



UNDERGROUND LPG TANK INSTALLATION
WORKSHEET

OFFICE OF STATE FIRE MARSHAL
OREGON STATE POLICE
(503) 373-1540, Ext. 264 or 274
TDD Line: (503) 390-4661
Fax: (503) 373-1825

Tank No: _____

OSFM OFFICE USE ONLY

Complete one worksheet (front and back) that correspond to the method of cathodic protection system installed for each underground tank. Attach this worksheet to the tank installation notice sent to Office of State Fire Marshal.

Customer: _____ Customer Phone: _____

Tank Installed at This Address: _____

City: _____ County: _____ State: _____ Zip: _____

Water Capacity: _____ Container Serial Number: _____ Make of Tank: _____

ASME Tank Information: NFPA 58: 2004 edition

- New tank: Used tank: Tank manufacture name: _____ Manufacture I.D. plate attached: YES NO
- Approved underground tank installed with no vehicle traffic shall be at least 6 inches below grade. NFPA 58: 6.6.6.1(a).
- Approved interchangeable aboveground/underground installation, maximum depth. 12 inches below grade NFPA 58: 6.6.6.1(e)
- Approved non-interchangeable underground installation shall have a minimum depth of 18 inches or provide adequate vehicle protection for all appurtenances. NFPA 58: 6.6.6.1(b)

Location of Tank: NFPA 58: 2004 edition

- YES NO Tank installation is outside and not underneath existing or planned buildings. NFPA 58: 6.4.4.1 & 6.4.4.2
- YES NO Tanks of 125-gallon water capacity and under at least 10 feet from all buildings and property lines. NFPA 58: Table 6.3.1
- YES NO Capacity from 125 - 2000 gallons is at least 10 feet away from all buildings and property lines? NFPA Table 58: Table 6.3.1
- Capacity from 2001 gallons and larger shall be 50 ft from buildings / property lines. NFPA Table 58:3.2.2.2
- YES NO All sources of ignition at least 10 feet away from tank appurtenances. NFPA 58: Annex figure I:1(b)

Tank Installation: NFPA 58: 2004 edition

- YES NO Underground tank installed upon a level surface. NFPA 58: 6.6.6(K) & (L).
Check support system: concrete blocks concrete pad firm packed earth.
- YES NO Adequate vehicle protection of tank appurtenances. NFPA 58: 6.6.6.1(b), (c), (d) & NFPA 58: Annex 8.4.2.2.
- YES NO Minimum 14 AWG corrosion resistant tracer wire (entrenched) being visible at riser or building. NFPA 58: 6.8.4.6.
Note: Local authority having jurisdiction may require a heavier gauge tracer wire.
- YES NO Tanks shall be coated to protect against corrosion. NFPA 58: 6.6.6.1(I), NFPA 58: 6.6.1.4, NFPA 58:Annex A 6.6.6.3(3) & (4)

Pressure Relief Devices: NFPA 58: 2004 edition

- YES NO Adequate protection provided to prevent water or debris from entering the relief valve or discharge piping. NFPA 58: 6.7.2.4.

Underground tanks with less than 2000 gal. Capacity:

- YES NO If relief device discharges into manhole or protective shroud, the manhole shall be equipped with ventilated louvers or passive system to provide ventilation. NFPA 58: 6.7.2.11 (*See exceptions for dispensing stations*)
- YES NO If discharge piping has been installed has the relief valve capacity been verified as adequately meeting its discharge capacity. NFPA 58: 6.7.2.15, 5.7.2.5.

Underground tanks with more than 2000 gal. Capacity:

- YES NO Discharge from pressure relief is piped vertically and directly upward to a point at least 7 feet above the ground level. NFPA 58: 6.7.2.12 (*See exceptions for dispensing stations*)

Underground pipe installations: NFPA 58: 2004 edition

- YES NO Underground metallic piping shall be protected against corrosion, as warranted by soil conditions according to accepted engineering practices. NFPA 58: 6.8.3.14, 6.14.

