

LOS ANGELES FIRE COMMISSION

BOARD OF
FIRE COMMISSIONERS

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ERIC GARCETTI
Mayor

SUE STENGEL
INDEPENDENT ASSESSOR

EXECUTIVE OFFICE
200 NORTH MAIN STREET, SUITE 1840
LOS ANGELES, CA 90012

(213) 978-3838 PHONE
(213) 978-3814 FAX

December 18, 2018

Honorable Members of the City Council
City of Los Angeles
City Hall, Room 395
Attn: City Clerk

Honorable Eric Garcetti
Mayor, City of Los Angeles
Room 303, City Hall
Attn: Mandy Morales, Legislative Coordinator

[BFC 18-133] – AGREEMENT BETWEEN THE LOS ANGELES FIRE DEPARTMENT AND THE GOVERNORS OFFICE OF EMERGENCY SERVICES COVERING THE ASSIGNMENT OF HAZARDOUS MATERIALS VEHICLE NO. 12

At its meeting of December 18, 2018, the Board of Fire Commissioners approved the report and its recommendations. The report is hereby transmitted to the Mayor and City Council for consideration and approval.

Should you need additional information, please contact the Board of Fire Commissioners' office at 213-978-3838.

Sincerely,

Isela Iñiguez
Acting Commission Executive Assistant

Attachment

cc: Board of Fire Commissioners (without attachments)
Fire Chief Ralph M. Terrazas (without attachments)

December 18, 2018

LOS ANGELES FIRE DEPARTMENT



RALPH M. TERRAZAS
FIRE CHIEF

APPROVED: 12/18/2018
BOARD OF FIRE COMMISSIONERS
BY:
COMMISSION EXECUTIVE ASSISTANT

November 9, 2018

BOARD OF FIRE COMMISSIONERS
FILE NO. 18-133

TO: Board of Fire Commissioners

FROM: Ralph M. Terrazas, Fire Chief

SUBJECT: AGREEMENT BETWEEN THE LOS ANGELES FIRE DEPARTMENT
AND THE GOVERNOR'S OFFICE OF EMERGENCY SERVICES'
COVERING THE ASSIGNMENT OF HAZARDOUS MATERIALS
VEHICLE NO. 12

FINAL ACTION:	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Corrections	<input type="checkbox"/> Withdrawn
	<input type="checkbox"/> Denied	<input type="checkbox"/> Received & Filed	<input type="checkbox"/> Other

SUMMARY

In 2016, the Los Angeles Fire Department (LAFD) was selected by The Governor's Office of Emergency Services' (Cal OES) as one of 12 agencies statewide to receive a Type II Hazmat Response Vehicle (HMRV) with assigned equipment. These vehicles are the result of Assembly Bill (AB) 102 that authorized funding to establish *Regional Response Teams* throughout California in an effort to improve emergency response capabilities to all types of disasters.

To date, the LAFD has entered into a three-year Letter of Agreement (LOA) to implement the (HMRV) Program. One of the final steps is to secure approval of a 10-year LOA which will coincide with other agreement terms currently in place and will supersede the current three-year version.

RECOMMENDATIONS

That the Board:

1. Approve the LOA between the LAFD and Cal OES which allows for the implementation of the HMRV Program for a period of ten years.
2. Transmit the LOA to the Mayor in accordance with Executive Directive 3, and to the City Council for approval.
3. Request the City Council, subject to approval of the Mayor, approve the LOA for the period of October 15, 2018 through October 15, 2028.

FISCAL IMPACT

The Department received \$86,293.70 used for additional Hazardous Materials Training. There is no impact to the General Fund.

DISCUSSION

Due to a substantial increase in imported crude oil into the State of California, a Rail Safety Working Group was formed to identify potential safety concerns. One of the recommendations identified by the work group was the need to improve response capabilities to emergency incidents involving railcar shipments of crude oil. Significant gaps in emergency response were identified throughout the State of California, particularly in rural areas. The implementation of the 12 Regional Response Teams will address the need to improve overall response to all disasters throughout California.

CONCLUSION

The implementation of the HMRV Program increases the States' ability to respond to all disasters. The LAFD will provide trained members to staff and respond throughout the State. The opportunity to utilize the provided apparatus and equipment for local emergencies with no added fiscal impact is a positive byproduct of the program.

Board Report prepared by Kenneth S. Miller, Battalion Chief, CBRNE/Hazmat Section.



October 10, 2018

Ralph M. Terrazas, Fire Chief
Los Angeles Fire Department
200 N. Main Street
Los Angeles, CA 90012

Dear Chief Terrazas:

Ralph

Enclosed are two copies of the Assignment of Hazardous Materials Vehicle and Equipment Agreement covering the assignment of the Governor's Office of Emergency Services' (CAL OES) Hazmat vehicle No. 12 to the Los Angeles Fire Department.

Please have the authorized official sign both copies of the above-mentioned Agreement and return one original set to our office. CAL OES also requires that Los Angeles Fire Department provide us with a Certificate of Insurance or, letter certifying self- insurance, in accordance with Paragraph 18 or 19 at least 30 days prior to your transfer of the vehicle.

Please read the Agreement carefully and if you have any questions regarding this assignment, please feel free to contact our office.

If you have any questions regarding this assignment, please feel free to contact our office.

Sincerely,


KIM ZAGARIS
State Fire and Rescue Chief

KZ/sr
Enclosures

CC: Chief Daryl L. Osby, Region I Fire and Rescue Coordinator
Chief Ralph Terrazas, Los Angeles Operational Area Coordinator
Art Torrez, CAL OES Deputy Chief of Operations
Larry Collins, CAL OES Duty Chief, Special Operation and Haz Mat Section
Dave Stone, CAL OES Assistant Chief for Region I
John Salvate, CAL OES Assistant Chief for Region I
Kenneth Miller, Battalion Chief Hazmat Section, Los Angeles Fire Department
Alfred Poirier, Chief Deputy, Emergency Operations, Los Angeles Fire Department

**AGREEMENT FOR
TEMPORARY ASSIGNMENT OF VEHICLE AND EQUIPMENT**

THIS AGREEMENT, entered into this 15th day of October, 2018 by and between the between the GOVERNOR'S OFFICE OF EMERGENCY SERVICES (CAL OES)," and Los Angeles Fire Department, acting by and through its duly appointed, qualified and acting officers, hereinafter called "ASSIGNEE".

WITNESSETH:

WHEREAS, the State of California has purchased fire apparatus and equipment for the purpose of responding to incidents in furtherance of the California Fire Service and Rescue Emergency Mutual Aid Plan; and

WHEREAS, CAL OES is authorized to assign these fire apparatus and equipment to local jurisdictions throughout the State under written agreements to be staged for CAL OES purposes and for use by local jurisdictions for the purposes described below; and

IT IS HEREBY MUTUALLY AGREED between the parties hereto as follows: **CAL OES**

1. ASSIGNMENT. CAL OES hereby transfers possession of the below identified Hazardous Materials Vehicle and equipment listed on the attached and incorporated by reference Exhibit "A" (hereinafter, collectively referred to as "Apparatus") to ASSIGNEE and ASSIGNEE hereby accepts possession from CAL OES.
 - a. Vehicle Description: **2016 HME AHRENS-FOX Type II Hazardous Materials Vehicle**
Vehicle Designation: **HM-12**
Vehicle License Number: **Y090542**
Vehicle Identification Number: **44KFT4286JWZ23037**
Value of Vehicle: **\$538,000.00**
Value of Hose and Appliances: **\$262,000.00**
 - b. Equipment inventories (Exhibit "A") may by mutual written concurrence of the CAL OES and ASSIGNEE be changed during the term of this Agreement, utilizing property accountability procedures established or approved by the State.
2. TERM. The term of this Agreement shall commence on October 15, 2018, for ten (10) years unless terminated pursuant to the terms of this Agreement.
3. CONSIDERATION. Consideration for this Agreement is the mutual benefit the parties will enjoy by having the Apparatus locally available for use as provided in this Agreement.
4. HOUSING, MAINTENANCE, REPAIR, AND REPLACEMENT.
 - a. During the term of this Agreement, ASSIGNEE agrees to adequately house in an enclosed secure structure, staff, operate, maintain and repair the Apparatus and equipment at its sole cost and expense, except as otherwise expressly provided in this Agreement. ASSIGNEE also agrees to complete all reports and maintain records consistent with Section 16 and 17.

