3
Queue Clearance Time (g_s), s	12.2		8.8		10.0	19.0	11.7	18.9
Green Extension Time (g_e), s	0.1	0.0	0.1	0.0	0.1	5.0	0.0	5.0
Phase Call Probability	1.00		1.00		1.00	1.00	1.00	1.00
Max Out Probability	1.00		0.57		1.00	0.58	1.00	0.58

Movement Group Results	EB			WB			NB			SB		
Approach Movement	L	T	R	L	T	R	L	T	R	L	T	R
Assigned Movement	1	6	16	5	2	12	3	8	18	7	4	14
Adjusted Flow Rate (*v*), veh/h	158	1201	583	108	1110	534	168	295	265	199	292	260
Adjusted Saturation Flow Rate (*s*), veh/h/ln	1810	1900	1841	1810	1900	1826	1810	1900	1672	1810	1900	1648
Queue Service Time (g_s), s	10.2	36.9	37.0	6.8	33.0	33.0	8.0	16.6	17.0	9.7	16.4	16.9
Cycle Queue Clearance Time (g_c), s	10.2	36.9	37.0	6.8	33.0	33.0	8.0	16.6	17.0	9.7	16.4	16.9
Green Ratio (*g/C*)	0.11	0.33	0.33	0.11	0.33	0.33	0.35	0.25	0.25	0.35	0.25	0.25
Capacity (*c*), veh/h	205	1270	615	204	1270	610	332	470	414	318	470	408
Volume-to-Capacity Ratio (*X*)	0.769	0.946	0.947	0.532	0.874	0.874	0.506	0.627	0.641	0.626	0.622	0.638
Back of Queue (*Q*), ft/ln (95 th percentile)	233.2	666.4	701.1	143.9	577.7	596.8	156.8	312.4	290	199.1	316.6	292
Back of Queue (*Q*), veh/ln (95 th percentile)	9.3	26.7	28.0	5.8	23.1	23.9	6.3	12.5	11.6	8.0	12.7	11.7
Queue Storage Ratio (*RQ*) (95 th percentile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uniform Delay (d_1), s/veh	51.7	38.9	38.9	50.3	37.6	37.6	29.7	40.2	40.4	30.7	40.2	40.3
Incremental Delay (d_2), s/veh	16.1	15.2	25.4	2.6	8.5	16.0	1.2	2.9	3.7	3.8	3.3	4.2
Initial Queue Delay (d_3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Control Delay (*d*), s/veh	67.8	54.1	64.3	52.9	46.1	53.6	31.0	43.1	44.0	34.5	43.5	44.5
Level of Service (LOS)	E	D	E	D	D	D	C	D	D	C	D	D
Approach Delay, s/veh / LOS	58.3	E		48.8	D		40.6	D		41.5	D	
Intersection Delay, s/veh / LOS	50.1						D					

Multimodal Results	EB		WB		NB		SB	
Pedestrian LOS Score / LOS	2.31	B	2.31	B	2.61	C	2.61	C
Bicycle LOS Score / LOS	1.56	B	1.45	A	1.09	A	1.11	A

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Attachment K

LADOT Assessment Letter

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FORM GEN. 160A (Rev. 1/82)

CITY OF LOS ANGELES

INTER-DEPARTMENTAL CORRESPONDENCE

1268-1290 W. Pacific Coast Highway and 25900 Frampton Avenue
DOT Case No. HRB21-111596 (51825)

Date: March 24, 2022

To: Susan Jimenez, Administrative Clerk
Department of City Planning

Robert Sanchez (Mar 24, 2022 16:[illegible] PDT)

From: Robert Sanchez, Transportation Engineer
Department of Transportation

Subject: **TRANSPORTATION ASSESSMENT FOR THE PROPOSED MIXED-USED PROJECT "1280 PCH PROJECT" LOCATED AT 1268-1290 W. PACIFIC COAST HIGHWAY AND 25900 S. FRAMPTON AVENUE (CPC-2021-9522-DB-VCU-CU-SPR-HCA)**

The Department of Transportation (DOT) has reviewed the transportation analysis prepared by Linscott, Law & Greenspan, Engineers., dated December 2021, with subsequent revisions dated February 2022, for the proposed project located at 1269-1290 W. Pacific Coast Highway and 25900 S. Frampton Avenue. In compliance with Senate Bill (SB) 743 and the California Environmental Quality Act (CEQA), a vehicle miles traveled (VMT) analysis is required to identify the project's ability to promote the reduction of green-house gas emissions, access to diverse land uses, and the development of multi-modal networks. The significance of a project's impact in this regard is measured against the VMT thresholds established in DOT's Transportation Assessment Guidelines (TAG), as described below.

