



## **CITY OF MANTECA - FIRE DEPARTMENT**

### **FIRE PREVENTION BUREAU**

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## **HAZARDOUS MATERIALS PERMIT REQUIREMENTS**

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**105.6.21 HAZARDOUS MATERIALS.** An operational permit is required to store, transport on site, dispense, use or handle hazardous materials in excess of the amounts listed in Table 105.6.21.

**Hazardous Materials.** Those chemicals or substances which are physical hazards or health hazards as defined and classified in this chapter, whether the materials are in usable or waste condition.

**407.4 Training.** Persons responsible for the operation of area in which hazardous materials are stored dispensed handled or used shall be familiar with the chemical nature of the materials and the appropriate mitigating action necessary in the event of a fire, leak or spill. Responsible persons shall be designated and trained to be liaison personnel for the fire preplanning emergency responses and identification of where hazardous materials are located, and shall have access to Material Safety Data Sheets and be knowledgeable in the site emergency response procedures.

**5001.1 Waiver.** The provisions of this chapter are waived where the fire code official determines that such enforcement is preempted by other codes, statutes or ordinances. The details of any action granting such a waiver shall be recorded and entered in the files of the code enforcement agency.

**5001.2 Material classification.** Hazardous materials are these chemicals or substances defined as such in this code. Definition of hazardous materials shall apply to all hazardous materials, including those materials regulated elsewhere in this code.

**5001.4 Retail and wholesale storage and display.** For retail and wholesale storage and display of nonflammable solid and nonflammable or noncombustible liquid hazardous materials in Group M occupancies and storage in Group S occupancies. See Section 5003.11.

**5001.5.1 Hazardous Materials Management Plan (HMMP).** Where required by the fire code official, an application for the permit shall include an HMMP. The HMMP shall include a facility site plan designating the following:

1. Access to each storage and use area.
2. Location of emergency equipment.

3. Location where liaison will meet emergency responders.
4. Facility evacuation meeting point locations
5. The general purpose of other areas within the buildings
6. Location of all above-ground and underground tanks and their appurtenances including, but not limited to, sumps, vaults, below-grade treatments systems and piping.
7. The hazard classes in each area.
8. Locations of all control areas and Group H occupancies.
9. Emergency exits.

**5003.2/5003.2.6 System, equipment and processes. Maintenance.**

Equipment, machinery, systems, controls and associated suppression, detection and alarm systems are tested and maintained.

**5003.3 Release of hazardous materials.** Hazardous material container, cylinder, tank, piping, valves and fittings are Underwriter's Laboratory (UL) listed and protected against vehicle impact and physical damage. Hazardous materials are not discharged onto the ground, into the atmosphere or into sewers, storm drains, etc.

**5003.2.7 Liquid-level limit control.** Overfill controls are provided and maintained at atmospheric tanks exceeding 500 gallons.

**5003.4. Material Safety Data Sheets.** Material Safety Data Sheets (MSDS) are readily available on site.

**5003.5. Hazard identification signs** (i.e. NFPA 704 placard) is provided on containers, tanks and building entrances.

**5003.5.1 Markings.** Containers are labeled with their contents (i.e. chemical name and hazard class).

**5003.7.1. Smoking.** "No Smoking" signage is posted.

**5003.7.2. Open flames.** Open flame and high temperature devices are not present.

**5003.8.3. Control areas.** Storage does not exceed maximum allowable quantities and/or number of control area(s).

**5003.8.4 Fire-resistance-rating requirements.** Hazardous material gas rooms are sprinklered and ventilated.

**5003.8.5 Exhausted enclosures.** Hazardous material exhausted enclosure is of noncombustible construction, ventilated and provided fire extinguishing system.

**5003.8.6.1. Construction.** Hazardous material gas cabinets are ventilated, constructed of 12 gauge steel and equipped with self-closing door.

**5003.8.6.3. Maximum number of cylinders per gas cabinet.** Cylinders in gas cabinet do not exceed 3.

**5003.8.7. Hazardous materials storage cabinets.** Hazardous material storage cabinets are UL listed, labeled, constructed of 18 gauge steel and equipped with self-closing and latching door.

**5003.9.3. Protection from vehicles.** Hazardous material tank, piping, valve, fitting and appurtenances are UL listed and protected against vehicle impact.

**5003.9.4. Electrical wiring and equipment.** Class I electrical and electronic equipment is provided and maintained where applicable.

**5003.9.8. Separation of incompatible materials.** 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.

**5003.9.9. Shelf Storage.** Shelving used for storage is of substantial construction, braced, anchored and provided with a lip or guard.

**5003.9.10. Safety Cans.** Safety cans are Underwriter's Laboratory (UL) listed.

**5004.1. Storage.** Spill control and secondary containment is provided for areas exceeding the maximum allowable quantity per control area.

- 4A:80B:C rated fire extinguisher(s) is provided and travel distance does not exceed 50-feet. (Title 19, Division 1, Section 568, Table 2 and 3).

**5003.12 Outdoor control areas.** Outdoor hazardous material control areas are kept clear of combustible materials for a minimum of 15 feet. Outdoor hazardous material control area is located 20 feet from lot line and public way.

**5004.11. Group M storage and display and Group S storage.** Outdoor hazardous material storage areas or tanks are located 25 feet or more from weeds, debris and other combustible material.

**5004.3 Ventilation.** Ventilation, fire suppression system, explosion control, emergency power and emergency alarm is provided and maintained at indoor hazardous material storage and use areas.

**5004.8. Limit Control.** Temperature and pressure controls are provided and maintained.

**5005.3.8. Clearance from combustibles.** Outdoor hazardous material dispensing and use is located 30 feet or more from weeds, debris and other combustible material.

Additional requirements may apply.