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Apparatus shall be housed on property of the **ASSIGNEE** in a manner to provide reasonable protection against inclement weather, sabotage, theft, or malicious damage. Apparatus shall be maintained in such condition that it is available for immediate emergency use, and at the same standard as other emergency apparatus operated by **ASSIGNEE**. Maintenance shall include care of batteries, tires, appliances, lubrication and fuel, general cleaning and polishing, minor body repairs and periodic testing. Repairs shall include, without being limited to, motor tune-ups, transmission, differential and all running gear, brake and exhaust systems, cooling devices including radiator, and equipment assigned to Apparatus.

b. Repairs to the Apparatus up to \$100.00 for each individual item of repair shall be the responsibility of **ASSIGNEE**.

c. Repairs to the Apparatus that exceed \$100.00 for each individual item of repair shall be the responsibility of **CAL OES** on a \$100.00 deductible basis, unless in the sole judgment and discretion of the **Cal OES** the need for repair results from misuse or negligence on the part of the **ASSIGNEE** in the maintenance or use of the Apparatus, in which event the cost of each such item of repair above \$100.00 will be the responsibility of **ASSIGNEE** up to a maximum of \$100,000 per item. In no event will **ASSIGNEE** arrange for repairs costing over \$100.00 for any item of repair, whether it is the responsibility of **Cal OES** or **ASSIGNEE**, without first obtaining written authorization from the **Cal OES** Fire and Rescue Division.

d. Notwithstanding the foregoing, replacement of batteries and tires for the Apparatus shall be the responsibility of **CAL OES**, except to the extent **CAL OES** determines that the damage thereto is the result of negligence or misuse on the part of the **ASSIGNEE**, in which event **ASSIGNEE** will bear such portion of the replacement cost thereof as the **CAL OES** deems equitable up to a maximum of \$100,000 per item. Procurement of tires and batteries is subject to State fiscal policies and procedures, and written approval must be obtained from the **CAL OES** Fire and Rescue Division prior to procurement.

e. Maintenance and repairs must be requested and authorized pursuant to the most recent version of the **CAL OES** Fire and Rescue Division Operations Bulletin #18, which is hereby incorporated into this Agreement by reference.

f. Repair or replacement of the Apparatus transferred hereunder which is lost, stolen, damaged, or destroyed during mutual aid operations when **CAL OES** has dispatched or directed the dispatch of the Apparatus through Regional or Operational Area Fire and Rescue Coordinators, or when **CAL OES** has reassigned said Apparatus, shall be the responsibility of **CAL OES**. If the loss or damage is due to the negligence of **ASSIGNEE**, **ASSIGNEE** shall be liable to the extent that the **CAL OES** deems equitable. **ASSIGNEE** agrees that it will assume responsibility in full for the repair or replacement of equipment which has been lost, stolen, damaged or destroyed in operations other than referred to in this paragraph.

g. A Smoke Opacity Test and Ladder Certification Test must be completed annually by **ASSIGNEE**. Calibration or recalibration of detection equipment shall be completed as required by the manufactures recommendation and/or by OSHA.

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5. INSPECTION OF APPARATUS: **ASSIGNEE** agrees that representatives of the **CAL OES** Fire and Rescue Division and other authorized State personnel may inspect the Apparatus at any time.

6. USE OF THE APPARATUS: The use of the Apparatus is intended to provide for mutual aid, multiple alarm event and emergency incidents, emergency incidents threatening properties vital to national defense or important military installations, training of regular, volunteer and auxiliary firefighters and temporary standby for **ASSIGNEE**'s regular vehicle and the regular apparatus of other departments while out of service for repairs. The Apparatus is also intended for surge capacity and to fill in the gaps across the state where there is limited or no response capability. **CAL OES** reserves the right to dispatch the Apparatus at the discretion of the Director of **CAL OES**, his/her designated representatives, or the Operational Area, and Regional Fire and Rescue Coordinators. Reimbursements for such deployments use protocols in keeping with master mutual aid request and include funds for both overtime and backfilling for the deployed members on a portal-to-portal basis. **For uses other than when activated through CAL OES Fire and Rescue Mutual Aid System to provide Hazardous Materials Mutual Aid in accordance with the California State Mutual Aid Plan**, any portion of the Apparatus assigned that cannot be decontaminated, or is disposable and cannot be reused, will be billed to the responsible party at current cost for replacement. The **ASSIGNEE** will pursue these costs from any identified responsible parties. In either case the **ASSIGNEE** will immediately notify the Operational Area Dispatch Center or **CAL OES**. The **ASSIGNEE** further agrees that Cover-in or Standby of an assigned Aparatus exceeding 90 days is at the discretion of the **CAL OES**.

7. OPERATING PROCEDURES: The **ASSIGNEE** will develop and implement written operating procedures consistent with approved FIRESCOPE Type II Hazardous Materials Team operational and safety practices and with **CAL OES** operating procedures that provide clear instructions for safely conducting activities involved in each Vehicle Personal Protective Equipment (PPE) and Specialized Equipment.

8. TRAINING AND STAFFING OF THE APPARATUS:
 - a. **ASSIGNEE** will staff the apparatus per FIRESCOPE Type II Hazardous Material ICS standards (<http://www.firescope.org/>). All personnel assigned to the Apparatus must meet California Hazardous Materials Type II Response Training requirements and ICS standards established in Title 8, Industrial Relations Section 5192. The list of personnel that the **ASSIGNEE** selects for training must be submitted at a minimum of thirty (30) days prior to the start of the class for approval by **CAL OES** Fire and Rescue Division.

 - b. **ASSIGNEE** will ensure that continual training is conducted so that the requisite number of certified Hazardous Materials Specialists will at all times be available to staff and operate the Apparatus, including when the Apparatus and its staff are activated through **CAL OES** Fire and Rescue Mutual Aid System to provide Hazardous Materials Mutual Aid in accordance with the California State Mutual Aid Plan.

 - c. Upon such activation by **CAL OES** Fire and Rescue, **ASSIGNEE** will provide a minimum of five staff to the Apparatus who are certified Hazardous Materials Specialists, one of whom must be trained to the minimum of Assistant Safety Officer HazMat per ICS-HM-222-5, and meeting or having the equivalent to the requirements found in Title 19 CCR 2520(r).

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Additionally, the five staff provided by ASSIGNEE upon activation by CAL OES Fire and Rescue must have the following minimum qualifications:

- i. Must be capable of identifying known and unknown chemical substances using a variety of identification methods, procedures, kits, and devices;
- ii. Must be able to utilize electronic detection and continuous monitoring systems;
- iii. Must be able to employ proper methods for substance capture, evidence collection, sampling, and labeling;
- iv. Must be able to utilize radiological detection devices for alpha, beta, and gamma threats;
- v. Must be able to ensure proper selection, use, and care of specialized chemical protective clothing, including totally encapsulating vapor protection, liquid-splash protection, cryogenic liquids protection, and ultra-high temperature protection; and
- vi. Must be able to use the most up to date technical reference material and chemical database information, including chemical and physical property research, and vapor plume and mapping over-lay programs.

d. The ASSIGNEE shall provide a staffing roster of 17 certified Hazardous Materials Specialists. The staffing roster must allow five certified team members on three shifts as well as an additional two-team members due to day off and leave occurrences. Further, the personnel rotation will follow the direction outlined in the California Fire Assistance Agreement when assigned to an incident.

9. HAZARDOUS MATERIALS REFRESHER TRAINING: ASSIGNEE agrees to participate in annual Hazardous Materials refresher training in the form of continuing education and training to be scheduled cooperatively between the ASSIGNEE and the CAL OES Fire & Rescue Division. The ASSIGNEE shall prepare and maintain a record which contains the identity of the employee, the date of Apparatus operations training, total number of training hours, and the means used to verify that the employee understood the training. Refresher training shall be properly documented to the satisfaction of CAL OES, and shall be shared with the CAL OES Fire & Rescue Division using procedures developed mutually by the ASSIGNEE and CAL OES.
10. APPARATUS OPERATION REFRESHER TRAINING: ASSIGNEE agrees to conduct Apparatus operations training annually or more often, if necessary, to each employee involved in operating the Apparatus to ensure that the employee understands and adheres to the current operating and safety procedures. CAL OES and the ASSIGNEE, in consultation with the employees involved with operating the Apparatus, will determine the appropriate frequency and type of continuing education and training for Apparatus operation. ASSIGNEE shall verify that each employee involved in operating the Apparatus has received and understood the Apparatus

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operation continuing education and training requirements. The ASSIGNEE shall prepare and maintain a record which contains the identity of the employee, the date of Apparatus operations

training, total number of training hours, and the means used to verify that the employee understood the training. Refresher training shall be properly documented to the satisfaction of CAL OES, and shall be shared with the CAL OES Fire & Rescue Division using procedures developed mutually by the ASSIGNEE and CAL OES.

11. PERSONAL PROTECTIVE EQUIPMENT (PPE) AND SPECIALIZED EQUIPMENT: It shall be the responsibility of CAL OES to provide response personnel with all other PPE that may be required by NFPA 1991 and 1992, other NFPA Standards, and California Title 8. It shall be the responsibility of CAL OES to provide all response equipment listed for the Apparatus in the FIRESCOPE STANDARDIZED HAZARDOUS MATERIALS TYPE II EQUIPMENT LIST which is located at <http://www.firescope.org/>.
12. DISPATCHING: All movement of the Apparatus shall be handled through the official dispatching channels of ASSIGNEE. ASSIGNEE dispatchers will recognize and act on all official requests for movement of the Apparatus in conformance with the Fire and Rescue Annex (California Fire and Rescue Mutual Aid System) to the State Emergency Plan and its subsequent revisions. CAL OES reserves the right to dispatch, direct the dispatch of, or temporarily reassign the Apparatus whenever the Apparatus is essential to the protection of life and property in another jurisdiction or in the best interest of the CAL OES. The ASSIGNEE shall immediately notify CAL OES when the Apparatus is dispatched to (local or regional) emergencies other than that for State Mutual Aid. The ASSIGNEE shall notify the CAL OES Fire & Rescue Division when the Apparatus is used for exercises or to conduct training.
13. MUTUAL AID RESPONSE: Procedures for mutual aid response shall be in accordance with California Fire Service and Rescue Emergency Mutual Aid Plan.
14. REIMBURSABLE RESPONSE: Reimbursement for mutual aid may be provided pursuant to a governor's disaster proclamation or when conditions warrant invoking the California Fire Assistance Agreement, Emergency Management Assistance Compact, or the Interstate Compact as appropriate. There is no other existing provision for mutual aid reimbursement.
15. TRAINING COST:
 - a. CAL OES will pay for the training, outlined in paragraph 8 above, which includes tuition, in-state travel, and backfill. Travel costs are calculated using the established rate based on the current California Fire Assistance Agreement with CAL OES Fire and Rescue Division. In the event that an agency-identified individual does not attend or is unsuccessful in completing any training paid for by CAL OES the ASSIGNEE will be responsible for all costs including backfill, travel, and tuition. All costs for training, including travel and backfill, must be preapproved in writing by CAL OES.
 - b. If training is less than 50 miles from home fire station backfill will cover 12 hours the member is in training status. If training is more than 50 miles, backfill will cover all of the scheduled hours in training and travel of that member.

