



UNDERGROUND STORAGE TANKS INSTALLATION CHECKLIST

GENERAL:

- Plans (as built plans only) - 3 sets 18x24
- Buoyant - must be anchored - provide water table information on plans
- Building Foundations - not transmit loads

DISTANCES:

- Wall, Basement, Pits - not less than one foot
- Property Line - Not less than three feet (the tank can be built upon)
- Each tank at least one foot apart - Fiberglass two feet apart
- Foundation - at least one foot
- No Vehicular Traffic - not less than two feet earth plus 4 inches of concrete extending one foot beyond tank
- Vehicular Traffic - at least three feet deep or 18 inches backfill reinforced concrete – extending one foot beyond tank
- LAFD Tank Approved
- Secondary Containment - Tank & Piping; Sumps required around all tank openings monitored, Dispenser containment boxes
- Monitoring System Approved (Installation/testing procedures must be included – 1 copy)
- Alarm Box Location Shown, normally occupied location
- Impact Valve - with flex connector or welded throughout

VENTING:

- One Fill Only - Must have vent not less than 1 1/4" in diameter
- Vapor Recovery Vent not less than 2" in diameter
- Vent Pipes - 18" above highest point of roof and bldg. within 15 ft. of termination point or 12 ft. above ground level - not less than 10 ft. from bldg. opening without sag or trap
- Semi-Horizontal Run - 1/4" fall for each 1 foot of horizontal run

FILL SUCTION DELIVERY SYSTEM:

- Vent, Vapor Recovery and Product Return Lines - Ball Check Valves, 1/4" per foot slope all piping back to tank approved locations.

PRESSURE DELIVERY SYSTEM:

- Piping must be secondarily contained and monitored or single wall with leak detection and total shutdown upon alarm, 1/4" Ball Checks

Note: Product and product return piping always secondarily contained in both systems

FILL BOX:

- Approved Fill Box - liquid tight
- Minimum one inch above adjacent ground level

SERVICE OPENINGS:

- Minimum one inch above adjacent ground level liquid tight
- Monitoring service openings must be serviceable

OVERFILL PREVENTION EQUIPMENT:

- Automatic Shutoff Device in tank, Float Valve Device required

OVERSPILL PREVENTION:

- 5 gallon maximum capacity

REMOTE FILL:

- Audible Alarm at 90% and Automatic Shutoff Device at 95% tank capacity
- Dispenser Containment Boxes to be monitored
- Secondary Emergency Shutoffs