

EQUIPMENT TO BE INSTALLED

TANK # (As on map)	1.	2.	3.	4.
Capacity (gallons)				
Material stored (Specify grade for gasoline)				
Material of construction				
Manufacturer name				
Secondary containment				
Corrosion protection (Specify type)				
Vapor recovery (Stage 1/ stage 2 installed/capable)				
Spill containment (y/n)				
Overfill protection type				
Tight fill connection (y/n)				
PIPING/DISPENSER SYSTEM	1.	2.	3.	4.
Material of construction				
Manufacturer name				
Diameter				
Secondary containment				
Corrosion protection (Specify type)				
Pump type, mfr.				
Vertical check valve y/n				
Line leak detector mfr				
Anchored impact valves (y/n)				
Dispenser spill containment (y/n)				
Automatic shut-off dispenser nozzles (y/n)				
LEAK DETECTION/ MONITORING SYSTEM				
Description				
Manufacturer				
UL listing #				
Detection limits				

GENERAL UST SYSTEM CONSTRUCTION NOTES

1. Contact the City of Austin Development Services Department (DSD) for UST inspections at least 24 hours prior to commencement of approved UST construction activities and leak testing operations, at 974-3024.
2. UST installation must follow all applicable City, State and Federal construction and safety regulations and guidelines. In addition to the requirements in this rule, the installation of UST shall be in accordance with the 2009 International Fire Code.
3. All excavations and stockpile material will be controlled by some type of erosion and sedimentation control (ESC) device. **Indicate the stockpile location and ESC method on the site map, as well as the flow direction and inlet location.** Before hauling any material from site, the City must be notified at 974-2715 with truck company name and the location of the disposal site.
4. Required separation distances for double wall tanks: 2' to excavation walls and other tanks and 1' to excavation floor.
5. Tops of tanks required to be at same elevation.
6. Piping must slope minimum 1/8" per linear foot towards tank.
7. Final cover over tanks must bear anticipated loads - minimum 2' of backfill and 6" of reinforced concrete or 8" of asphalt.
8. Final cover must extend 2' past tanks for double walls and 1' past excavation for liner and vaulted systems.
9. Tanks must be ballasted by water or product after installation. If ballasting with hazardous materials/fuel, a hazardous material storage permit is required to be approved and all spill and overflow protection is required to be installed.
10. In areas where the tank may become buoyant due to a rise in the level of the water table or due to location in an area that may be subjected to flooding, suitable precaution shall be taken to anchor the tank in place. Indicate the method to be used.
11. Backfill must be washed sand, pea gravel 1/8" - 3/4" diameter, rounded aggregate, or stone/gravel crushing's 1/8" - 1/2" angular particle size (ASTM C-33).
12. Backfill to be compacted in 12" lifts to mid-level of tanks or lines, packed under tanks to eliminate voids.
13. Vent lines shall terminate not less than 12' (twelve feet) above adjacent ground level, have caps, and not be obstructed in any way.
14. All new UST's and piping must be air tested for leakage to the following specifications after installation and before being put in use. Contact the City of Austin DSD to schedule an inspection, per note 1 above.
 - A. Double-wall tank installation air test:
 - a) Primary containment - soap test at manufacturer's recommended test pressure but not less than 3 or more than 5 psig for 1 hour minimum.
 - b) Secondary containment - soap test at manufacturer's recommended test pressure but not less than 2 or more than 5 psig for 1 hour minimum.
 - B. Piping installation air test:
 - a) Primary piping soap tested with air pressure of at least 110% of maximum anticipated line pressure but not less than 30 psig or hydrostatically tested with a minimum of 150% of anticipated line pressure but not less than 30 psig.
 - b) Secondary containment piping soap tested with a minimum air pressure of 5 psig or hydrostatically tested at a minimum pressure of 10 psig.

UNDERGROUND STORAGE TANK SYSTEM CLOSURE PLAN

(Complete this page if tanks or piping are to be removed)

DESCRIPTION OF EQUIPMENT TO BE CLOSED:

TANK CAPACITY	PREVIOUS CONTENTS	TANK MATERIAL	MONTH/YR. INSTALLED	MONTH/YEAR LAST IN USE	TEST FAILURE LEAK HISTORY Y/N	PIPING TO BE PULLED Y/N
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

BURIAL DEPTH: _____ TYPE BACKFILL: _____ COVER OVER TANK/PIPING: _____

SURROUNDING GEOLOGIC MATERIAL: _____

PIPING DELIVERY SYSTEM: SUCTION _____ REMOTE _____ PIPING MATERIAL: _____

PROPOSED CONSTRUCTION DATE: _____ PROJECTED DATE OF TANK/PIPING PULL: _____

PROPOSED TYPE OF CLOSURE: REMOVAL CLOSURE IN PLACE

REASON FOR CLOSURE: _____

UST's/PIPING TO BE REPLACED? _____ ANY EXISTING UST'S TO REMAIN AT SITE AFTER CLOSURE? _____

ARE ANY UST's OR DISPENSERS/PUMPS TO BE RE-INSTALLED AFTER THE REMOVAL OF EXISTING UST's OR DISPENSERS/PUMPS? *Y / N _____