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c. Those receiving the reimbursable training are, expected to fulfill a minimum 1 (one) year commitment. ASSIGNEE will be required to reimburse CAL OES for those who attended the reimbursable training but did not fulfill the minimum time commitment so those funds can be used to train another team member.

16. REPORTS AND RECORDS: ASSIGNEE shall maintain daily and monthly reports on the details of Apparatus use on CAL OES F-101 Form. Written results of all tests and reports shall be forwarded to CAL OES' Fire and Rescue Division (Special Operations and Hazardous Materials Section), by the end of the calendar year. The most recent copies of the tests and reports shall be maintained in the Apparatus logbook.

17. REPORT OF ACCIDENTS: ASSIGNEE shall immediately notify the CAL OES Fire and Rescue Division following any and all accidents involving the Apparatus. It shall be the responsibility of ASSIGNEE to fill out State Form 270, "Report of Automobile Accident," and file the report with the Governor's Office of Emergency Services. A copy of this report shall be retained by the ASSIGNEE and the original and four copies forwarded to CAL OES.

18. INSURANCE PROTECTION (Non- State Agencies):

a. ASSIGNEE agrees forthwith to furnish evidence of insurance protecting the legal liability of the ASSIGNEE and CAL OES for liability and/or property damage with a combined single limit of \$1,000,000.00 per occurrence, by means of a Certificate of Insurance naming the State of California as Additional Insured. Said certificate shall contain an Agreement by the insurance company that it will not cancel said policy without 15 days prior written notice to the CAL OES and that CAL OES is not liable for the payment of any premiums or assessments thereon. Said certificate must include the description of the apparatus including VIN, state license number, and CAL OES unit number.

b. In the event the ASSIGNEE is self-insured, ASSIGNEE in lieu of a certificate of insurance shall furnish CAL OES a written statement of such fact. In such event, ASSIGNEE agrees to hold the CAL OES harmless from any personal injury or property damage claims arising out of its maintenance, use or operation of the Apparatus under the terms of this Agreement.

c. Physical damage insurance, including collision coverage and comprehensive coverage, must be obtained. The State of California will be named as a loss payee. In the event of a non-total loss, ASSIGNEE is responsible for returning Apparatus to original standard. The description of the Apparatus and the necessary amount of insurance required is outlined in attached Exhibit "B" which is by this reference made a part hereof.

d. As an alternative to the aforementioned, the City of Los Angeles being self-insured, shall agree to cover the costs arising from physical damage including collision and comprehensive. As a self-insured entity, the City of Los Angeles meets the requirement within Paragraph.

19. INSURANCE PROTECTION (State Agencies): Any insurance necessary for coverage of the Apparatus will be the sole responsibility of the department having custody of the Apparatus, including when it directs, dispatches, and controls the use of the Apparatus. ASSIGNEE agrees to report Apparatus as being under its control to the Insurance Officer, Department of General

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Services.

20. TERMINATION OF AGREEMENT:

- a. Either party may terminate this agreement upon fourteen (14) days' written notice to other party.
- b. **ASSIGNEE** may relinquish and **CAL OES** may repossess the Apparatus at any time for any reason upon fourteen (14) days' notice to the other party.
- c. **CAL OES** may repossess any portion of the Apparatus without written notice whenever it deems the same is not being maintained or used in accordance with this agreement.
- d. Upon the termination of this agreement, **ASSIGNEE** agrees to return the Apparatus in the same condition as received with reasonable wear and tear excluding damage due to acts of God and conditions over which **ASSIGNEE** has no control.
- e. As inventory changes occur, or items of equipment are replaced, deleted or added by **CAL OES** or replaced by **ASSIGNEE**, it is mutually agreed that it will be concurrently documented and added as an exhibit to this agreement. **ASSIGNEE** further agrees that all replacements for equipment or the Apparatus will be made with identical or substantially like items as approved by the **CAL OES**.
- f. Nothing in this agreement shall be construed to create a new property interest or right of action for the **ASSIGNEE**.

21. UNAUTHORIZED USE OF CAL OES APPARATUS AND EQUIPMENT: Use of this Apparatus other than as specified in this Agreement will be considered a breach of this Agreement.

22. USE OF RADIO EQUIPMENT:

a. **CAL OES** will furnish at **CAL OES'S** sole cost, radio equipment installed in the Apparatus to be operated on the following frequencies: 151.145 - 170.925.

b. **CAL OES** agrees to maintain said equipment without cost to **ASSIGNEE**.

c. The **ASSIGNEE** agrees to operate said radio equipment in accordance with the Rules and Regulations of the Federal Communications Commission.

d. **CAL OES** remains the owner of all radio equipment provided to **ASSIGNEE**, and all applications to the Federal Communications Commission seeking authority to add modify or replace radio equipment covered by this agreement shall be made by **CAL OES**. To activate this agreement and in compliance with the control requirements of the Communications Act of 1934, as amended, **CAL OES** hereby deputizes the Chief of

ASSIGNEE, and such volunteers, regularly employed and salaried assistants as shall be

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designated by the Chief as his agents to operate said radio equipment as specified in paragraph "c" above.

23. Assumes No Liability: CAL OES assumes no liability hereunder for claims or losses accruing or resulting to any person, firm or corporation as a result of ASSIGNEE furnishing or supplying work, services or material or services in connection with the performance of this Agreement or for any claims and losses accruing or resulting to any person, firm or corporation injured or damaged by performance of either party hereunder.
24. NOTIFICATION PROTOCOL: All notices must be made in writing and deposited in the U.S. mail, registered and postage prepaid and addressed as follows: To the ASSIGNEE at the Los Angeles Fire Department, Los Angeles Fire Department, 200 N. Main Street, Los Angeles, CA 90012, Attn: Emergency Operations, and to CAL OES Fire and Rescue Division at 3650 Schriever Ave., Mather, CA 95655. Nothing herein contained shall preclude the giving of any such notice by personal service.
25. ALTERATION: It is mutually understood and agreed that this agreement cannot be amended or changed unless amended in writing and signed by the parties hereto. All prior oral agreements are superseded by this agreement.

IN WITNESS WHEREOF the parties hereto have executed this Agreement upon the date first above written.

ASSIGNEE:

Ralph M. Terrazas

By  10/18/18
Ralph M. Terrazas, Fire Chief

CAL OES:

Mark Ghilarducci

Director,
Governor's Office of Emergency Services

By  10/15/18
Kim Zagaris, State Fire and Rescue Chief

EXHIBIT "B"
INSURANCE REQUIREMENTS

Part of the Agreement through which the State makes a temporary transfer of vehicular equipment is the Agreement on the part of the ASSIGNEE to furnish certain evidence of insurance. Your organization, as an ASSIGNEE of equipment, will want to be mindful of these requirements and assure they are complied with. If self-insured, in lieu of a certificate of insurance, a written statement of self-insurance shall be furnished on official letterhead and agreeing to hold Cal OES harmless from any personal injury or property damage claims arising out of the maintenance, use or operation of the Apparatus.

Liability Insurance

A certificate of insurance shall be furnished to the State providing minimum limits of insurance as follows:

BODILY INJURY and PROPERTY DAMAGE LIABILITY \$1,000,000.00 PER OCCURENCE

A certificate of insurance will have the following provisions included:

1. The State of California shall be named Additional Insured.
2. The insurance company shall agree that in the event of cancellation, 15 days prior written notice will be given to the State.
3. The State shall not be responsible for premium or assessments.
4. Certificate of Insurance must include the description of the Apparatus including identification number, State license number and Cal OES unit number.

Physical Damage Insurance

The transfer agreements place certain responsibilities upon your organization for the safekeeping of the vehicle and equipment. The State will look to your organization for reimbursement for repair or replacement cost in the event the vehicle or equipment is damaged by misuse or negligence or by other causes, except normal wear and tear, acts of God and conditions over which your organization has no control.

Description of Apparatus

<u>VEHICLE</u>	<u>VALUE</u>
<u>2016 HME AHREMS-FOX Type II Hazardous Materials Vehicle</u>	<u>\$538,000.00</u>
License Number: <u>1538173</u>	
VIN Number: <u>44KFT4286JWZ23037</u>	
Engine Number: <u>HM -12</u>	
<u>EQUIPMENT</u>	
Hose and Appliances	<u>\$262,000.00</u>



CALIFORNIA OFFICE OF EMERGENCY SERVICES

Fire and Rescue Division
 3650 Schriever Ave
 Mather, CA. 95655
 Phone (916) 845-8711
 Night-Weekends: (916) 845-8911
 Fax: (916) 845-8396



MASTER HAZARDOUS MATERIALS EQUIPMENT INVENTORY SPREADSHEET

EXHIBIT A
 AGREEMENT for TEMPORARY TRANSFER of VEHICULAR EQUIPMENT
 HM-12

1. List represents all hazardous materials equipment and tools purchased and assigned to the specific Haz-Mat Type 2 Apparatus.
2. Equipment Inventory Numbers (Inv. #) are as indicated in the FIRESCOPE Standardized Hazardous Materials Equipment List (SEL).
3. For a more detailed "Description" of each individual equipment item, always refer to the SEL.

