



# Sacramento Metropolitan Fire District

## Community Risk Reduction Division

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# HAZARDOUS PRODUCTION MATERIAL (HPM) FACILITIES CHECKLIST

California Fire Code Chapter 18

## Scope

An operational permit is required to store, handle or use hazardous production materials.

## Conditions:

- Emergency control station is provided, staffed, equipped and maintained.
- Supply piping for health hazard 3 or 4 HPM gases and liquids is welded.
- Liquid storage room spill control, secondary containment, ventilation, storage arrangement, fire extinguishing system and fire extinguisher(s) is provided and maintained.
- Rated construction, opening protectives, exits, ventilation, explosion control and emergency alarm at HPM room is provided and maintained.
- Gas cabinets are ventilated, constructed of 12 gauge steel, equipped with self-closing door and sprinklered.
- Exhausted enclosure is of noncombustible construction, ventilated and provided fire extinguishing system.
- Rated construction, fire extinguishing system and ventilation at gas room is provided and maintained.
- Emergency plan and emergency drill records are maintained and available.
- Rated construction and opening protectives are provided and maintained at service corridor.
- Equipment, machinery, processes and associated systems are tested and maintained.
- Class I, Division 2 electrical and electrical equipment is provided within 5 feet of workstations where flammable or pyrophoric gas or flammable liquids are used.
- Class I, Division 1 electrical and electrical equipment is provided at fabrication areas, HPM rooms, gas rooms and liquid storage rooms as applicable.

- Hazardous materials are not used or stored in exit access corridors or enclosures.
- Fire extinguishing, fire detection and fire alarm systems are installed, tested and maintained.
- Emergency alarm, gas detection, ventilation and emergency power systems are installed, tested and maintained.
- Hazardous materials stored and used at fabrication areas do not exceed maximum allowable quantities (MAQ), maximum aggregate quantities or maximum number of control area(s).
- Storage of HPM outside fabrication area in excess of MAQ's is located in liquid storage room, HPM room or gas room.
- Incompatible materials in containers exceeding 5 pounds or 0.5 gallons are separated by minimum 20 feet, non-combustible barrier, storage cabinet or gas cabinet.
- HPM in use at fabrication area are located in gas cabinet, exhausted enclosure or workstation.
- Fabrication workstations are noncombustible or 18 gauge steel and provided drainage.
- Vessels containing HPM are protected from physical damage.
- Compressed gas and cryogenic fluid containers, cylinders and tanks are protected against tampering, physical damage and vehicle impact.
- Compressed gas and cryogenic fluid containers, cylinders and tanks are secured to a fixed object, on a cart, nested or in a rack.
- Pyrophoric liquids and Class 3 water reactive liquids between 0.5-5.3 gallons are located in cabinet constructed of 12 gauge steel and equipped with exhaust ventilation system, spill control, valves and fire detection system.

Additional Requirements may apply