

Underground Storage Tank Facility Plan Application
 for Storage on the
 Edwards Aquifer Recharge and Transition Zones
 and Relating to 30 TAC §213.5(d), Effective June 1, 1999

REGULATED ENTITY NAME: _____

UNDERGROUND STORAGE TANK (UST) SYSTEM INFORMATION

1. Tanks and substance to be stored:

UST Number	Size (Gallons)	Substance to be Stored	Double-wall Tank Material
1			
2			
3			
4			
5			

— Tanks will be fiberglass-reinforced plastic which meet UL Standard 1316 and ASTM Standard D 4021.

— Tanks will be steel which meet STI Standards, UL Standard 58, or other applicable UL standards for double-wall steel tanks.

— **ATTACHMENT A - Alternative Design and Protection Method for Tanks.** Information required by 30 TAC §334.43, relating to variances and alternative procedures is found as **ATTACHMENT A** at the end of this form.

2. Product delivery piping materials to be used:

— Double-wall fiberglass-reinforced plastic piping that meets UL Standard 971 and UL Standard 567.

— Double walled coated steel piping that is cathodically protected according to 30 TAC §334.49, and meeting the applicable standards in NFPA 30, API 1615, and API 1632.

— **ATTACHMENT B - Alternative Design and Protection Method for Piping.** Information required by 30 TAC §334.43, relating to variances and alternative procedures is found as **ATTACHMENT B** at the end of this form.

3. — **ATTACHMENT C - Detailed Narrative of UST Facility.** A detailed narrative description of the proposed UST Facility is found as **ATTACHMENT C** at the end of this form. Note: Example descriptions for new UST installations are provided in the instructions (TCEQ-0583-Instructions).

4. Any new underground storage tank system that does not incorporate a method for tertiary containment shall be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature as required by 30 TAC §213.5(d)(1)(B).

- The UST system(s) will not be installed within 150 feet of a domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- ATTACHMENT D - Tertiary Containment Method.** The UST system(s) will be required to have tertiary containment provided. There is no sanitary control easement for a public water supply well. A description of the method to provide tertiary containment is found as **ATTACHMENT D**.

5. Corrosion protection equipment to be installed or type of non-corrodible materials:

Equipment	Corrosion Protection (Method)
Tanks	
Product Delivery Piping	
Vapor Recovery Piping	
Submersible Pumps	
Flex Connector (dispenser end)	
Flex Connector (pump end)	
Riser	

6. Overfill protection equipment to be installed:

- Overfill prevention restrictor positioned at **90%** capacity.
- Overfill prevention valve positioned at **95%** capacity.
- Overfill audible and visual alarm positioned at **90%** capacity.

7. Internal leak detection equipment is required and must provide continuous monitoring of the UST system (tanks and piping). The equipment must be capable of immediately alerting the operator of a possible leak. Release detection equipment to be installed: (Check all that apply)

- Central on-site monitor
- Interstitial tank probes
- Automatic tank gauge
- Pump/manway sump probes
- Observation well probes
- Mechanical line leak detectors (for pressurized lines only)
- Automatic (electronic) line leak detectors

EXCAVATION AND BACKFILL

8. The depth of the tank excavation will be sufficient to accommodate piping fall requirements, tank diameter, bedding, and a minimum cover of three (3) feet [30 TAC §334.46].
The depth of the tank excavation will be _____ feet.

9. The minimum thickness of the tank bedding will conform to 30 TAC §334.46(a)(5)(C and D). The tank bedding thickness will be _____ inches.
10. The material to be used as backfill will conform to 30 TAC §334.46(a)(5)(A) and will consist of:
- Clean washed non-corrosive sand
 - Pea gravel
 - Crushed rock
 - Other: _____
11. The slope of the product delivery line(s) will conform to 30 TAC §334.46(c)(2) and will be _____ (1/8" per foot minimum).

SITE PLAN

Items 12 through 22 must be included on the Site Plan.

12. The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = _____.
13. 100-year floodplain boundaries
- Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - No part of the project site is located within the 100-year floodplain.

The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s):

14. The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc.
- The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.
15. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):
- There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply)
 - The wells are not in use and have been properly abandoned.
 - The wells are not in use and will be properly abandoned.
 - The wells are in use and comply with 16 TAC §76.
 - There are no wells or test holes of any kind known to exist on the project site.
16. Geologic or manmade features which are on the site:
- All **sensitive** geologic or manmade features identified in the Geologic Assessment are shown and labeled.
 - No **sensitive** geologic or manmade features were identified in the Geologic Assessment.
 - ATTACHMENT E - Exception to the Geologic Assessment.** An exception to the Geologic Assessment requirement is requested and explained at the end of this form.
17. The drainage patterns and approximate slopes anticipated after major grading activities.

- 18. Areas of soil disturbance and areas which will not be disturbed.
- 19. Locations of major structural and nonstructural controls. These are the temporary best management practices.
- 20. Locations where soil stabilization practices are expected to occur.
- 21. Surface waters (including wetlands).
- 22. Locations where stormwater discharges to surface water or sensitive features.
 There will be no discharges to surface water or sensitive features.

UST SYSTEM PROFILES

- 23. **ATTACHMENT F - Profile Drawing(s).** A profile drawing(s) is attached of the proposed UST system with all components shown and labeled.

BEST MANAGEMENT PRACTICES

- 24. **ATTACHMENT G - Initial and Continuing Training.** A description of the initial and continuing training of on-site personnel for operation of release detection equipment is provided as **ATTACHMENT G**. The description should include how personnel will respond to warning and alarm conditions of the leak detection monitoring system.
- 25. **ATTACHMENT H - Release Detection Maintenance.** A description of the program and schedule for maintaining release detection and cathodic protection equipment is provided at **ATTACHMENT H**. Any such equipment should be operated and maintained in accordance with the manufacturer's specifications and instructions.

ADMINISTRATIVE INFORMATION

- 26. A Water Pollution Abatement Plan (WPAP) is required for construction of any associated commercial, industrial or residential project located on the Recharge Zone.
 - The WPAP application for this project was approved by letter dated _____. A copy of the approval letter is attached at the end of this application.
 - The WPAP application for this project was submitted to the TCEQ on _____, but has not been approved.
 - A WPAP application is required for an associated project, but it has not been submitted.
 - There will be no building or structure associated with this project. In the event a building or structure is needed in the future, the required WPAP will be submitted to the TCEQ.
 - The proposed UST is located on the **Transition Zone** and a WPAP is not required.
- 27. UST systems must be installed by a person possessing a valid certificate of registration in accordance with the requirements of 30 TAC Chapter 334 Subchapter I.
- 28. This facility is subject to and must meet the requirements of 30 TAC Chapter 334, including but not limited to the 30 day construction notification and reporting and cleanup of surface spills and overfills.
- 29. Upon completion of the tankhold excavation, a geologist must certify that the excavation was inspected for the presence of sensitive features. The certification must

be submitted to the appropriate regional office. If sensitive features are found, then excavation near the feature may not proceed until the methods to protect the Edwards Aquifer are reviewed and approved by the executive director.

- 30. ___ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

- 31. ___ Any modification of this UST application will require TCEQ approval, prior to construction, and may require submission of a revised application, with appropriate fees.

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. All components used for this facility are U.L. listed or certified by a 3rd party and are compatible and will function pursuant to 30 TAC §213.5(d) and 30 TAC Chapter 334 Subchapter C. This **UNDERGROUND STORAGE TANK FACILITY PLAN APPLICATION** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent

Signature of Customer/Agent

Date