



Sacramento Metropolitan Fire District

Community Risk Reduction Division

www.metrofire.ca.gov

10545 Armstrong Ave., Suite 310 · Mather, CA 95655 · Phone (916) 859-4330 · Fax (916) 859-3717

HAZARDOUS PRODUCTION MATERIAL (HPM) FACILITIES CHECKLIST

California Fire Code Chapter 27

Scope

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

Conditions:

- Emergency control station is provided, staffed, equipped and maintained. (CFC 2703.1)
- Supply piping for health hazard 3 or 4 HPM gases and liquids is welded. (CFC 2703.2.3.2)
- Liquid storage room spill control, secondary containment, ventilation, storage arrangement, fire extinguishing system and fire extinguisher(s) is provided and maintained. (CFC 2703.3.3)
- Rated construction, opening protectives, exits, ventilation, explosion control and emergency alarm at HPM room is provided and maintained. (CFC 2703.3.4 and CBC 415)
- Gas cabinets are ventilated, constructed of 12 gauge steel, equipped with self-closing door and sprinklered. (CFC 2703.10.2/5003.8.6)
- Exhausted enclosure is of noncombustible construction, ventilated and provided fire extinguishing system. (CFC 2703.3.6/5003.8.5)
- Rated construction, fire extinguishing system and ventilation at gas room is provided and maintained. (CFC 2703.3.7/5003.8.4)
- Emergency plan and emergency drill records are maintained and available. (CFC 2703.4/408.4)
- Rated construction and opening protectives are provided and maintained at service corridor. (CFC 2703.3.8/CBC 415.10.3)
- Equipment, machinery, processes and associated systems are tested and maintained. (CFC 2703.5/5003.2.6)

- 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. (CFC 2703.7.2)
- Class I, Division 1 electrical and electrical equipment is provided at fabrication areas, HPM rooms, gas rooms and liquid storage rooms as applicable. (CFC 2703.7.3)
- Hazardous materials are not used or stored in exit access corridors or enclosures. (CFC 2703.8)
- Fire extinguishing, fire detection and fire alarm systems are installed, tested and maintained. (CFC 2703.10/2703.11)
- Emergency alarm, gas detection, ventilation and emergency power systems are installed, tested and maintained. (CFC 2703.12/2703.13./2703.14/2703.15)
- 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). (CFC 2704.2)
- Storage of HPM outside fabrication area in excess of MAQ's is located in liquid storage room, HPM room or gas room. (CFC 2704.3)
- 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. (CFC 2704.3.3/5003.9.8)
- HPM in use at fabrication area are located in gas cabinet, exhausted enclosure or workstation. (CFC 2705.2.1)
- Fabrication workstations are constructed of materials that are compatible with the materials used and stored. (CFC 2705.2.3.1)
- Vessels containing HPM are protected. (CFC 2705.2.3.2)

Additional Requirements may apply