DISCUSSION AND FINDINGS

A. Project Description

The Project proposes to construct a new mixed-use development consisting of 312 market-rate apartment units, 42 affordable housing dwelling units and 1,500 square feet of high-turnover (sit-down) restaurant. The Project site is comprised of 3.70 acres and is located within the Wilmington-Harbor City Community Plan area. Existing on the project site is a mobile home park with 42 dwelling units and a vacant lot. Parking for the project will be provided within a six-level above-grade parking garage and the project proposed to provide 575 parking spaces. Vehicular access to the project site will be provided by one driveway along the east side of Frampton Avenue. The new driveway will accommodate for full vehicular access, such as left-turn and right-turn ingress and egress directions. An additional driveway at the terminus of 259th street, at the southeasterly portion of the project site will be designated for loading. The existing driveways along Pacific Coast Highway and Frampton Avenue will be closed. The project is expected to be completed by 2026. The project's site plan is shown in Figure 1, **Attachment A** to this report.

B. Trip Generation

The project is expected to potentially generate a net increase of 1,906 new daily vehicle trips, a net increase of 126 new AM peak hour trips (38 inbound and 88 outbound), and a net increase of 134 new PM peak hour trips (81 inbound and 53 outbound). A copy of the proposed weekday AM and PM peak hour trip generation table can be found in Table 2-1, **Attachment B** to this

report. The weekday AM and PM peak hour trip generation estimates are based on rates published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 10th Edition, 2017.

C. Freeway Safety (Caltrans) Analysis

Per the interim guideline for Freeway Safety Analysis memorandum issued by DOT on May 1, 2020 to address Caltrans safety concerns on freeways, the study addresses the project's effects on vehicle queueing on freeway off-ramps. Such an evaluation measures the project's potential to lengthen a forecasted off-ramp queue and create speed differentials between vehicles exiting the freeway off-ramp and vehicles operating on the freeway mainline.
The evaluation included in the latest revised February 2022 assessment identified the number of project trips expected to be added to nearby freeway off-ramps serving the project site. It was determined that project traffic at any of the freeway off-ramps will not exceed 25 peak hour trips. Therefore, a freeway ramp analysis is not required.

D. CEQA Screening Threshold

Prior to accounting for trip reductions resulting from the application of Transportation Demand Management (TDM) Strategies, a trip generation analysis was conducted to determine if the project would exceed 250 daily vehicle trips screening threshold. Using the City of Los Angeles VMT Calculator tool, which draws upon trip rate estimates published in the Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition as well as applying trip generation adjustments when applicable, based on sociodemographic data and the built environment factors of the project's surroundings, it was determined that the project **does** exceed the net 250 daily vehicle trips threshold. The VMT calculator version 1.3 was the latest VMT calculator available at the time the analysis was submitted and accepted by DOT. A copy of the VMT calculator screening pages, with the corresponding net daily trips estimate, are provided as **Attachment C** to this report.

E. Transportation Impacts

On July 30, 2019, pursuant to SB 743 and the recent changes to Section 15064.3 of the State's CEQA Guidelines, the City of Los Angeles adopted VMT as a criteria in determining transportation impacts under CEQA. The new DOT Transportation Assessment Guidelines (TAG) provides instructions on preparing transportation assessments for land use proposals and defines the significant impact thresholds.

The DOT VMT Calculator tool measures project impact in terms of Household VMT per Capita, and Work VMT per Employee. DOT identified distinct thresholds for significant VMT impacts for each of the seven Area Planning Commission (APC) areas in the City. For the Harbor APC area, in which the project is located, the following thresholds have been established:

- Household VMT per Capita: 9.2
- Work VMT per Employee: 12.3

The project has proposed to use the following TDM strategy as a Project Design Feature:

- Bicycle Parking per the Los Angeles Municipal Code (LAMC)

As cited in the VMT Analysis report, prepared by Linscott, Law &Greenspan, Engineers, the Work VMT per employee is not applicable since the project's restaurant component of 1,500 square feet is considered a local-serving retail use. However, the Household VMT per capita is applicable but remains under the threshold at 7.1 Household VMT per Capita. The project's Household VMT per Capita does not exceed the Harbor APC area threshold thus the project is not expected to result in a significant VMT impact. A copy of the VMT Calculator summary report is provided as **Attachment D** to this report.

F. Access and Circulation

During the preparation of the new CEQA guidelines, the State's Office of Planning and Research stressed that lead agencies can continue to apply traditional operational analysis requirements to inform land use decisions provided that such analyses were outside of the CEQA process. The authority for requiring non-CEQA transportation analysis and requiring improvements to address potential circulation deficiencies, lies in the City of Los Angeles' Site Plan Review authority as established in Section 16.05 of the LAMC. Therefore, DOT continues to require and review a project's site access, circulation, and operational plan to determine if any access enhancements, transit amenities, intersection improvements, traffic signal upgrades, neighborhood traffic calming, or other improvements are needed.