* IF YES, AND THE UST's OR DISPENSER/PUMPS ARE TO BE RE-INSTALLED IN THE SAME LOCATION, A CONSTRUCTION APPLICATION AND A SITE PLAN EXEMPTION FORM MUST BE SUBMITTED WITH THIS CLOSURE APPLICATION. SITE PLAN EXEMPTION PERMIT #: _____

IF NO, ANY NEW INSTALLATION OF UST's AND/OR DISPENSERS/PUMPS OR ANY OTHER SITE DEVELOPMENT ACTIVITY WILL BE SUBJECT TO ALL SITE PLAN OR SITE PLAN EXEMPTION REQUIREMENTS CURRENT AT THE TIME OF APPLICATION.

IF NO IS SELECTED ABOVE, COMPLETE THIS SECTION:

LAND OWNER COMPANY: _____

LAND OWNER SIGNATURE: _____

DATE: _____

All excavation and stockpiled material from closure will be placed on poly sheeting and covered thoroughly or backfilled. Indicate location of stockpile material and drainage patterns, including all inlets, on site map.

Location of the erosion and sedimentation controls must be noted on the site map.

Erosion control measures to be used: _____
(see Attachment A or the Environmental Criteria Manual, Section 1.4).

NAME/ADDRESS OF TANK DISPOSAL FACILITY: _____

NAME/ADDRESS OF HAZARDOUS MATERIALS DISPOSAL FACILITY: _____

DSD must be notified at 974-2715 before any material is removed from the site. Notification will include the approved location, truck company and date/time of removal.

NAME OF LABORATORY TO PERFORM SAMPLE ANALYSIS: _____

ADDRESS OF LABORATORY TO PERFORM SAMPLE ANALYSIS: _____

SAMPLES WILL BE ANALYZED FOR:	<u>PARAMETER</u>	<u>EPA APPROVED ANALYSIS METHOD</u>
	<i>BTEX</i>	_____
	<i>TPH</i>	_____
	_____	_____
	_____	_____

Contact person responsible for notification to the City DSD of all sample results and all written closure reports as soon as they are available: _____ Phone #: _____

NOTE: PLEASE ATTACH A SITE MAP

GENERAL UST CLOSURE OPERATION NOTES

(If tanks and/or piping are to be removed)

1. The City of Austin Development Services Department (DSD) must be contacted for inspection at least 24 hours prior to all site activities and sampling operations, at 974-3024.
2. DSD must be notified of sample results as soon as they are available for approval of clean-up operations and closure completion. All written closure reports must be submitted to DSD for acceptance of the closure.
3. If significant contamination is found to have occurred beyond the tank pit area, a remediation plan must be submitted for approval, which will eliminate/minimize the threat of harm to public health and the environment. Site remediation must follow all City requirements and the TCEQ's Guidance Manual for Leaking Petroleum Storage Tank Clean-Ups in Texas.
4. All used tanks, residual hazardous materials, and contaminated soil and water must be stored, transported, and disposed of in accordance with the COA Environmental Criteria Manual, such as plastic sheeting placed below and over excavated material or temporary backfilling. Temporary Erosion and Sedimentation Control berms or silt fences placed down slope are also required.
5. Right-of-way (ROW) use for construction purposes: Contact the Public Works and Transportation Department at 974-7024 if City R.O.W. must be temporarily utilized for construction operations.
6. Contractors performing UST closure must be a registered UST contractor with the State of Texas. Closure operations must follow all applicable City, State, and Federal regulations and guidelines for safety and construction management.
7. Site must be barricaded against unauthorized entry and warning signs "NO SMOKING" and "DO NOT ENTER" must be provided.
8. All possible sources of spark ignition must be eliminated, and at least two fire extinguishers must be provided and placed on site with a minimum classification of 2A, 20 B: C.
9. Piping must be drained and flushed into tank, then removed or capped. All residual hazardous materials must be removed from the tank prior to removal or permanent filling of the tank.
10. Tanks must be purged of ignitable vapors prior to removal or filling by approved methods such as air education and carbon dioxide/dry ice. A combustible gas detector must be provided on site to ensure a Lower Explosive Limit (LEL) of less than 20% prior to removal or permanent filling of the tanks.
11. Tanks closed in place must be approved prior to any site activity. A soil/groundwater sampling plan must be submitted with the UST Construction Application Packet. All piping must be drained into the tank and either capped or removed. Tanks must be emptied, cleaned out and purged of all vapors. Tanks must be filled with concrete slurry or other inert material capable for filling all voids and hardening to solid material.
12. Tanks must be labeled after removal from the ground with the following warning: "DANGER-FLAMMABLE VAPORS" or "TANK HAS CONTAINED GASOLINE/NOT SUITABLE FOR FOOD OR DRINKING WATER".
13. Tank holes must be sealed prior to transportation from site except for a 1/8" hole on top for ventilation.
14. Tank pit excavations left temporarily open must be fenced for public safety if located in an unsecured area.
15. Excavations must be restored (including revegetation and/or paving) before the site is approved and accepted for release. All erosion and sedimentation controls are required to remain on site and to be maintained until final paving and revegetation are accepted.