Purchase Date	Delivery Date	Service Date
3-30-2016	10-15-2018	

Agency Name:	Los Angeles City Fire	Operational Area:	Los Angeles Co	Operational Identifier:	XLA	Agency Designator:	LFD
Vehicle I.D. Number (VIN)	44KF4286JWZ23037	CA. Lin Number	1538173	HM-12	Region I		

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr. If known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
1.1.1	Test Strips, pH Paper	Packet, 1/2" x 3" tabs	1 Pkt		Whatman	100-12V-100	C-1	1	
1.1.3	Test Strips, Oxidizer	Packet, approx. 1/2" x 3"	1 Pkt		Emquant	160-24V-100	C-1	1	
1.1.4	Test Strips, Peroxide	Packet, approx. 1/2" x 3"	1 Pkt		Emquant	PER-400-1V-50	C-1	1	
1.2.2	Industrial Chemicals, Unknowns Test Kit	Qualitative analysis of unknown substances	1 Kit		Haz-Tec	KT-7003	C-1	1	#180047
1.2.3	PCB Chemicals Test Capability	Stand-alone test kits, or 1.2.2 may satisfy, at least 1 kit.	1 Kit		Dexil	CL-020	C-1	1	
1.3.3	Spectroscopy, Infra-Red	Scans unknowns and compares data in database to identify.	1 Unit		Smiths' Detection	Model HazMat Elite ID SN#: 004270416 Laptop Model Dell E5450 SN# B7CLJ72	C-3	1	#180048
							Laptop is in Data Rack		#180049
1.4.3	Colorimetric Kit; Multi-Sensing	Detection tube kit, tubes are chemical specific	1 Kit		Drager	SN: 4056098	C-3	1	#180050

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
2.1.1	OSHA Standard 4-gas	Oxygen Presence in %; LEL in %; CO presence; H ₂ S presence	1 Unit		RKI	Model GX 2012 SN: 610050069RN	CAB	Desktop	#180051
2.1.2	Calibration Kit for 2.1.1 (RKI GX-2012)	As required or recommended by mfr.	1 Unit		RKI	SN: 5X0040096	Not to be on rig		#180052
2.2.1	Volatile Vapors, in ppm.	Combustible atmospheres (VOC)	1 Capability		RAE	UltraRAE 3000 PGM 7360 SN: 596-908857	CAB	Desktop	#180053
2.2.1	Toxic Vapors, in ppm	Toxic industrial chemicals (TIC)	1 Capability		RAE	ToxiRAE Pro PGM 1860 SN: G624005890	CAB	Desktop	#180054
2.2.2	Aromatic Hydrocarbons	Benzene and other "ring" hydrocarbons, Xylene; May be incorporated as part of #2.2.1.	1 Capability		RAE	UltraRAE	Not to be on rig		
2.2.4	Calibration Kit for 2.2.1 (RAE ToxiRAE Pro)	As required or recommended by mfr. See 2.3.16	1 Unit			Controller DKS-6000 S/N T02100196 Cradle DKS 6002 S/N T025000960	Not to be on rig		#180055 #180056
2.3.1	Ammonia	Detects ammonia in ppm, range 0 to 100 ppm.	Must have capability for each, one device may suffice		RAE	UltraRAE Bottle:	Not to be on rig		#180057
2.3.2	Freon Refrigerants	Detects presence only,			Agile	1			
2.3.3	Halogen Gases	Specifically Chlorine.			RAE	ToxiRAE			
2.3.4	Phosphine	Detects presence only.			RAE	ToxiRAE			
2.3.16	Controller for kit for RAE (RAE UltraRAE 3000)	As required or recommended by Mfr	1 Unit		RAE		C-3	1	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
3.1.1	Coliwasa Tubes	Disposable; Glass or clear plastic, approx. 43", 225 ml capacity	1 Case of 12				C-2	3	
(3.1.5)	Sampling Kit	Contents listed on the container					C-2	3	
3.1.5 or 3.1.6	Pipette, Transfer	Plastic, Disposable, 15 cm long 5 to 8 ml capacity, or 30 cm long 20 ml capacity	1 Case of 400				C-2	3	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor Supplier	Mfgr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
3.1.10	Test Tubes	Disposable, borosilicate, approx. 12-14 ml capacity.	4 Boxes of 250				C-2	3	
3.1.11	Swab, Sterile	Non-organic single use swab.	1 Box of 6				C-2	3	
3.1.12	Sponge, Sealed	For surface swipe.	1 Set of 2				C-2	3	
3.1.15	Environmental Dipper	Telescopic to 24"; with 500 ml cup or swivel ladle.	1 Unit	Cup Broken "U" Bracket Missing			C-2	3	
3.1.16	Tongs, Beaker	PTFE coated, approx. 9 1/2" long	2				C-2	3	
3.1.17a	Tongs, Crucible	Stainless steel	2				C-2	3	
3.1.17b	Tongs, Flask	Metal	1				C-2	3	
3.1.19	Forceps	Steel, coated or uncoated; or plastic, 3 1/4" to 5 1/2" long	1 Pkg. of 2				C-2	3	
3.1.20	Funnel	1 - 2" 1 - 3" 1 - 4"	3 (1 of each size)				C-2	3	
3.1.24	Spatula, Sampling, "V" type	Large plastic or metal, approx. 6" to 11" long	1 Pkg of 6				C-2	3	
3.1.25	Spatula, Sampling, Micro	Small, Teflon coated, approx. 7 1/2" long	1				C-2	3	
3.1.26	Spoon, Plastic	Polypropylene, approx. 7" handle, in four sizes (1/4 teaspoon, 1/2 teaspoon, 1 teaspoon, 1 tablespoon.	1 Set of 12				C-2	3	
3.1.27	Scoop	Small, sterile, 2 oz.	1 Pkg of 10				C-2	3	
3.2.1	Pump, syphon	Product transfer, with hose, capacity and quality as described in the SEL.	1 Hand Pump				C-2	3	
3.2.7	Pump, Diaphragm, hand	Push-Pull with 2 lengths 1 1/2" hose & connections, 15 GPM	1 Pump System				C-2	3	
3.3.2	Sample Jars, Clear	4 oz. to 8 oz. each, wide mouth, Sterile to EPA Protocol B, 12 min.	1 Box of 24				C-2	3	
3.3.4	Sample Jars, Amber	4 oz. to 8 oz. each, wide mouth, Sterile to EPA Protocol B, 4 minimum	1 Box of 24				C-2	3	
3.3.7	Sample Vials, Clear	1.3 oz. capacity, Teflon lid, 1 case of 12	1 Case				C-2	3	
3.3.8	Stoppers, Conical	Assortment from #000 to #6 (9 sizes)	1 Kit of at least 5 different sizes				C-2	3	
3.3.9	Bags, Plastic, Zip-Loc type	Small, Medium, and Large sizes, as per description	1 Kit of 24 representing all 3 sizes				C-2	3	
3.3.10	Bags, Evidence	Tamper-Proof, Self-Dealing, 7" x 4" or larger	1 Set of 12				C-2	3	
3.3.11	Labels, Ordinary	Self-adhesive, blank, address type	1 Kit of 50				C-2	3	
3.3.15	Labels, Evidence Seals	Tamper-proof seals, minimum 25	1 case of 100				C-2	3	
3.3.16	Pens, Marking, Paint	Permanent marking, enamel paint	4				C-2	3	
3.3.17	Pens, Marking, Indelible	Permanent Marking, "Sharpie" type	6				C-2	3	
3.3.18	Chain of Evidence Forms	Documents movement of evidence	1 Kit of 20				C-2	3	
3.3.19	Photo, Camera	Digital, 4 megapixel or better	1				In Data Rack		

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
4.1.5	Survey, Alpha, Beta, Gamma all-in-one unit	Detects alpha, beta, gamma, with Pelican case.	1 Kit Complete	Includes: 4.1.1, 4.1.2, 4.1.3	Ludlum	2241-2RK	C-3	1	#180058
4.3.1	Dosimeters, Individual, Digital	Personal, direct reading, for gamma and x-ray, programmable	5 Separate Units		DosRAE-2 Model # PRM-1200	SN: 0352000940 SN: 0352000904 SN: 0352000861 SN: 0352000770 SN: 0352000793	In chargers in the Data Rack		#180063 #180064 #180065 #180066 3180067
4.3.1a	Chargers, Dosimeters	Individual USB charger/USB connector to computer reader	1 ea, total of 5		DosRAE	S/N-	In the Data Rack		

CLOTHING Category 3

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
5.1.2	Vapor Protective, Encapsulating	NFPA 1991 compliant, + flash fire	LG LG XLG XLG		Saint Gobain	F-7323 F-7229 F-7288 F-7282	S-1	2	
5.1.6	Pressure Test Kit	Test for suit leakage	1 Kit		Saint Gobain		C-1	2	#180059
5.2.2	Liquid Splash, WMD Class 3	NFPA 1994 compliant, + Class 2 or 3	4 Sets		Kappler Zytron 300		C-1	3	
5.3.1	Liquid Splash, Limited Use	Single use, disposable Tyvek	10 Sets (22 Total)	See Also #10.2.11	DuPont Tyvek		S-1	2	

