BAYTOWN FIRE MARSHAL'S OFFICE

201 E. Wye Dr., Baytown, TX 77521 281-422-2311

Flammable & Combustible Liquid Storage Tank Inspection

IFC Chapter 22 & NFPA 30 & 30A

Tank installation address:_____ Inspection Date:_____

Business Name: _____

Contractor Business Name:_____ Contr. License #:_____

Contractor Address: _____ Contr. Phone #: _____

Building Permit #: _____ Fire Permit #:_____

Tank Inspection Prior to Placement in the Pit

	Product	Capacity	Diameter	UL Number	
Tank 1	_____	_____	_____	_____	_____
Tank 2	_____	_____	_____	_____	_____
Tank 3	_____	_____	_____	_____	_____
Tank 4	_____	_____	_____	_____	_____

☐ Public ☐ New ☐ Underground ☐ Single wall ☐ Steel

☐ Private ☐ Used ☐ Above ground ☐ Double wall ☐ Fiberglass

☐ Does contractor have a copy of the approved set of plans on the jobsite?

☐ Tanks condition is acceptable ☐ Tanks are properly marked with UL Identification

☐ Tank air tightness test:

_____ Air pressure on the tank (3-5 psi for minimum of 1 hour.).

☐ Interstitial space of double-walled tanks shall be tested either by :

_____ Air pressure on the tank (3-5 psi for minimum of 1 hour.) **OR**

_____ vacuum at 2.6 for a minimum of 1 hour. **OR**

_____ in accordance with the manufacturer's instructions

☐ Verify that clean backfill is available: free of rocks, trash or debris. (Pea gravel must be used with fiberglass tanks)

Tank Inspection After Placement in the Pit

Tank Depth: ____ ft.

Foundation: ☐ Rock ☐ Reinforced Concrete ☐ Earth/Deadman ☐ Other _____

☐ Tanks are located a minimum of 10 feet from lot lines and buildings.

☐ A minimum distance of 1 foot between tanks, shell to shell, must be maintained.

☐ Tank air tightness test: _____ air pressure on tank (3-5 lbs. min.) after placement in pit.

☐ Tanks are properly anchored. Exception: acceptable hydrology study.

☐ Sampling tubes of a minimum of 6 inches in diameter are installed for each underground storage tank.

☐ Tanks not subject to vehicular traffic shall be covered with a minimum of:

- ☐ 12-inches of backfill and 12-inches of clean earth **OR**
- ☐ 12-inches of backfill and 4-inches of reinforced concrete.

☐ Tanks that are subject to vehicular traffic shall be covered with a minimum of:

- ☐ 36-inches of backfill **OR**
- ☐ 18-inches of compacted backfill plus 6-inches of reinforced concrete that extends at least 1 foot beyond the outline of the tanks, **OR**
- ☐ 18-inches of compacted backfill plus 8-inches of asphaltic concrete that extends at least 1 foot beyond the outline of the tanks.

Tank & Piping Inspection Prior to Cover-Up

☐ Backfill properly placed around the tanks. (all openings and fittings must remain exposed)
Fill material should be properly tamped against the belly of the tank to fill all voids.

☐ **Covering:** ____ in. of sand/gravel ____ in. of earth ____ in concrete/asphalt

☐ All piping and valves must be UL listed or of an approved type.

☐ All underground piping shall be installed on at least 6 inches of well-compacted bedding material.

☐ Piping within the same trench shall be separated (horizontally or side by side) by at least 6 inches.

☐ Multiple levels of piping within the same trench must be separated (vertically) by at least 6 inches of well compacted bedding material.

☐ Piping must be supported and separated to prevent damage and vibration.

☐ All piping shall be tested before being covered, enclosed, or placed in use.

All piping testing shall be done:

- ☐ Hydrostatically to 150 % of the maximum anticipated pressure of the system, **OR**
- ☐ Pneumatically to 110 % of the maximum anticipated pressure of the system.
- ☐ Test pressures shall be maintained while a complete visual inspection of all joints and connections **OR** for not less than 10 minutes, whichever is greater.
- ☐ Vented storage tanks shall be tested independently from the piping.

☐ The interstitial space of secondary containment-type piping shall be tested:

- ☐ Hydrostatically at a gauge pressure of 5 psi **OR**
- ☐ Air pressure at a gauge pressure of 5 psi **OR**
- ☐ In accordance with the manufactures instructions.
- ☐ The pressure source shall be disconnected from the interstitial space to ensure a closed system.
- ☐ The test pressures shall be maintained for at least 1 hour.

Final Tank / Pump(s) Inspection

☐ Vent pipe is at least 12 feet above grade and properly vented.

☐ Emergency shut-off must be located within 20 – 100 feet of all dispensers.

☐ Overfill protection - (5 gal. minimum at each fill connection)

☐ Vehicle impact protection (bollards, etc.) where necessary.

☐ Approved signage (No smoking, shut off engine, etc.)

☐ Fire extinguisher - 3A40BC min. (8 lbs.) within 75 feet of all dispensers

Tank Removal

TANKS: ☐ Steel ☐ Fiberglass

WALLS: ☐ Single ☐ Double

LINES: ☐ Single ☐ Double

Prior leaks: Date: _____ Type of remediation: _____

Inspection prior to underground removal - LEL: _____ <20ppm - prior to removal from pit.

Tank Destination address: _____

Transporting Company Name: _____

Transporting Company Phone #: _____

Visual: ☐ inspect tank for leaks once loaded on trailer, prior to departure.

TCEQ Representative: _____ TCEQ Rep. Phone #:_____

Fire Inspector: _____ Date: _____