INTAKE REQUIREMENTS

UST NEW INSTALLATION:

- Two completed UST System Construction Permit Application Forms with attached General UST Construction Notes
- Two sets of construction plans/specifications (for requirements, see attachment C)
- Two completed Hazardous Materials Permit Application Forms
- Payment of
 - 1) the Hazardous Materials Permit fee
 - 2) the UST Construction Permit review/inspection fee (see fee schedule below)
- Scaled drawing (engineer's scale) of the proposed improvements including, but not limited to: the locations of all underground storage tanks, fuel dispensers/islands, vents, piping, fill ports, monitor wells, buildings, canopies, paved areas, parking spaces, air/water service areas, dumpsters, sidewalks, driveways, utilities, trees, fire hydrants, basements, ponds, vaults, storm water inlet locations, hazardous material interceptor (HMI) location, stockpile location, erosion/sedimentation control location, emergency shut-off location and shut-off sign location.

UST REMODEL:

- Two completed UST System Construction Permit Application Forms with attached General UST Construction Notes
- Two sets of construction plans/specifications (for requirements, see attachment C)
- Payment of
 - 1) the UST Construction Permit review/inspection fee (see fee schedule below)
- Scaled drawing showing proposed improvements in relation to existing improvements.

UST CLOSURE:

- Two completed UST System Construction Permit Application Forms, each with attached UST Closure Plan Forms, General UST Closure Operation Notes, and 8 1/2" x 11" site drawing
- Site drawing showing location of tanks, piping, dispensers/islands, vents, drainage flow direction(s), storm drains, erosion and sedimentation control method and location, stockpile location
- Payment of
 - 1) the Closure review/inspection fee (see fee schedule below)

FEE SCHEDULE

NEW/REMODEL UST CONSTRUCTION PERMIT REVIEW/INSPECTION FEE

<u>Total estimated UST project cost</u>	<u>Fee</u>
\$0 to \$4,999	\$50
\$5,000 to \$49,999	\$80
\$50,000 to \$99,999	\$155
\$100,000 and over	\$235

CLOSURE REVIEW/INSPECTION FEE

All closures (per site)	\$75
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HAZARDOUS MATERIALS STORAGE PERMIT FEE

<u>Total UST storage capacity at site</u>	<u>Fee</u>
less than 500 gallons.....	\$65
500 to 999 gallons	\$125
1,000 to 9,999 gallons	\$190
10,000 to 24,999 gallons	\$250
25,000 to 49,000 gallons	\$315
50,000 gallons and over.....	\$375

NOTE: An Investigation Fee is charged when work is commenced without a permit.

The fee shall equal the cost of a permit and is collected **in addition** to the fee for the permit.

BARRICADE PERMITS
(Temporary Use of Public Right-of-Way)

If you are planning a project that will require the use of the City of Austin right-of-ways (i.e. sidewalks / alleys, parking lanes, parking meters, and/or traffic lanes) for construction purposes which do not require street cuts, you must apply for authorization for a Barricade Permit at least nine (9) days before you start work. No Building, Demolition, or Driveway Permit, which would also require a Barricade Permit, will be issued until a Barricade Permit is issued.

1. Contact Garry Silagi at 974-7024 or Charles Wilson at 974-7021 at the Public Works and Transportation Department at 505 Barton Springs Road, 974-7024 for applications and/or questions. They will schedule a meeting with you at the job site to help you determine your barricade requirements.
2. Upon approval, you will receive an authorization from Public Works and Transportation. Bring this to the Permit Center, Development Services Department, 505 Barton Springs Rd., Austin.
3. Also bring a copy of your general liability insurance in the amount required by Risk Management, naming the City of Austin as the certificate holder, and a \$5,000 barricade surety bond on forms provided by the City of Austin. Insurance must be in full force and effect during the period of time, which a permit shall be issued.
4. You will be issued a Barricade Permit based on the following fee schedule.

	Non-Renewable 30-day Permit	Renewable* Long-term Permit
Sidewalk/Alley	\$.0028 sq. ft./day	\$.01 sq. ft./day
Un-metered Parking Lane	.006 sq. ft./day	.02 sq. ft./day
First Traffic Lane	.06 sq. ft./day	.06 sq. ft./day
Additional Traffic Lane	.07 sq. ft./day	.07 sq. ft./day
Metered Parking Space	\$ 8.25 per meter/per day	

Plus \$22.00 processing fee

* Renewed permit will not require another processing fee. Another application is not required for renewals; however, a new authorization form is required from the Public Works and Transportation Department and brought to the Permit Center to obtain a renewed permit.