EQUIPMENT Category 6

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
6.1.1	Replacement Glove, 1991	Replacements for NFPA 1991 suit	4 Sets		Saint Gobain	22405M 22406M	C-1	4	
6.1.2	Replacement Glove, 1994	Replacements for NFPA 1992 or 1994 garments, 4 sets minimum	1 Dozen		ShowaBest	Chloroflex 723	C-1	4	
6.1.3	Under-Glove	Additional disposable single use	1 Set of 24 Pair		North SilverShield	WPL262	C-1	4	
6.1.4	High Temperature Protective	Protects up to 1,500 degrees F, 2 pair total, one size fits all	2 Pair		ZetexPlus	Z-Flex 302LG Z-Flex 202XL	C-1	4	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
6.1.6	Ultra-Cold Protective	Cryogenic liquids, temperatures, 2 pair total	1 Pair - LG 1 Pair - XLG		Cryo-Glove	EBLWP-9 EBLWP-10	C-1	4	
6.2.1	Boots, Chemical Resistant	For use with 1991 or 1994 garments, NFPA 1991 compliant, 5 pair total	2 Pair - Size 10 1 Pair - Size 11 1 Pair - Size 12 1 Pair - Size 13		Tingly	HazProof	C-1	2	
6.3.1	Helmet	Falling object protection, in suit	5 Sets		MSA	"V"-Guard 475359	C-1	2	
6.3.2	Goggles	Eye protection, haz-cat, sampling	5 Sets		Crews	2230R	C-2	3	
6.4.1	Undergarment, Fire Resistant	Jumpsuit style, NFPA 2112 Compliant total of 5, in 5 sizes	1 Pair - 42Reg 1 Pair - 42Lng 1 Pair - 44Reg 1 Pair - 44Lng 1 Pair - 46Reg		Bulwark Protective	Ignifuge CEC 2RB5	C-1	3	

7.1.1 - 7.1.4 - FIRE AGREEMENTS - COMPUTER SUPPORT Category

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
7.1.1	DATABASE TYPE: Chemical and Physical Properties PRINTED	NIOSH Pocket Guide to Chemical Hazards (NIOSH)	1 Copy	CalOES F&R	U.S. Printing	GPO-017-033-00500-1	CAB	Shelf 3	
		Dangerous Properties of Industrial Chemicals (SAX)	1-5 Vol. Set		Wiley	ISBN 978-0-470-62325-1	CAB	Shelf 3	
		Condensed Chemical Dictionary (Hawley's)	1 Copy		Wiley	ISBN 978-0-471-76865-4	CAB	Shelf 3	
		The Merck Index	1 Copy		Merck Co.	ISBN 978-1849736701	CAB	Shelf 3	
		Fire Protection Guide to Hazardous Materials (NFPA)	1 Copy		NFPA		CAB	Shelf 3	
7.1.2	GUIDEBOOK TYPE: Initial Intervention Recommendations PRINTED	Emergency Response Guidebook (DOT)	1 Copy	CalOES F&R	DOT		CAB	Shelf 3	
		Emergency Handling of Hazardous Materials (AAR)	1 Copy	CalOES F&R	AAR		CAB	Shelf 3	
7.1.3	SPECIALTY TYPE PRINTED	Chemical Synonyms and Trade Names (Gardner's)	1 Copy		Wiley	ISBN 0-566-08190-3	CAB	Shelf 3	
		Guide to Chemical Incompatibilities (Wiley)	1 Copy		Wiley	ISBN 978-0-470-38763-4	CAB	Shelf 3	
		Rail Tank and Freight Car Manual (GATX)	1 Copy	CalOES F&R			CAB	Shelf 3	
		Handbook of Reactive Chemical Hazards (Bretherick)	1 Copy		Butterworth Pub	ISBN 978-0123725639	CAB	Shelf 3	
7.1.4	REGULATORY TYPE: Government Codes,	CFR Title 29 (OSHA), includes Part 1910.120	1 Copy			29CFR	CAB	Shelf 3	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
	Standards PRINTED	CFR Title 49 (DOT), Includes Parts 100-185	1 Copy			49CFR	CAB	Shelf 3	
		NFPA Standard 472	1 Copy		NFPA	472	CAB	Shelf 3	
		NFPA Standard 1991	1 Copy		NFPA	1991	CAB	Shelf 3	
		NFPA Standard 1992	1 Copy		NFPA	1992	CAB	Shelf 3	
		NFPA Standard 1994	1 Copy		NFPA	1994	CAB	Shelf 3	
		NFPA Standard 2112	1 Copy		NFPA	2112	CAB	Shelf 3	
7.1.5	REGULATORY TYPE: Response Plans, Guidelines PRINTED	Hazardous Materials Incident Contingency Plan (CalOES)	1 Copy	CalOES F&R	CalOES		CAB	Shelf 3	
		Operational Area (Local or County) Hazardous Materials Emergency Response Plan	1 Copy	CalOES F&R	Local		CAB	Shelf 3	
7.1.6	WMD Chemical/Biological	Handbook of Chemical and Biological Warfare Agents (Ellison)	1 Copy		CRC Press	ISBN0-8493-2803-9	CAB	Shelf 3	
7.2.1	DATABASE TYPE: Chemical and Physical Properties ELECTRONIC	Dangerous Properties of Industrial Chemicals (SAX) – AND Condensed Chemical Dictionary	1 CD			ISBN 978-0-470-12435-2	CAB	In CD Binder	
		Properties of Hazardous Industrial Materials (Cooper)	1 CD				CAB	In CD Binder	
		CHRIS Manuals (U.S.C.G.)	1 CD	CalOES F&R			CAB	On Computer	
7.2.2	GUIDEBOOK TYPE: Initial Intervention Recommendations ELECTRONIC	Material Safety Data Sheets	Off Internet		ScienceLab.com		CAB	On Computer	
7.2.3	SPECIALTY TYPE: ELECTRONIC	Crop Protection Handbook CD (Meister) with printed volume	Not Available			(No Longer Available)	-	-	
		Dictionary of Chemical Names and Synonyms (Synapse)	1 CD			978-1-890595-08-1 7998-08X-10878	CAB	In CD Binder	
		Specialty Chemicals Electronic Source (Synapse)	1 CD			978-1-934764-18-3	CAB	In CD Binder	
		Chemical Mfrs. of Trade Name Chemical Products (Synapse)	1 CD			978-1-890595-58-6 6304-586-9690	CAB	In CD Binder	
		Industrial Chemical Thesaurus (Synapse)	1 CD			8409-06X9978	CAB	In CD Binder	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA State I.D. Number
							Comp.	Tray	
7.2.4	WMD Chemical / Biological	CoBRA, Subscription, Software	1 Subscription	Yearly Subscription	TriCon Environmental	V 4.4.3	CAB	On Computer	
7.3.1	Basic Platform, Database Air & Plume Modeling, Overlay Mapping Overlays	CAMEO, Internet download, software	1 Program	NOAA off Internet			CAB	On Computer	
		ALOHA, Internet download, software	1 Program	NOAA off Internet			CAB	On Computer	
		MAR-PLOT, Internet download, software	1 Program	NOAA off Internet			CAB	On Computer	
7.4.1	Computer		1 Unit	Included In Apparatus Specs.	GETAC B-300	SN RG 463BH0881	CAB	In Data Rack	
7.4.1a	Mouse	Wireless	1 Unit		Targus Model AMW50US		CAB	In Data Rack	
7.4.1b	Keyboard	Wireless	1 Unit		Targus Model AKB33US		CAB	In Data Rack	
7.4.1c	Monitors	LED	2 Units		Samsung Model SE310H Series	SN:ZCZH4LH605245F SN:ZCZH4LH605253J	CAB	On Desktop	#180011 #180012
-	Television	LED	1 Unit		Samsung Model UN24H4000FXZA	C6B43CHU400326E	CAB	Wall Mount	#180013
7.4.2	Printer, Color	Print, Copy, Scan	1 Unit	Included In Apparatus Specs.		CN5CM1G25C	CAB	On Data Rack	#180014
7.4.3	Scan Capability	Is built into the Printer, N.A.	N.A.	Included In Apparatus Specs.					
7.4.4	Copy Capability	Is built into the Printer, N.A.	N.A.	Included In Apparatus Specs.					
7.4.6	Access onto Internet	Subscription to a Provider, Verizon, 4G LTE	1 Capability	Yearly Subscription					
7.4.8	Hardware, Graphics Card	Is built into the Computer, N.A.	N.A.	Included In Apparatus Specs.					
7.4.11	Hardware, DVD Drive	Is built into the Computer, N.A.	N.A.	Included In Apparatus Specs.					
7.4.12	Hardware, USB Ports	Is built into the Computer, N.A.	N.A.	Included In Apparatus Specs.					

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
7.4.13	Software, Operating System	WINDOWS® 10	1 Program						
7.4.14	Software, Document Processing	Microsoft WORD®	1 Program						
7.4.16	Software, Protection	Norton SECURITY®, subscription	1 Subscription						
7.4.16a	Software, Acrobat Reader	Provides PDF format, download	1 Capability	Off Internet					
7.4.16b	Software, JAVA Reader	Provides JAVA SCRIPT®	1 Capability	Off Internet					
7.4.16c	Software, Internet Browser	Microsoft Internet Explorer	1 Capability	Off Internet					