In accordance with this authority, the Project has completed a circulation analysis using a "level of service" screening methodology that indicates that the trips generated by the proposed development will not result in adverse circulation conditions at any of the studied locations and will not cause or extend vehicle queuing that exceeds the TAG thresholds. DOT has reviewed this analysis and determined that it adequately discloses operational concerns. A copy of the circulation analysis table (Table 6-2) that summarizes these potential deficiencies is shown as, **Attachment E**.

PROJECT REQUIREMENTS

To comply with transportation and mobility goals and provisions of adopted City plans and ordinances, the applicant should be required to implement the following:

1. Parking Requirements

The project is proposing to provide an overall total of 575 vehicle parking spaces to accommodate the LAMC parking requirements. Also, the project will be providing 181 bicycle parking spaces (17 short-term and 164 long-term) per LAMC requirements. The parking for vehicles and bicycles will be provided onsite. The applicant should check with the Department of Building and Safety on the number of Code-required parking spaces needed for this project.

2. Highway Dedication and Street Widening Requirements

In order to mitigate potential access and circulation impacts, the applicant may be required to make highway dedications and improvements. The applicant shall consult the Bureau of Engineering (BOE) for any highway dedication or street widening requirements. These requirements must be guaranteed before the issuance of any building permit through the B-permit process of the BOE. They must be constructed and

completed prior to the issuance of any certificate of occupancy to the satisfaction of DOT and BOE.

3. Project Access and Circulation
The proposed site plan is acceptable to DOT; however, review of the study does not constitute approval of the driveway dimensions and internal circulation schemes. Those require separate review and approval and should be coordinated with DOT's West LA/Coastal Development Review Section (7166 W Manchester Ave, @ 213-485-1062). In order to minimize potential building design changes, the applicant should contact DOT for driveway width and internal circulation requirements so that such traffic flow considerations are designed and incorporated early into the building and parking layout plans. All new driveways should be Case 2 driveways and any security gates should be a minimum of 20 feet from the property line. All truck loading and unloading should take place on site with no vehicles backing into the project from public streets via any of the project driveways. The applicant should also check with The Department of City Planning regarding the project's driveway placement and design.

4. Worksite Traffic Control Requirements
DOT recommends that a construction work site traffic control plan be submitted to DOT's Citywide Temporary Traffic Control Section or Permit Plan Review Section for review and approval prior to the start of any construction work. Refer to http://ladot.lacity.org/what-we-do/plan-review to determine which section to coordinate review of the work site traffic control plan. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs and access to abutting properties. DOT also recommends that all construction related truck traffic be restricted to off-peak hours to the extent feasible.

5. Development Review Fees
Section 19.15 of the LAMC identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any applicable fees per this ordinance.

If you have any questions, please contact me, or Valeria Ceja at (213) 485-1062.

Attachments

c: Jacob Haik, Aksel Palacios, Council District No. 15
David Weintraub, DCP
Roy Kim, Quan Tran, DOT
Crystal Lee, BOE
Jason Shender, Linscott, Law &Greenspan Engineers.

