



Fact Sheet

Cal OES Type II Haz Mat Vehicle Program

History

In 1951, the federal government established a program to match state and local funds for the purchase of fire and rescue apparatus and equipment. The program was based on the philosophy that no single fire department could afford to purchase and maintain sufficient apparatus to combat a major natural or human caused disaster. The Governor's Fire Advisory Committee [a forerunner of the Governor's Office of Emergency Services (Cal OES)] recommended that the state purchase 100 fire engines through this program. These engines were assigned to local firefighting agencies throughout the state under the auspices of the Fire Advisory Committee. Presently, the fleet of Cal OES Type I and Type III fire engines has grown to 129, with more on the way. Cal OES has also funded 20 Type II Urban Search and Rescue (US&R) Trailers and 13 Type I Swiftwater Rescue Teams (Cal OES Swiftwater-Flood Search & Rescue Teams). Additionally, Cal OES supports the readiness and operations of California's 8 State/National Urban Search & Rescue (US&R) Task Forces and plays a coordinating and support role in the state's system of 12 Regional US&R Task Forces.



Hazardous Materials Response

In the early 1980's, the accidental or purposeful release (or burning, or explosion) of hazardous materials was recognized as a significant threat to human and animal life, the environment, and property. Many local government fire departments and other agencies established Hazardous Materials Response Teams. The Cal OES began the formalized "typing" of Haz Mat teams in 2003. In 2016, there were 61 "typed" Haz Mat Response Teams in California, with a number of significant gaps in Haz Mat Team response times exceeding two hours. In order to help fill those gaps and safeguard life and the environment by bolstering the state's Hazardous Materials response capabilities, Cal OES has purchased and equipped 12 Type II Hazardous Materials Response Vehicles and funded Haz Mat Specialist training for 17 personnel, respectively, to staff each of those vehicles. Beginning in May 2018, two Cal OES Type II Haz Mat Response Vehicles are being assigned to local government fire departments in each of California's six Mutual Aid Regions, respectively.

Program Dynamics

Today, Cal OES and 12 assignee local government fire departments are parties to a contractual agreement permitting the use of the Cal OES Type II Haz Mat Response Vehicles for local emergency response, out-of-service Haz Mat vehicles, training, exercises, and other needs. In return, the assignee fire departments are required to dispatch the Cal OES Type II Haz Mat Response Vehicles anywhere in the state staffed by the required number of Haz Mat-trained personnel as requested through the California Fire & Rescue Mutual Aid System. This brings the total number of "typed" Haz Mat Teams in California to 73.



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Cal OES Type II Hazmat Vehicle Specifications - ICS Type II Hazardous Materials Response Equipment (All-Haz Mat Risk Response)*

COST: \$800,000.00 fully equipped

CREW: Seating for five personnel

CAB/CHASSIS: 2016 HME AHREMS-FOX Type II Hazardous Materials Vehicle

FIVE RADIOS: Kenwood Special CDF/OES

GENERATOR: Cummings Onan 25 KW

Equipment Includes:

Communications Equipment:

- Intrinsically Safe Radios

Monitoring Detectors:

- 4 Gas Monitor
- Flammable Gas Monitor
- Toxic Gas and Oxygen Monitor
- Radiological Monitor
- Radiological Dosimeters

Personal Protective Clothing:

- Level A Chemical Protective Clothing Ensembles
- Level B Chemical Protective Clothing Ensembles
- High Temperature Gloves
- Ultra-cold Glove

Leak Patching Kits:

- Chlorine "A" Kit for leaks
- Chlorine "B" Kit for leaks
- Chlorine "C" Kit for leaks
- Midland Tank Car Kit for leaks
- Rail Tank Car Patch Kits for leaks
- Tank Truck Patch Kits
- Pipe Patch Kits

Drum Patch Kits for leak Assorted Field Testing Equipment:

- Infra-Red Spectroscopy
- HAZCAT Kit – Unknowns
- Draeger Colometric Tubes - Multi-Sensing Chemical Specific

Assorted Technical Reference Data:

- Computer
- Printer for Immediate Documents
- Weather Station to support Plume Modeling and other needs
- Digital Camera for Scene Characterization and Documentation
- Night Vision Scope
- Infra-red Scope
- Sound Sensing Device
- Television for Situational Awareness

Assorted Absorbing Equipment

Assorted Neutralizing Equipment

Assorted Encapsulating Powders

Assorted Sampling Equipment

Assorted Decontamination Equipment:

- Victim Modesty Garments to support decontamination operations

Assorted Haz Mat-Related Tools

- Intrinsically Safe Flashlights (to prevent explosions)
- Fire Extinguishers

Ladders for Haz Mat Team access

California FIRESCOPE ICS Haz Mat Position Manuals

http://firescope.org/documents/public%20searches/public-viewer-all.php?sorter=1&doc_category=ICS+Hazmat+Position+Manuals&submit=Continue

California Hazardous Materials Operational System Description with FIRESCOPE Standardized Haz Mat Equipment List <http://www.firescope.org/ics-hazmat/pos-manuals/ICS-HM-120-1.pdf>

Cal OES Type II Haz Mat Vehicles:

Haz Mat 11: Los Angeles County Fire Department

Haz Mat 12: Los Angeles Fire Department

Haz Mat 21: Contra Costa County Fire Department

Haz Mat 22: Seaside Fire Department

Haz Mat 31: Yuba City Fire Department

Haz Mat 32: Susanville Fire Department

Haz Mat 41: Modesto Fire Department

Haz Mat 42: Tracy Fire Department

Haz Mat 51: Kern County Fire Department

Haz Mat 52: Fresno Fire Department

Haz Mat 61: San Diego Fire Department

Haz Mat 62: San Bernadino County Fire Department

*Statistics provided by Cal OES's Fire and Rescue Division as of May 7, 2018