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model, Cat. # or SKU #	STORAGE		CA. State I.D. Number
							Comp.	Tray	
8.1.2	Light Amplification	Night Vision Scope, Monocular with additional 5X interchangeable lens	1 Unit 1 Telephoto Lens	Scope Lens	Armasight N-14 Armasight Lens	SN: 64818: SN: 201701144	C-3	1	#180060
8.1.8	Infra-Red Scope w/ Distance Meter	Temperature sensing, surface, with mini-tripod and carrying case.	1 Unit 1 Mini-Tripod 1 Case		Omega	OS5 33E-DM	C-3	1	#180061
8.1.15	Sound Sensing	Ultra-Sonic with headphone set	1 Unit		Infocon	Ultra-Sonic	C-3	1	#180062
8.2.2	Weather Station, Wireless Kit - Compatible with CAMBO	Wind speed & direction, temperature, barometric, humidity + software	1 Complete Kit		Coastal Environmental	SN: 667 SN: 3716	C-3	1	#180046
							TC-2	-	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Cont.	Tray	
9.1.1	Neutralization - Acids	XSORB® Acid Neutralizer	1 Bag 1.75 cu. ft.		XSORB		S-3	1	
9.1.2	Neutralization - Caustics	XSORB® Caustic Neutralizer	1 Bag 1.75 cu. ft.		XSORB		S-3	1	
9.1.3	Encapsulating Powder, General Purpose	XSORB® II Super Encapsulator	1 Bag 2.0 cu. ft.		XSORB		S-3	1	
9.1.4	Encapsulating Powder, Aldehydes	CLIFT® Formaldehyde Eater	1 Pall 5 Gallon		Global Industries		S-3	1	
9.1.5	Encapsulating Powder, Non-Polar Only (Solvents)	XSORB® Select Oil	1 Bag 1.75 cu. ft.		XSORB		S-3	1	
9.1.6	Fire Extinguisher, Class "D"	For Metal Fires	30 lbs. Capacity	Included in Apparatus Specs.			C-4	8	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Cont.	Tray	
9.2.1	Absorbent, Non-Polar (Solvent), Pads or Rolls	XSORB® FiberDuck Oil Absorbent, 18" x 18" pads	1 Pkg of 100		XSORB		S-1	2	
9.2.2	Absorbent, General Purpose, Pads or Rolls	XSORB® FiberLink HazMat Bonded, 18" x 18" pads	1 Pkg of 100		XSORB		S-1	2	
9.2.3	Absorbent, Non-Polar (Solvent), Socks	XSORB® Select Oil Sock, 3" x 10'	1 Pkg. of 40 feet		XSORB		S-1	2	
9.2.4	Absorbent, General Purpose, Socks	XSORB® Universal Sock, 3" x 10'	1 Pkg. of 40 feet		XSORB		S-1	2	
9.2.5	Absorbent, Non-Polar, (Solvent), Pillows	XSORB® Select Oil Pillow	1 Case of 10		XSORB		S-1	2	
9.2.6	Absorbent, General Purpose, Pillows	XSORB® FiberLink Universal Pillow	1 Case of 10		XSORB		S-1	2	
9.2.8	Absorbent, Mercury Spills	Mercury Eater, with at least 500 grams mercury absorbing powder	1 Kit Complete		Clift Industries		S-3	1	
9.2.11	Pipe, Assortment, Plastic	Three different diameters, 8' long ea.	1 Set		?		Ladder Comp.		
9.3.1	Chlorine Kit "A"	For 150 lb. cylinders, Indian Springs	1 Kit		Indian Springs Mfg.	SN: 17584	S-2	2	#180043
9.3.2	Chlorine Kit "B"	For one ton cylinders, Indian Springs	1 Kit		Indian Springs Mfg.	SN: 17338	S-2	2	#180044
9.3.3	Chlorine Kit "C"	For rail tank cars, Indian Springs	1 Kit		Indian Springs Mfg.	SN: 6020	S-2	1	#180045
9.3.3a	Pressure Gage for "C" Kit	Gage for chlorine rail tank cars	1 Unit		Indian Springs Mfg.	CG-400	S-2	3	
9.3.5	Sulfur Dioxide Upgrade for "A"	Special gaskets for the "A" kit	1 Kit		Indian Springs Mfg.		S-2	2	
9.3.6	Sulfur Dioxide Upgrade for "B"	Special gaskets for the "B" kit	1 Kit		Indian Springs Mfg.		S-2	2	
9.3.7	Sulfur Dioxide Upgrade for "C"	Special gaskets for the "C" kit	1 Kit		Indian Springs Mfg.		S-2	1	
9.3.9A	Universal Tank Car Kit, Box 1 of 3	Midland® ERK, in 3 boxes	1 Kit Complete (In 3 Boxes)		Midland	B-243ERK ALJ037	S-4	1	#180023
9.3.9B	Universal Tank Car Kit, Box 2 of 3						S-2	1	#180024
9.3.9C	Universal Tank Car Kit, Box 3 of 3						S-2	1	#180025
9.3.10	Pipe, Patch & Repair	Edwards & Cromwell Kit "C-2"	1 Kit		Edwards & Cromwell	"C-2"	C-1	1	#180031
9.3.13	Pipe, Clamp, Gas, Mechanical	Squeezing shut 2" gas line, Mustang®	1 Tool		Mustang	DBS-20C	C-2	3	#180032
9.3.16	Pipe, Patch, Liquid, Pneumatic	Bandage wrap inflates with air, Vetter® Leak Sealing Bandage	1 Kit		Vetter #1500013900	S/N: 03160169	C-2	3	#180033
9.3.17	Patch, Tanker, Liquid	For tank trucks, Edwards & Cromwell kit "F"	1 Kit		Edwards & Cromwell	"F"	C-1	1	#180034
9.3.18	Patch, Tanker, Liquid, Pneumatic	For tank trucks, Vetter Leak Sealing Bags kit #1500005302	1 Kit		Vetter #1500005302	SN 02161821	C-2	3	#180035
9.3.18	Patch, Tanker, Liquid, Magnetic	For tank trucks, Miko® Tank Sealer Kit	1 Kit		Miko	SN: None	S-1	1	#180026
9.3.24	Patch, Drum, Liquid, Pneumatic	For small tanks, drums, Vetter Mini Leak Sealing Bags, 1500009400	1 Kit		Vetter #1500009400	SN: 03160519	C-2	3	#180037

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State I.D. Number
							Cont.	Tray	
9.3.26	Patch, Drum, Liquid, Compression	Various round, tapered, "T" bold, and wood dowels, Edward & Cromwell Kit "D"	1 Kit		Edwards & Cromwell	"D"	C-1	1	#180039
9.3.29	Plugs, Tapered, Stopper, Extra-Large	Extra-large 4" dia. compression plug	1 Kit of all three Edwards & Cromwell Kit "A-2"		Edwards & Cromwell	"A-2"	C-1	1	#180040
9.3.31	Plugs, Half Round, Stopper, Extra-Large	Extra-large 4" dia. compression plug							
9.3.32	Plugs, "T" Bolt, Extra-Large	Extra-large "T" style plug							
9.3.33	Plugs, Conical, Liquid	Extra-large plastic or rubber plugs for drains, Ultratech® Drain Plug Kit	1 Kit Complete		UltraTech	3EWY1	C-1	2	
9.3.34	Plugs, Tapered, Liquid, Pneumatic	Three sizes of inflatable tapered plugs, Vetter kit # 1500009600	1 Kit		Vetter #1500009600	SN: 02162269	C-2	3	#180036
9.3.36	Plugs, Expansion, Liquid, Pipe	Plumber type "test" plugs, 10 different sizes, Edwards & Cromwell Kit "C-1"	1 Kit		Edwards & Cromwell	"C-1"	C-1	1	#180038
9.3.42 OR 9.2.43	Plugs, End Caps	End caps (Jim Caps), with garden spigot, 6 different sizes with bibb, 2 extra-large without bibb, Mission Rubber Company.	1 - 1 1/2" 1 - 2" 1 - 3" 1 - 4" 1 - 5" 1 - 6" 1 - 8" 1 - 10"		Mission Rubber	0701 516 0702 514 0703 512 0704 510 0705 517 0706 515 0708 016 0710 017	C-2	4	
9.3.44	Plugs, Dowels, Wood	Tapered wood dowels, 9 different sizes.	1 - 1/2" 1 - 3/4" 1 - 1" 1 - 1 1/4" 1 - 1 1/2" 1 - 2" 1 - 2 1/2" 1 - 3" 1 - 4"		San Diego Marine Exchange	00030255 00030258 00030261 00030264 00030267 00030270 00030273 00030278 00030279	C-2	4	
9.3.48	Dome Lid Tight, Clamp Type	For highway tanker manway covers	1 Unit		Northwest HazMat	Lid Tight	C-1	1	#180041
9.3.49	Dome LidLoc®, Spring Type	For highway tanker manway covers	1 Set of 3		STTS	Lid Loc	C-1	1	#180042
9.3.49a	Pipe, Repair, Side Leak	Kevlar patches, epoxy water activated, InduMar® "Stop It" Repair	2 Kits		InduMar "Stop It"		C-2	4	
9.3.49b	Flat Surface Leak, Plug, Large	"Football" by InduMar®, epoxy water activated	2 Kits		InduMar "Football"		C-2	4	
9.3.49c	Flat Surface Leak, Plug, Small	"Golf Ball" by InduMar®, epoxy water activated	2 Kits		InduMar "Golf Ball"		C-2	4	