Attachment L

ZIMAS Parcel Profile Report

City of Los Angeles
Department of City Planning

7/14/2025
PARCEL PROFILE REPORT

PROPERTY ADDRESSES

1268 W PACIFIC COAST HWY

ZIP CODES

90710

RECENT ACTIVITY

PAR-2021-5484-AHRF

AA-2019-5528-MPC

CASE NUMBERS

CPC-2021-9522-DB-VCU-CU-SPR-HCA

CPC-2018-6402-CPU

CPC-2007-5738-ICO

CPC-2005-8252-CA

CPC-1997-50-CPU

CPC-1986-833-GPC

ORD-187552

ORD-172853-SA22B

ORD-172853-SA22A

ORD-167215

ORD-166001

ORD-164960

ORD-163420

ORD-162741

ENV-2021-9523-HES-PEIR

ENV-2019-3379-EIR

ENV-2017-2502-CE

ENV-2007-5739-ND

ENV-2005-8253-ND

Address/Legal Information	
PIN Number	033B197 18
Lot/Parcel Area (Calculated)	35,722.0 (sq ft)
Thomas Brothers Grid	PAGE 794 - GRID A5
Assessor Parcel No. (APN)	7411019020
Tract	PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO
Map Reference	D C C 2373 RF 141 MAP 4547
Block	10
Lot	PT
Arb (Lot Cut Reference)	67
Map Sheet	033B197
Jurisdictional Information	
Community Plan Area	Wilmington - Harbor City
Area Planning Commission	Harbor APC
Neighborhood Council	Harbor City
Council District	CD 15 - Tim McOsker
Census Tract #	2944.21000000
LADBS District Office	San Pedro
Permitting and Zoning Compliance Information	
Administrative Review	None
Planning and Zoning Information	
Special Notes	None
Zoning	[Q]C2-1VL
	[Q]CM-1VL
Zoning Information (ZI)	ZI-2514 Wilmington-Harbor Trucking Related Uses
	ZI-2452 Transit Priority Area in the City of Los Angeles
	ZI-2498 Local Emergency Temporary Regulations - Time Limits and Parking Relief - LAMC 16.02.1
	ZI-2130 State Enterprise Zone: Harbor Gateway
General Plan Land Use	Community Commercial
	Limited Manufacturing
General Plan Note(s)	Yes
Minimum Density Requirement	Yes (Citywide)
Hillside Area (Zoning Code)	No
Specific Plan Area	None
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
HistoricPlacesLA	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CPIO Historic Preservation Review	No
CUGU: Clean Up-Green Up	None

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HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RBP: Restaurant Beverage Program Eligible Area	General (RBPA)
ASP: Alcohol Sales Program	No
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
AB 2334: Low Vehicle Travel Area	Yes
AB 2097: Within a half mile of a Major Transit Stop	Yes
Streetscape	No
Adaptive Reuse Incentive Area	None
Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Low
Inclusionary Housing	No
Local Affordable Housing Incentive	No
Targeted Planting	No
Special Lot Line	No
Transit Oriented Communities (TOC)	Tier 2
Mixed Income Incentive Programs	
Transit Oriented Incentive Area (TOIA)	Not Eligible
Opportunity Corridors Incentive Area	Not Eligible
Corridor Transition Incentive Area	Not Eligible
TCAC Opportunity Area	Low
High Quality Transit Corridor (within 1/2 mile)	Yes
ED 1 Eligibility	Review Eligibility
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	None
500 Ft Park Zone	None
Zanja System 1 Mile Buffer	No
Assessor Information	
Assessor Parcel No. (APN)	7411019020
Ownership (Assessor)	
Owner1	ROI 1280 LLC c/o C/O ALEX WONG
Address	4199 CAMPUS DR IRVINE CA 92612
Ownership (Bureau of Engineering, Land Records)	
Owner	PENN EQUITIES, LLC C/O H. SEAN DAYANI
Address	8425 W THIRD STREET #203 LOS ANGELES CA 90048
APN Area (Co. Public Works)*	0.820 (ac)
Use Code	3800 - Industrial - Parking Lot (Industrial Use Property) - One Story
Assessed Land Val.	$521,227
Assessed Improvement Val.	$5,576
Last Owner Change	05/01/2019
Last Sale Amount	$1,675,000
Tax Rate Area	19
Deed Ref No. (City Clerk)	810615 726458

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	131046
Building 1	
Year Built	1977
Building Class	DX
Number of Units	0
Number of Bedrooms	0
Number of Bathrooms	0
Building Square Footage	35,000.0 (sq ft)
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 7411019020]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Coastal Bluff Potential	No
Canyon Bluff Potential	No
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Methane Hazard Site	Methane Zone
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Sea Level Rise Area	No
Oil Well Adjacency	No
Environmental	
Santa Monica Mountains Zone	No
Biological Resource Potential	None
Mountain Lion Potential	None
Monarch Butterfly Potential	No
300-Foot Habitat Buffer	No
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	1.01885496
Nearest Fault (Name)	Palos Verdes Fault Zone
Region	Transverse Ranges and Los Angeles Basin
Fault Type	B
Slip Rate (mm/year)	3.00000000
Slip Geometry	Right Lateral - Strike Slip
Slip Type	Moderately Constrained
Down Dip Width (km)	13.00000000
Rupture Top	0.00000000
Rupture Bottom	13.00000000
Dip Angle (degrees)	90.00000000
Maximum Magnitude	7.30000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	None

