

## **STRUCTURES OVER PROPANE TANKS**

### **NFPA 58:**

- 6.4.4.2** Buildings shall not be constructed over any underground or mounded containers.
- 6.4.7\*** Structures such as fire walls, fences, earth or concrete barriers and other similar structures shall not be permitted around or over installed nonrefrigerated containers unless specifically allowed as follows:
- (1) Structures partially enclosing containers shall be permitted if designed in accordance with a sound fire protection analysis.
  - (2) Structures used to prevent flammable or combustible liquid accumulation or flow shall be permitted in accordance with 6.4.5.3.
  - (3) Structures between LP-Gas containers and gaseous hydrogen containers shall be permitted in accordance with 6.4.5.9.
  - (4) Structures such as fences shall be permitted in accordance with 6.18.4.
- 6.4.7A** The presence of such structures can create significant hazards, such as the following:
- (1) Pocketing of escaping gas
  - (2) Interference with application of cooling water by fire departments
  - (3) Redirection of flames against containers
  - (4) Impeding the egress of personnel in an emergency

### **6.18.4 Security and Protection Against Tampering for Section 6.18 and Section 6.24 Systems.**

*Section 6.18 applies to Bulk Plant and Industrial LP-Gas Systems.*

*Section 6.24 applies to Vehicle Fuel Dispenser and Dispensing Stations.*

---

### **California Code of Regulations, Title 8, Article 108, Section 5157:**

***Permit-Required Confined Space*** (Permit Space): a confined space that has one of the following characteristics:

- (1) Contains or has a potential to contain a hazardous atmosphere;
- (2) Contains a material that has the potential for engulfing an entrant;
- (3) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross-section; or
- (4) Contains any other recognized serious safety or health hazard.