Inv. #	Item Name	Description	Requirement	Vendor,	Mfr,	Model #, Cat. #	STORAGE	CA. State ID
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			(Units, Kits)	Supplier	If Known	and/or SKU #	Cont.	Tray	Number
10.1.1	Tarps, Plastic:	Ground cover, minimum 12' x 12'	2		HDX	PY004	S-4	2	
10.1.2	Tarps, Carry-All:	Debris transfer, approx. 6' x 6"	1		MyTarp.com	YT5005vcp10	S-4	2	
10.1.3	Sheeting, Plastic, Roll:	Ground cover, 20' x 100'	1 Roll		HDX	CFHD0620C	S-2	2	
10.1.4	Catch Basin:	Approx. 120 gallon capacity	1		IntraSlate	3108	TC1	-	#180027 #180028 #180029
10.1.5	Shower, Gross Decontamination	Fits into Catch Basin	1		DQE	HM7000	TC1	-	#180030
10.1.6	Eye Wash, Station	ANSI Z-358.1, 7 gallon capacity	1		Bradley	Model S19-921	S-2	2	#180073
10.1.7	Pools, Portable	Approx. 60 to 80 gallon capacity, ea., 5' x 5' x 12"	3		Husky		TC 1	-	
10.2.1	Stools, Portable	Folding metal chairs	1 Set of 4		National Public	Model 310	TC 1	-	
(10.2.2)	De-Con Kit	Contents listed on the container					S-4	2	
10.2.2	Brushes, Long Handle, Soft	16" handle, soft bristle	4		Harper	8572	S-4	2	
10.2.4	Brushes, Short Handle, Soft	Carpenter or dusting type, rat tail	2		HDX	408HDXRM	S-4	2	
10.2.5	Brushes, Car Wash Type	Long handle to 3 feet	2		Laitner	45C131	S-4	2	
10.2.6	Sponge Set	Approx. 4" x 4" x 6"	4			--	S-4	2	
10.2.7	Towels, Absorbent, Cloth	Approx. 20" x 40" (8 minimum)	1 Roll of 100		DQE	HM705	S-4	2	
10.2.8	Towels, Absorbent, Paper	Disposable (1 roll minimum)	1 Roll			--	S-4	2	
10.2.9	Blankets, Emergency	Disposable (4 minimum)	1 Case of 10			BH-1550	S-4	2	
10.2.11	Clothing, Modesty	Disposable (minimum of 12)	12 Sets		DuPont Tyvek	TY-198S-WH	S-1	2	
10.2.13	Traffic Cones	Reflective, 18" tall, fluorescent red	6		Grainger	6F-GZ4	C-4	7	
10.2.15	Soap, Soft, Liquid	Hypoallergenic (No Detergent)	1 Pint		Ivory	--	S-4	2	
10.2.16	Chem Tape	Roll 2" x 50'	2 Rolls		Kappler	HM410	C-1	3	
10.2.17	Clothing Removal Tools	Scissors	1		Fieldtex	922-00071	S-4	2	
10.2.18	Personal Property Tracking	Sealable bags, property documentation, approx. 9" x 12"	1 Case of 250		Alert Security	912PPG	S-1	2	
10.3.1	Adaptor, 1 1/2" to Garden Hose	Reducer	2				S-4	2	
10.3.3	Manifold, Light Duty, 4-way	Plastic, 1 1/2" inlet x four garden hose outlets	1		DQE	RV 100	S-3	2	
10.3.4	Hose, Garden	Approx. 25' lengths	4			HM1065	S-4	2	
10.3.5	Hose, Garden, Shut-Off	Straight in-line type, one outlet	2		Orbit	27933	S-4	2	
		Straight in-line heavy duty, one outlet	3		Orbit	9000	S-4	2	
		Branched "Y" type, two outlets	1		Orbit	50305	S-4	2	
10.3.6	Wrench, Hydrant	Adjustable	1		Red Head	105	C-4	Drawe r 7	
10.3.7	Applicator, Garden Nozzles	Adjustable spray pattern, nozzle,	2		Melnor	SKU 229-855	S-4	2	
10.3.8	Applicator, Garden Sprayer	Hand pressure pump sprayer - 2 gallon	1		HBC	HM-6210	S-1	1	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA State ID Number
							Cont.	Tray	
10.4.1	Buckets	Approx. 5 gallon capacity, with screw lids	3 Buckets 3 Lids			--	S-3	1	
Extra	Tote Bag, Tools	Canvas tool tote for 5 gallon bucket	1		Leathercraft	04122	C-4	7	
10.4.2	Bags, Heavy Duty, Yard	Large, 42 gallon, 3 mil (10 minimum)	1 Box of 30		Husky	HK42WC0328	C-2	4	
10.4.3	Bags, Medium Duty, Yard	Medium, 33 gallon, 3 mil (10 min.)	1 Box of 50		UltraSack	HMD891454	C-2	4	
10.4.4	Debris Collection Unit, 30 Gal	Polyethylene, light weight	1			56W31B	S-1	2	
10.4.5	Drum, Containment, 85 Gal	Steel bolt ring type	1			26BSV8	S-1	2	
10.4.7	Drum, Liners, 55 Ga. Capacity	Polyethylene, heavy duty, 15 mil	10			2003	TT-2	-	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA State ID Number
							Comp.	Tray	
11.1.1	Radio, Portable, Individual	Intrinsically safe, as specified, VHF	5 Units		Bendix King Model KNGP150CMD With Antenna # KAA081B	SN: 1550-8234 SN: 1550-8003 SN: 1550-8114 SN: 1550-8235 SN: 1549-8200	CAB	Data Rack Drawer	#180068 #180069 #180070 #180071 #180072
11.1.1a	Radio, Portable, Holster		5 Units		Bendix King Model KAA0415	CABA-1402 Total of 5	CAB	Data Rack Drawer	
11.1.1b	Lapel Microphone		5 Units		Bendix King Model BK KAA0203E	Total of 5	CAB	Data Rack Drawer	
11.1.4	Radio, Portable, In-Suit	Communication interface for totally encapsulating CPC, complete as specified	5 Units		Bendix King Model KAA0226A	Total of 5	CAB	Data Rack Drawer	
11.1.6	Radio, Portable, Batteries	Intrinsically safe, as specified	10 Units		Bendix King Model KAA-0101 Is	SN: 5381-3A-0109 SN: 5391-3A-0213 SN: 5391-3A-0218 SN: 5391-3A-0221 SN: 5391-3A-0223 SN: 5391-3A-0234 SN: 5391-3A-0244 SN: 5391-3A-0255 SN: 5391-3A-0280 SN: 5391-3A-0287	CAB	On Radios or In Charger	
11.1.6a	Radio, Portable, Charger	Vehicle charging unit, 6-gang	1		Bendix King	NCC0380	CAB	Charger	
11.1.6b	Radio, Portable, Belt Clip	Belt clip	5		Bendix King	KAA0400	CAB	Data Rack Drawer	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State ID Number
							Comp.	Tray	
11.2.1	Phone, Cellular	Provided by local agency	1	Provided by Local		--	-	-	
-	Radio, Mobile	138-174 MHz, 50 Watt	1 Base Unit		Bendix King	KNG M150R	CAB	Under Shelf	#180016
-	Radio, Mobile	380-470 MHz, 50 Watt	1 Base Unit		Bendix King	KNG M400R	CAB	Under Shelf	#180017
-	Radio, Mobile	440-520 MHz, 50 Watt	1 Base Unit		Bendix King	KNG M500R	CAB	Under Shelf	#180018
-	Radio, Mobile	763-870 MHz, 50 Watt	1 Base Unit		Bendix King	KNG 800R	CAB	Under Shelf	#180019

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State ID Number
							Comp.	Tray	
12.1.1	SCBA, Complete, Structural	NIOSH certified, with bottle, provided by local agency	5 Units	Provided by Local			C-4	1	
12.1.3	SCBA, Mask	NIOSH certified, provided by local agency	5 Units	Provided by Local			C-4	-	
12.1.7	SCBA, Bottles	Spare bottles	5 Spare	Provided by Local			C-4	-	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State ID Number
							Comp.	Tray	
13.1.1	Shovel, Round Point, Steel	Long handle, garden type	1			Model LH002	C-3	2	
13.1.3	Shovel, Square Point, Steel	Long handle	1			Model TRP31199	C-3	2	
13.1.4	Shovel, Square Point, Plastic	Long handle, polypropylene	1			Item # 3UE40	C-3	2	
13.1.5	Shovel, Scoop	Short handle	1			Item # 18G954	C-3	2	
13.1.6	Broom, Street	Stiff bristle, long handle	1			--	C-3	2	
13.1.7	Drum, Up-Ender	Lifts 55 gallon drums	1			DTP-11	C-3	2	
13.1.8	Hammer, Sledge	Approx. 7 - 10 lbs.	1		Craftsman	T-415	C-3	2	
13.1.9	Bar, Wrecking	Approx. 36"	1		Seymour	WR-36	C-3	2	
13.1.10	Cooler, Rehydration	Approx. 5 gallon capacity	1		Igloo		S-1	1	
13.1.11	Megaphone	Battery operated, 800' range	1		Pyle	PMR-30	C4	7	
13.1.12	First Aid Kit, Large	ANSI Z-308.1, as specified	1 Kit			0100-0501	C-1	2	
13.1.13	First Aid, Trauma, Kit	Includes resuscitator, provided by local agency	1 Kit	Provided by Local			C-1	3	
13.1.14	Medical Monitoring, Kit	May be a separate duffie bag, but item inventory is included in SEL #13.1.12	See #13.1.12	Part of #13.1.12			-	-	
13.1.14a	Scale	Heavy duty, analog	1		Thinne	TH 100	C-1	2	