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Tsunami Hazard Area	No
Economic Development Areas	
Business Improvement District	None
Hubzone	None
Jobs and Economic Development Incentive Zone (JEDI)	None
Opportunity Zone	No
Promise Zone	None
State Enterprise Zone	HARBOR GATEWAY STATE ENTERPRISE ZONE
Housing	
Rent Stabilization Ordinance (RSO)	No [APN: 7411019020]
Ellis Act Property	No
Just Cause For Eviction Ordinance (JCO)	No
Housing Crisis Act Replacement Review	Yes
Housing Element Sites	
HE Replacement Required	N/A
SB 166 Units	N/A
Housing Use within Prior 5 Years	No
Public Safety	
Police Information	
Bureau	South
Division / Station	Harbor
Reporting District	513
Fire Information	
Bureau	South
Battallion	6
District / Fire Station	85
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2021-9522-DB-VCU-CU-SPR-HCA
Required Action(s):	DB-DENSITY BONUS VCU-VESTING CONDITIONAL USE CU-CONDITIONAL USE SPR-SITE PLAN REVIEW HCA-HOUSING CRISIS ACT
Project Descriptions(s):	PURSUANT TO LAMC SECTION 12.22 A.25(G)(2) AN ON-MENU DENSITY BONUS INCENTIVE FOR THE AVERAGING OF FAR ACROSS THE [Q]C2-1VL [Q]CM-1VL ZONES. PURSUANT TO LAMC SECTION 12.22 A.25(G)(3) TO PERMIT THE FOLLOWING: 1) AN FAR OF 2.8:1 IN LIEU OF THE OTHERWISE PERMITTED 1.5:1; 2) A MAX HEIGHT OF 80 FEET AND 5 STORIES IN LIEU OF 45 FEET AND 3 STORIES; 3) 25% OF THE REQUIRED OPEN SPACE TO BE LANDSCAPED PER 12.21 G AND TO WAIVE REQUIREMENTS OF ORD 172853, CONDITION B; 4) A WAIVER OF THE LANDSCAPE SETBACK REQUIREMENTS OF ORD 172853, CONDITION C; 5) RECREATION ROOMS TO COUNT FOR UP TO 25% OF THE REQUIRED OPEN SPACE IN LIEU OF THE 10% REQUIRED BY ORD 172853 CONDITION D; 6) WAIVER OF THE ARCHITECTURAL TREATMENT REQUIREMENT OF ORD 172853 CONDITION E. PURSUANT TO LAMC SECTION 16.05, A SITE PLAN REVIEW FOR A DEVELOPMENT THAT CREATES 50 OR MORE DWELLING UNITS. PURSUANT TO LAMC SECTION 12.24 T, A VESTING CONDITIONAL USE PERMIT FOR A MIXED-USE DEVELOPMENT WITH 354 DWELLING UNITS AND 1500 SQ FT OF COMMERCIAL SPACE. PURSUANT TO LAMC SECTION 12.24 A, A CONDITIONAL USE TO DEMONSTRATE COMPLIANCE WITH FOOTNOTE 9 OF THE WILMINGTON-HARBOR CITY COMMUNITY PLAN.
Case Number:	CPC-2018-6402-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	ADOPTION OF COMMUNITY PLAN POLICY DOCUMENT; GENERAL PLAN AMENDMENTS, AND ZONE CHANGES TO APPLY NEW ZONING CODE.
Case Number:	CPC-2007-5738-ICO
Required Action(s):	ICO-INTERIM CONTROL ORDINANCE
Project Descriptions(s):	INTERIM CONTROL ORDINANCE TO REGUALTE RESIDENTIAL-ONLY PROJECTS ON COMMERICAL PROPERTIES ADJACENT TO THE FOLLOWING STREETS: PACIFIC COAST HIGHWAY BETWEEN ALAMEDA STREET AND THE CITY BOUNDARY WITH LOMITA, ANAHEIM STREET BETWEEN ALAMEDA STREET AND THE 110 FREEWAY, AVALON BOULEVARD BETWEEN SANDISON STREET AND THE PORT OF LOS ANGELES IN THE WILMINGTON-HARBOR CITY COMMUNITY PLAN AREA .
Case Number:	CPC-2005-8252-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AN ORDINANCE ESTABLISHING PERMANENT REGULATIONS IMPLEMENTING THE MELLO ACT IN THE COASTAL ZONE.
Case Number:	CPC-1997-50-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	COMMUNITY PLAN UPDATE FOR WILMINGTON-HARBOR CITY WHICH IDENTIFIES AND REDEFINES OUTDATED LAND USE ISSUES AND INCONSISTENT ZONING, REVIEWS POLICIES AND PROGRAMS, AS WELL AS REVISING AND UPDATING THE PLAN MAP AND TEXT
Case Number:	CPC-1986-833-GPC
Required Action(s):	GPC-GENERAL PLAN/ZONING CONSISTENCY (AB283)
Project Descriptions(s):	AB-283 PROGRAM - GENERAL PLAN/ZONE CONSISTENCY - WILMINGTON-HARBOR CITY-COMMUNITY WIDE ZONE AND GENERAL PLAN CHANGES TO BRINGTHE PLAN AND ZONING INTO CONSISTENCY. INCLUDES CHANGES OF HEIGHT AS NEEDED. REQUIRED BY COURT AS PART OF SETTLEMENT IN HILLSIDE FEDERATION LAWSUIT (TAYLOR-PARKER)
Case Number:	ENV-2021-9523-HES-PEIR
Required Action(s):	Data Not Available

