



# OFFICE OF THE STATE FIRE MARSHAL



**JANICE K. BREWER**  
GOVERNOR

**GENE PALMA**  
DIRECTOR

**ROBERT BARGER**  
FIRE MARSHAL

1110 WEST WASHINGTON, SUITE 100  
PHOENIX, ARIZONA 85007  
(602) 364-1003  
(602) 364-1084 FAX

## PRE-BURIAL INSPECTION FOR UST'S

- Contractor to have State Approved Plans & Permit on site
- Contractor to furnish inspector with Bill of Lading of tank(s) that will state tank size, tank material construction, and tank serial number(s).
- Inspector to check Identification Certification of worker(s) installing tank and related equipment.
- Contractor to fill dispenser sumps with water to a level above the sump penetrations.
- Contractor to fill containment sump on fuel tank(s) with water to a level above the highest sump penetration inside the sump.
- Contractor to pressurize the product lines with air to 50 p.s.i. Pressure gauge used for this test should be Zero to sixty ( 0 – 60 p.s.i.g.)
- Contractor to pressurize the secondary containment lines with air to 5 p.s.i. Pressure gauge used for this test should be Zero to fifteen (0-15 p.s.i.g.) for flexible piping. Test rigid piping at 10 p.s.i.g.. Pressure gauge needs to be 0 – 15 p.s.i.g.
- Contractor to pressurize the fuel tank with air to a pressure not to exceed 5 p.s.i..
- Contractor to pressurize vent line / vapor recovery lines with air to a pressure not to exceed 10 – 15 p.s.i.g.. A pressure gauge used for this test should be Zero to fifteen ( 0 – 15 p.s.i.g.).
- Contractor to utilize soap / water solution to leak test all joints of piping and fittings. Any bubbles shall void any further testing of system.
- Inspector to verify depth of cover for fuel tank: In non-traffic area, 24 inches for no pavement, 12 inches backfill plus 6 inches of asphalt, 12 inches backfill plus 4 inches of reinforced concrete. Depth of cover in traffic area, 36 inches for no pavement, 30 inches backfill plus 6 inches of asphalt, 18 inches backfill plus 8 inches of reinforced concrete.

- Inspector to verify depth for piping installation: Trench dimensions should be, 6 inches of bedding, 6 inches from trench walls, 18 inches below grade with pea gravel, or compacted sand.
- Inspector to verify slope of piping back to the fuel tank(s); 1/8 to ¼ inch slope per foot.

Upon approval from inspector, the contractor can continue back-filling of pea gravel or sand in the piping trenches and fuel tank(s).

A final inspection is required when the contractor has covered the surface areas with asphalt / concrete; assembled the fuel island dispensing pumps, and all electrical; emergency shut-off devices installed; and fuel monitoring equipment installed such as a Veeder Root system. All appropriate signage will be in place; portable fire extinguishers installed; and communication test between the store operator and fuel dispensers. This form is used only as a guide. Final approval is contingent upon favorable field inspection.