Inv. #	Item Name	Description	Requirement: (Units, Kits)	Vendor, Supplier	Mfgr, If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State ID Number
							Comp.	Tray	
13.1.16	Zone Marking Kit	Contains marking items as described in its inventory, 1 kit complete	1 Roll Yellow Tape 1 Roll Red Tape 1 Powder Yellow Cont. 1 Powder Red Cont. 2 Crayon Yellow 2 Crayon Red 2 Sticks Yellow Chalk 2 Sticks Red Chalk				C-2	4	
13.1.18	Scope, Spotting	Binoculars, 10 x 100x zoom	1 Unit		Beta Optics	Model KC315B	Under Captains Seat Compartment		
13.2.1	Hammer, Dead Blow	Approx. 32 oz.	1		Nupla	U-2	C-4	Drawer 8	
13.2.2	Hammer, Claw, Carpenters	Approx. 16 oz.	1		Craftsman	3821	C-4	Drawer 6	
13.2.3	Hammer, Engineer	Approx. 48 oz.	1		Craftsman	38309	C-4	Drawer 8	
13.2.4	Hammer, Ball Peen	Approx. 6 oz.	1		Craftsman	1962	C-4	Drawer 6	
13.2.5	Screwdriver, Set, Chisel Point	Kit of 4 different tip sizes	1 Kit of 4		Craftsman	9118	C-4	Drawer 6	
13.2.6	Screwdriver, Set, Philips	Kit of 5 different sizes	1 Kit of 5		Craftsman	47139	C-4	Drawer 6	
13.2.7	Pliers, Ordinary, Utility	Approx. 10", slip-joint	1		Craftsman	45980	C-4	Drawer 6	
13.2.8	Pliers, Wire, Side Cutting	Approx. 8" long, molded grip	1		Greenlee	0151-08M	C-4	Drawer 6	
13.2.9	Pliers, Long Nose, Needle	Approx. 6" long	1		Craftsman	45102	C-4	Drawer 6	
13.2.10	Pliers, Combination, Set	1 - Robo-Grip 10" 1 - Arc-Joint 9 1/2" 1 - Channel Lock 16"	1 Robo 1 Arc 1 Channel		RoboGrip Craftsman Channel Loc	30012 45381 460	C-4	Drawer 6	
13.2.11	Pliers, Locking, Set	1 - Vice Grip curved jaw, 10" 1 - Vice Grip curved jaw, 5" 1 - Vice Grip locking "C" clamp, 9" 1 - Vice Grip, long nose, 6" 1 - Vice Grip, welding clamp	1 Set of 5		Irwin	10CR 5CR 9SP 6LN 24T	C-4	Drawer 8	
13.2.12	Wrench, Allen, Standard	Standard English, 9 sizes minimum	1 Set of 12 Sizes		Allen	56108	C-4	Drawer 6	
13.2.13	Wrench, Allen, Metric	Metric, 9 sizes minimum	1 Set of 12 sizes		Allen	56008	C-4	Drawer 6	
13.2.14	Wrench, Crescent	1 - 10" Crescent Rapid Slide 1 - 15" Crescent adjustable	1 - 10" Rapid 1 - 15" Adj.		Crescent	AC10NKWMP AC-115	C-4	Drawer 6	

Inv. #	Item Name	Description	Requirement (Units, Kits)	Vendor, Supplier	Mfgr. If Known	Model #, Cat. # and/or SKU #	STORAGE		CA. State ID Number
							Comp.	Tray	
13.2.15	Wrench, Crescent, Heavy Duty	1 - 24" extra-long	1		Crescent	AC-124	C-4	Drawer 5	
13.2.16	Wrench, Pipe, Adjustable	1 - 10" 1 - 14"	1 - 10" 1 - 14"		Craftsman	MY51651 MY51652	C-4	Drawer 3	
13.2.17a	Wrench, Pipe, Heavy Duty	1 - pleated jaw with 20" chain	1		Ridgid	4CW48	C-4	Drawer 3	
13.2.17b	Wrench, Pipe, Compound	1 - compound leverage	1		Ridgid	31375	C-4	Drawer 3	
13.2.18	Wrench, Universal, Bung	1 - drum ring and universal bung	1				C-4	Drawer 3	
13.2.19	Wrench, Combination, Box End	1 set to consist of 13 different sizes from 1/4" to 1".	1 Set of 13		Gearwrench	9312	C-4	Drawer 5	
13.2.20	Wrench, Combination, Industrial Sizes	1 Set to consist of 6 X-L sizes: 1 - 1 1/8" combination 1 1/4" combination 1 3/8" combination 1 1/2" combination 1 5/8" combination 1 3/4" combination	1 - 1 1/8" 1 - 1 1/4" 1 - 1 3/8" 1 - 1 1/2" 1 - 1 5/8" 1 - 1 3/4"		Gearwrench	9036 9038D 9062 9042 9046D 9050	C-4	Drawer 5	
13.2.21	Wrench, Socket Set	1 Set to consist of 45 sockets for both English and Metric, 3/8" drive	1 Set, Complete	L	Westward	4YP76	C-4	Drawer 7	
13.2.23	Chisel, Cold	Approx. 7" long x 7/8"	1		DASCO	417-0	C-4	Drawer 6	
13.2.26	Punch Pin, Spring Loaded	Approx. 5" long, center pin	1		ABN	ABN 0834	C-4	Drawer 1	
13.2.27	Tape, Measuring, Retractable	Metal or plastic, 24' minimum	1		Stanley	33-725	C-4	Drawer 7	
13.2.28	Tape, Measuring, Re-Wind	Non-metallic, 50' minimum	1 of 100' Length		Lubkin	706 D	C-4	Drawer 7	
13.2.29	Putty Knife	Scrapping, 2" wide, flexible	1		Hyde	06222	C-4	Drawer 6	
13.2.30	Knife, General Utility	Heavy duty for carpet, thick material, kit consists of two different sizes	1 Set of 2		Craftsman	94835	C-4	Drawer 2	
13.2.31a	Cutting, Bolt, Heavy Duty	Cuts bolts, locks, 26" long	1		Ridgid	14223	C-4	Drawer 8	
13.2.31	Shears, Cutting, Snips	For sheet metal, thick rubber	1		Craftsman	42798	C-4	Drawer 2	
13.2.32	Straps, Ratchet	Kit consists of 2 tie-downs, for plugging kits, 1" x 20', 1,000 lbs. rating	1 Kit				S-3	2	
13.2.33	Stop Watch	Digital or analog	1		Worksmart		C-4	Drawer 3	

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							Comp.	Tray	
13.2.33a	Clamps, T-Throat	Heavy duty "C" type, kit to include: 1 - 2 1/2" dia. 1 - 4 1/2" dia. 1 - 6" dia. 1 - 10" dia.	1 - 2 1/2" 1 - 4 1/2" 1 - 6" 1 - 10"		Kant Twist Clamp	407 415 421 435	C-4	Drawer 2	
13.2.33b	Puller, Nail	Approx. 10", puller and scraper bar	1		Craftsman	37332	C-4	Drawer 6	
13.2.33c	Saw, Hand	Coarse blade, 15" carpenters	1		Irwin	20111201	C-4	Drawer 7	
13.3.1A	Grounding Cable, Heavy Duty Clamps	1 Complete Kit, as described, with special clamps attached both ends.	2 - cables 10' 2 - cables 25'				S-3	2	
13.3.1B	Grounding Rod	1 - 5/8" dia., 6' long, tapered point	1			6256	TT-2	-	
13.3.1C	Grounding Rod Driver	Fits over end of grounding rod	1		Northwest HazMat	R-100	S-3	2	
13.3.3	Vests, I.C., HazMat Group	1 complete set for the 8 positions	1 Set		Disaster Mgmt	633-92-298	C-1	3	
13.3.6	Non-Sparking, Hammer, Sledge	1 - 10 lbs., AMPCO #H-71FG	1		Ampco	2VJ11	C-3	2	
13.3.7	Non-Sparking, Hammer, Claw	1 - 16 oz., AMPCO #H-20FG	1		Ampco	3NY48	C-4	Drawer 1	
13.3.10	Non-Sparking, Screwdriver, Chisel Point	Set of 3 different sizes: AMPCO S-35, S-37, S-39	1 - 3/16" 1 - 1/4" 1 - 5/16"		Ampco	21XV86 46CO66	C-4	Drawer 1	
13.3.11	Non-Sparking, Screwdriver, Philips Point	Set of 3 different sizes: AMPCO S-1099A, S-1099, S-1100	1 - Size "1" 1 - Size "2" 1 - Size "3"		Ampco	4CZ89 4CZ88 4CZ91	C-4	Drawer 1	
13.3.12	Non-Sparking, Pliers, Ordinary	1 - adjustable, 8" long, AMPCO #P-31	1		Ampco	4CZ84	C-4	Drawer 1	
13.3.13	Non-Sparking, Pliers, Wire, Side Cutting	1 - side cutting lineman, AMPCO #35	1		Ampco	1TEB1	C-4	Drawer 1	
13.3.14	Non-Sparking, Pliers, Long Nose	1 - needle nose AMPCO #P-326	1		Ampco	4CZ86	C-4	Drawer 1	
13.3.17	Non-Sparking, Wrench, Bung, Universal	1 - AMPCO model # W-56 1 - AMPCO model # W-58-S	1 1		Ampco	2VJ22 4DC15	C-4	Drawer 3	
13.3.18	Non-Sparking, Wrench, Crescent	1 - 8", AMPCO # W-71 1 - 12", AMPCO # W-73	1 1		Ampco	4DC25 4DC27	C-4	Drawer 1	
13.3.20	Non-Sparking, Wrench, Pipe, Adjustable	1 - 10", AMPCO # W-211AL 1 - 14", AMPCO # W-212AL	1 1		Ampco	4RPC3 4RPC4	C-4	Drawer 3	
13.3.26	Non-Sparking, Knife, Putty	1 - 2" wide, AMPCO #K-20	1		Ampco	4CZ72	C-4	Drawer 1	
13.3.27	Non-Sparking, Shears, Cutting	1 - 8" long, snips, AMPCO #S-1126a	1		Ampco	4RPP3	C-4	Drawer 1	
13.3.30	Refrigerator	Installed in command cab as part of apparatus specifications	1	Included in Apparatus Specs.	Domotic		CAB	-	
13.3.30a	Wheel Chocks	Set of two, aluminum with handles	1 Set of Two				-	-	

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							Comp.	Tray	
-	Streamlight, Hand Held	Hand-held LED flash light, Knuckle Head	5		Streamlight	91628			
-	Streamlight, Charger	Multi-gang charging unit	1		Streamlight	90401			
-	DOT Reflectors	Folding Triangle reflectors, DOT	3			1005			
-	Fire Extinguisher	In cab, portable fire extinguisher ABC	1						
-	Ladder	24' Extension	1				Ladder Comp.		#180020
-	Ladder	14' Roof	1				Ladder Comp.		#180021
-	Ladder	10' Folding	1				Ladder Comp.		#180022