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Project Descriptions(s):	PURSUANT TO LAMC SECTION 12.22 A.25(G)(2) AN ON-MENU DENSITY BONUS INCENTIVE FOR THE AVERAGING OF FAR ACROSS THE [Q]C2-1VL [Q]CM-1VL ZONES. PURSUANT TO LAMC SECTION 12.22 A.25(G)(3) TO PERMIT THE FOLLOWING: 1) AN FAR OF 2.8:1 IN LIEU OF THE OTHERWISE PERMITTED 1.5:1; 2) A MAX HEIGHT OF 80 FEET AND 5 STORIES IN LIEU OF 45 FEET AND 3 STORIES; 3) 25% OF THE REQUIRED OPEN SPACE TO BE LANDSCAPED PER 12.21 G AND TO WAIVE REQUIREMENTS OF ORD 172853, CONDITION B; 4) A WAIVER OF THE LANDSCAPE SETBACK REQUIREMENTS OF ORD 172853, CONDITION C; 5) RECREATION ROOMS TO COUNT FOR UP TO 25% OF THE REQUIRED OPEN SPACE IN LIEU OF THE 10% REQUIRED BY ORD 172853 CONDITION D; 6) WAIVER OF THE ARCHITECTURAL TREATMENT REQUIREMENT OF ORD 172853 CONDITION E. PURSUANT TO LAMC SECTION 16.05, A SITE PLAN REVIEW FOR A DEVELOPMENT THAT CREATES 50 OR MORE DWELLING UNITS. PURSUANT TO LAMC SECTION 12.24 T, A VESTING CONDITIONAL USE PERMIT FOR A MIXED-USE DEVELOPMENT WITH 354 DWELLING UNITS AND 1500 SQ FT OF COMMERCIAL SPACE. PURSUANT TO LAMC SECTION 12.24 A, A CONDITIONAL USE TO DEMONSTRATE COMPLIANCE WITH FOOTNOTE 9 OF THE WILMINGTON-HARBOR CITY COMMUNITY PLAN.
Case Number:	ENV-2019-3379-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	ENVIRONMENTAL IMPACT REPORT FOR HARBOR GATEWAY AND WILMINGTON-HARBOR CITY COMMUNITY PLAN UPDATE
Case Number:	ENV-2017-2502-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	ENVIRONMENTAL CLEARANCE
Case Number:	ENV-2007-5739-ND
Required Action(s):	ND-NEGATIVE DECLARATION
Project Descriptions(s):	INTERIM CONTROL ORDINANCE TO REGUALTE RESIDENTIAL-ONLY PROJECTS ON COMMERICAL PROPERTIES ADJACENT TO THE FOLLOWING STREETS: PACIFIC COAST HIGHWAY BETWEEN ALAMEDA STREET AND THE CITY BOUNDARY WITH LOMITA, ANAHEIM STREET BETWEEN ALAMEDA STREET AND THE 110 FREEWAY, AVALON BOULEVARD BETWEEN SANDISON STREET AND THE PORT OF LOS ANGELES IN THE WILMINGTON-HARBOR CITY COMMUNITY PLAN AREA .
Case Number:	ENV-2005-8253-ND
Required Action(s):	ND-NEGATIVE DECLARATION
Project Descriptions(s):	AN ORDINANCE ESTABLISHING PERMANENT REGULATIONS IMPLEMENTING THE MELLO ACT IN THE COASTAL ZONE.

