

**COUNTY OF LOS ANGELES FIRE DEPARTMENT
FIRE PREVENTION DIVISION
PETROLEUM CHEMICAL UNIT PLAN CHECK REQUIREMENTS**

**LIQUEFIED PETROLEUM GASES
ABOVE GROUND STORAGE/DISPENSING**

All plans shall comply with Chapter 61 of the 2020 Los Angeles County Fire Code and NFPA 58.

I. Plan Check Requirements

- ☐ Minimum of 3 copies of construction documents (minimum size 11"x14") with "Wet Stamp" on plans indicating the plans have been approved by a registered design professional. Please allow up to 10 business days for approval process and possibly longer for any corrections required for re-submittal. (CFC 105.4.1)
- ☐ Attach copy of receipt or other documentation that the City or County Public Works is aware of the project and has collected appropriate fees
- ☐ Reference tables used for separation distances by CFC or NFPA shall be included in construction documents. (Requested by AHJ).
- ☐ Contact the Division of Occupational Safety & Health (DOSH) Division of Pressure Vessel Unit at (714) 567-7208 prior to granting final fire department permit for LPG tank installations above 125 gallons water capacity.
- ☐ LPG Containers shall be designed, fabricated, tested, marked or stamped in accordance with D.O.T. or ASME Standards. NFPA 58

II. Tank Design and Construction

- ☐ LPG Containers shall be designed, fabricated, tested, marked or stamped in accordance with D.O.T or ASME Standards (NFPA 58)
- ☐ Manual valves or automatic remotely activated fail-safe emergency shutoff valves shall be installed on supply piping and tubing and provided with ready access at the following locations: point use and at source. Shut off shall be labeled (CFC 5003.2.2.1)
- ☐ Machinery and equipment utilizing hazardous materials shall be braced and anchored in accordance with the seismic design requirements of the California Building Code. (CFC 5003.2.8)

III. LPG Location on property

- ☐ Container Location: Multiple LP-gas container installations greater than 180,000 gallons shall follow Table 6104.3 of CFC
- ☐ Location of LP-gas container minimum separation between buildings, public ways, or lot lines of adjoining property that can be built upon shall follow Table 6104.3
- ☐ Storage within a building not frequented by the public shall not exceed 735lb water capacity. Storage within a building frequented by the public shall not exceed 200lb water capacity (LAC Fire V7-C3-C12)
- ☐ Maximum capacity within established limits: For the protection of heavily populated or congested areas, the aggregated capacity of any one installation shall not exceed a water capacity of 2,000 gallons (CFC 6104.2)
- ☐ LP-gas containers shall be located with respect to above ground flammable and combustible liquid tanks, oxygen or gaseous hydrogen containers, flooding or electric power lines as specified in Section 6.5.3 (NFPA 58/ CFC 6104.3.2)
- ☐ Multiple LP-gas container installations greater than 180,000 gallons shall follow Section 6104.4
- ☐ Container orientation – Containers shall be oriented so that the longitudinal axes do not point toward other LP-gas containers, vital process equipment, control rooms, loading stations or flammable liquid storage tanks (NFPA 58/ CFC 6104.6)

IV. Fire Protection

- ☐ Where exposed to vehicular damage due to proximity alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with NFPA 58
- ☐ Fire protection shall be provided for installations having LP-gas storage with a water capacity of more than 4,000 gallons (15 140L), as required by section 6.29 of NFPA 58 (CFC 6108.1)
- ☐ Portable fire extinguishers complying with section 906 shall be provided as specified in NFPA 58 (CFC 6108.2)
- ☐ “No smoking” signs complying with Section 310 shall be posted where required by the fire code official. Smoking within 25ft of point of transfer, while filling operations are in progress at LP-gas containers or vehicles, shall be prohibited (CFC 61207.3)
- ☐ NFPA 704 Placard shall be provided in accordance with CFC 5003.5