



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

### **FIRE PREVENTION BUREAU**

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## **LIQUEFIED PETROLEUM GAS OPERATIONAL PERMIT REQUIREMENTS**

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**105.6.28. LP-gas.** An operational permit is required for the storage and use of LP-gas.

1. Storage and use of LP-gas.

**Exception:** Individual containers with a 500 gallon water capacity or less serving Group R-3 occupancies.

2. Operation of cargo tankers that transport LP-gas.

**LIQUEFIED PETROLEUM GAS.** A fluid in the liquid state composed predominantly of methane and which may contain minor quantities of ethane, propane, nitrogen or other components normally found in natural gas.

**LP-GAS CONTAINER.** Any vessel, including cylinders, tanks, portable tanks and cargo tanks, used for transporting or storing LP-gases.

**6103.1 General.** LP-gas equipment shall be installed in accordance with the California Mechanical Code and NFPA 58.

**6103.2.1.1. Use in basement, pit or similar location.** LP-gas containers shall not be used in a basement, pit or similar location where heavier-than-air gas might collect. LP-gas containers shall not be used in an above-grade underfloor space or basement unless such location is provided with an approved means of ventilation.

**Exception:** Use with self-contained torch assemblies in accordance with the Fire Code.

**6103.2.1.3. Group F occupancies.** In Group F occupancies, portable LP-gas containers are allowed to be used to supply quantities necessary for processing, research or experimentation.

**6103.2.1.4 Group E and I occupancies.** In Group E and I occupancies, portable LP-gas containers are allowed to be used for research and experimentation. Such containers shall not be used in classrooms. Such containers shall not exceed a 50-pound water capacity in occupancies used for educational purposes and shall not exceed a 12-pound water capacity in occupancies used for institutional purposes. Where more than one such container is present in the same room, each container shall be separated from other containers by a distance of not less than 20 feet.

**6104.3 Container location.** LP-gas containers shall be located with respect to buildings, public ways and lot lines of adjoining property that can be built upon, in accordance with Table 6104.4.3.

**6105.1. Nonapproved equipment.** LP-gas shall not be used for the purpose of operating devices or equipment unless such device or equipment is approved for use with LP-gas.

**6106.1 Attendants.** Dispensing of LP-gas shall be performed by a qualified attendant.

**6107.1 Safety devices.** Safety devices on LP-gas containers, equipment and systems shall not be tampered with or made ineffective.

**6107.2 Smoking and other sources of ignition.** "No Smoking" signs complying with the Fire Code shall be posted when required by the fire code official. Smoking within 25 feet of a point of transfer, while filling operations are in progress at containers or vehicles, shall be prohibited.

**6107.3. Clearance to combustibles.** Weeds, grass, brush, trash and other combustible materials shall be kept a minimum of 10 feet from LP-gas tanks or containers.

**6108 Fire protection.** Portable fire extinguishers complying with the Fire Code shall be provided as specified in NFPA 58.

**6109.4. Separation from means of egress.** Containers stored in buildings in accordance with the Fire Code shall not be located near exit access doors, exits, stairways, or in areas normally used, or intended to be used, as a means of egress.

**6109.5 Quantity.** Empty containers that have been in LP-gas service shall be considered as full containers for the purpose of determining the maximum quantities of LP-gas allowed in the Fire Code.

**6109.6 Storage on roofs.** Containers which are not connected for use shall not be stored on roofs.

**6109.12 Location of storage outside of buildings.** Storage outside of buildings of containers awaiting use, resale or part of a cylinder exchange program shall be located in accordance with Table 6109.12.

**6109.13 Protection of containers.** LP-gas container shall be stored within a suitable enclosure or otherwise protected against tampering. Vehicle impact protection shall be provided as required by Section 6107.4.

**6110.1 Temporarily out of service.** Containers whose use has been temporarily discontinued shall comply with all of the following.

1. Be disconnected from appliance piping.
2. Have container outlets, except relief valves, closed or plugged.
3. Be positioned with the relief valve in direct communication with container vapor space.

**3110.2 Permanently out of service.** Containers to be placed permanently out of service shall be removed from the site.

- Containers shall be stored within a suitable enclosure or otherwise protected against tampering.
- Where exposed to vehicular damage due to proximity to alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with the Fire Code. Where the provisions of container protection are impractical at construction sites or at buildings or structures undergoing major renovation or repairs, the storage of containers shall be as required by the fire code official.

Additional requirements may apply