DATA NOT AVAILABLE

ORD-187552

ORD-172853-SA22B

ORD-172853-SA22A

ORD-167215

ORD-166001

ORD-164960

ORD-163420

ORD-162741

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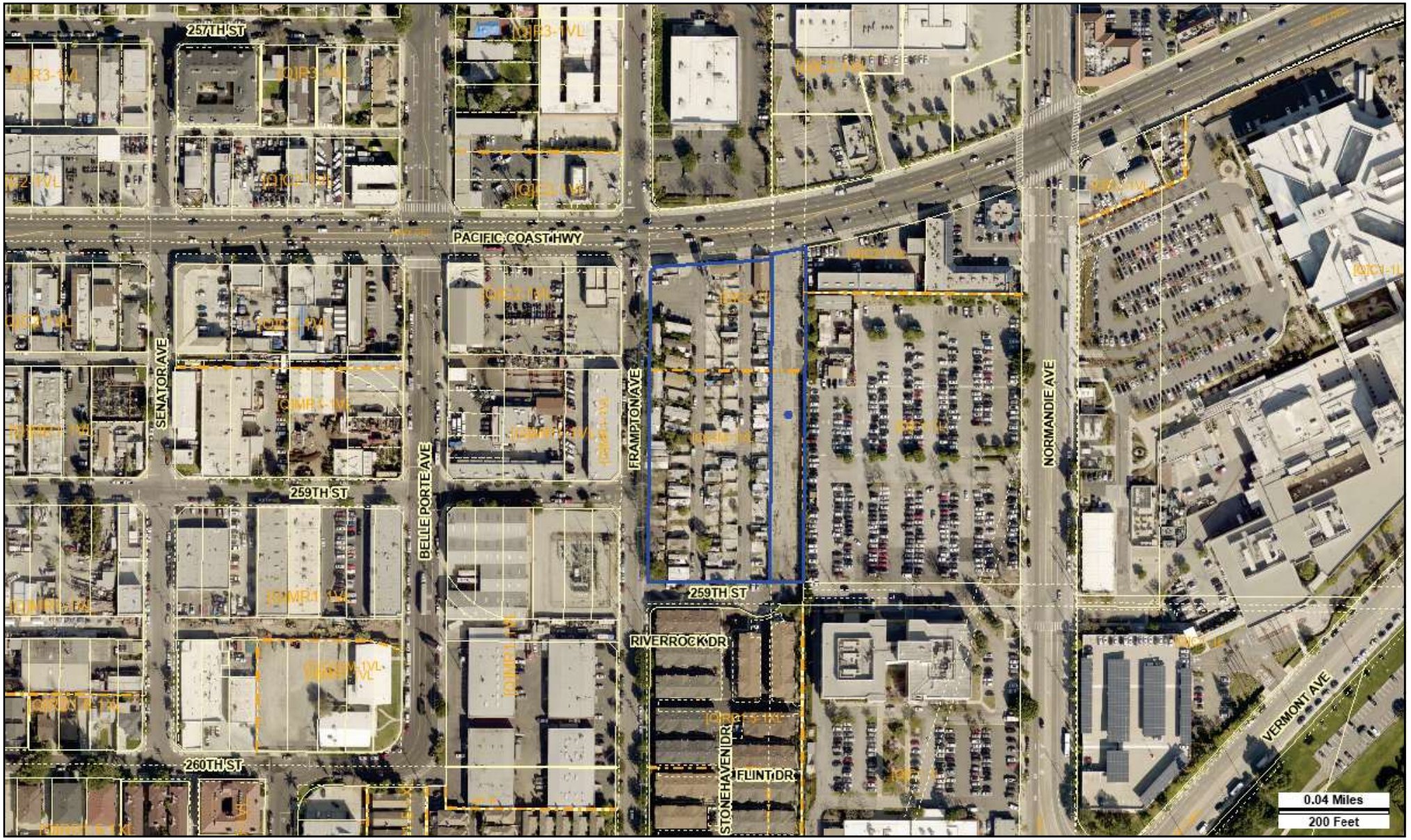
ZIMAS INTRANET

LARIAC6 2020 Color-Ortho

07/14/2025

City of Los Angeles
Department of City Planning



Address: 1268 W PACIFIC COAST HWY

APN: 7411019020

PIN #: 033B197 18

Tract: PECK'S SUBDIVISION OF LOT J AND PORTION OF LOT H OF THE PARTITION OF THE RANCHO

Block: 10

Lot: PT

Arb: 67

Zoning: [Q]C2-1VL, [Q]CM-1VL

General Plan: Community Commercial, Limited

N
W E
S

CITY OF LOS ANGELES FOUNDED 1781

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CHAPTER 1A LEGEND

General Plan Designation

- Transit Core
- Traditional Core
- Regional Center
- High Residential
- Community Center
- Village
- Neighborhood Center
- Medium Neighborhood Residential
- Medium Residential
- Low Neighborhood Residential
- Low Medium Residential
- Low Residential
- Compact Residential
- Very Low Residential
- Minimum Residential
- Agriculture
- Hybrid Industrial
- Markets
- Light Industrial
- Production
- Industrial
- Open Space
- Public Facilities
- Public Facilities - Freeways

Zone Use Districts

- Open Space
- Agricultural
- Residential Single Family
- Residential Multiple Family
- Residential-Mixed
- Commercial
- Commercial-Mixed
- Industrial
- Industrial-Mixed
- Public
- Freeway

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- Public Elementary (Proposed Expansion)
- Public Elementary School
- Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

MIXED INCOME INCENTIVE PROGRAM (MIIP)

TRANSIT ORIENTED INCENTIVE AREAS (TOIA)

- T-1
- T-2
- T-3
- Outside of TOIA

OPPORTUNITY CORRIDORS (OC)

- OC-1
- OC-2
- OC-3

CORRIDOR TRANSITION INCENTIVE AREAS (CT)

- CT-1
- CT-2
- CT-3

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2020
- Building Outlines 2017
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells - Acitive
- Wells - Inactive

Attachment M

Tribal Cultural Resources

NATIVE AMERICAN HERITAGE COMMISSION

CHAIRPERSON
Reginald Pagaling
Chumash

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki, Nomlaki

SECRETARY
Isaac Bojorquez
Ohlone-Costanoan

PARLIAMENTARIAN
Wayne Nelson
Luiseño

COMMISSIONER
Sara Dutschke
Miwok

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Bennae Calac
Pauma-Yuima Band of Luiseño Indians

COMMISSIONER
Vacant

COMMISSIONER
Vacant

ACTING EXECUTIVE SECRETARY
Michelle Carr

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

September 23, 2025

Norali Martinez
City of Los Angeles Department of City Planning

Via Email to: norali.martinez@lacity.org

Re: A-1 Mobilehome - 1290 W. Pacific Coast Highway Project, Los Angeles County

To Whom It May Concern:

As requested, a search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed based on information submitted for the above referenced project. The results were negative. Be aware that tribes do not always record their sacred sites in the SLF, nor are they required to do so. As such, an SLF search is not a substitute for consultation with all tribes that are traditionally and culturally affiliated with a project's geographic area.

Attached is a list of Native American tribes that are traditionally and culturally affiliated with the project's geographic area. Please contact all of the listed tribes as they may have information about sacred sites within the project area that is not listed with the NAHC.

If within two weeks of notification, a response has not been received, the Commission requests that you follow up with a telephone call or email to ensure that the project information was received.

If you receive notification of a change of address or phone number from a tribe, please inform the NAHC so that we can assure that our lists contain current information.

In addition to engaging in tribal consultation, you should consult the appropriate regional California Historical Research Information System (CHRIS) information center to determine whether it has information regarding the presence of recorded archaeological sites within the project area.

If you have any questions or need additional information, please contact me at Andrew.Green@nahc.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

Attachment

DEPARTMENT OF CITY PLANNING

COMMISSION OFFICE
(213) 978-1300

CITY PLANNING COMMISSION

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September 26, 2025

Andrew Salas
Gabrieleno Band of Mission Indians – Kizh Nation
PO Box 393
Covina, CA 91723

RE:

PROJECT ADDRESS: 1268-1290 West Pacific Coast Highway, and 25900 South Frampton Avenue, Wilmington, CA 90710
1280 PCH Mixed Use Development
(Case No. ENV-2021-9523-HES-PEIR) ("Proposed Project")
FINAL CLOSURE LETTER FOR TRIBAL CONSULTATION
MUTUAL AGREEMENT REACHED

Dear Chairman Salas:

The City, after acting in good faith and after reasonable effort, has concluded that mutual agreement CAN be reached for purposes of tribal consultation pursuant to Mitigation Measure 4.15-1(a) of the Program EIR of the Citywide Housing Element 2021-2029. Based upon the record and the reasons set forth in the Preliminary Closure Letter dated September 19, 2025, the City and Tribe have reached agreement.

Since the City shared its Preliminary Closure Letter dated September 19, 2025, the Tribe has provided an additional request to remove the City's proposed Condition of Approval for an Inadvertent Discovery of Tribal Cultural Resources. The tribe expressed concern over a duplicative condition since it could conflict with the Kizh Nation Mitigation Measures for this project. The City has agreed to remove the separate inadvertent discovery condition mentioned in the Preliminary Closure letter. The Tribe has provided no further information in response to our Preliminary Closure Letter. As such, for the reasons set forth therein, the Preliminary Closure Letter now becomes final. Please find attached the mutually agreed Mitigation Measures for the project.

The City is expected to finalize and take action on the Housing Element Checklist and Mitigation Monitoring Program in early October 2025. Please do not hesitate to contact me if you wish to share any additional information, comments, or concerns.

Respectfully,

Norali Martinez
City Planner
Department of City Planning – West/South/Harbor Project Planning Division

Attachment:
Conditions of Approval

Attachment

Conditions of Approval - Tribal Cultural Resource

TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities

A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-
disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.

B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of any permit necessary to commence a ground-disturbing activity.

C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground- disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.

D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.

TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial)

A. Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.

TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects

A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.
B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.
C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).
D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.
E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.