



## REMOVAL/CLOSURE UNDERGROUND STORAGE TANKS

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These guidelines are to be followed when an underground storage tank is removed or otherwise closed in place, within the City of Rockwall City Limits.

All underground storage tank requirements for the purposes of these guidelines and any other guidelines or requirements of the Rockwall Fire Marshal Division shall conform to the 2015 International Fire Code, as adopted and amended by the City of Rockwall.

These guidelines do not replace, nor supersede any codes and/or ordinances adopted by the City of Rockwall, or determinations and positions of the Rockwall Fire Marshal Division.

### General Requirements

- 1) The Rockwall Fire Marshal Division must be contacted for inspection at least 24 hours prior to all site activities and sampling operations, at 972-771-7774.
- 2) Rockwall Fire Marshal Division must be notified of sample results as soon as they are available for approval of clean-up operations and closure completion including copy of TCEQ-00621 form.
- 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 environmental. 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 an approved manner, such as plastic sheeting placed below and over excavated material or temporary backfilling.
- 5) Temporary Erosion and Sedimentation Control berms or silt fences placed around the site are also required.
- 6) Contractors performing UST closure must be a registered UST contractor with the State of Texas.
- 7) Closure operations must follow all applicable City, State, and Federal regulations and guidelines for safety and construction management.
- 8) Site must be barricaded against unauthorized entry and warning signs "NO SMOKING" and "DO NOT ENTER" must be provided.
- 9) 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:20B:C.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) Tanks must be labeled after removal from the ground with the following warning: "DANGER-FLAMMABLE VAPORS", "TANK HAS CONTAINED (NAME OF PRIOR CONTENTS)" and "UNUSABLE FOR STORAGE OF MATERIALS FOR HUMAN CONSUMPTION". Lettering shall be a minimum of 2-inch high.



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- 14) Tanks shall be removed from the site once removed from the ground within 24 hours.
- 15) Tank holes must be sealed prior to transportation from site except for a 1/8" hole on top for ventilation.
- 16) Tank pit excavations left temporarily open must be fenced for public safety if located in an unsecured area.
- 17) 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.
- 18) Updated UST registration TCEQ-00724 form shall be filed with TCEQ.

### Submittal Requirements

- 19) Plans shall contain sufficient detail to enable the plan reviewer to accomplish a complete review.
- 20) Each submittal shall have a completed:
  - a) Rockwall Fire Marshal Division Permit Application.
  - b) Proof of notification to Texas Commission on Environmental Quality for UST removal (TCEQ-00495 form)
  - c) Copy of Contractors Texas Commission on Environmental Quality License.
- 21) A site plan drawing of the installation location and layout, to include:
  - a) All buildings and structures
  - b) Location(s) of tanks, vent lines, underground product lines, leak detection, dry sumps, and dispensing locations
  - c) Location of the erosion and sedimentation controls must be noted on the site map. Erosion control measures to be used shall be indicated.

### Inspection Requirements

#### **Prior to beginning work on site, fire inspector shall:**

- 22) Verify Site requirements are in place, including:
  - a) Warning signs "NO SMOKING" and "DO NOT ENTER" are provided.
  - b) At least two fire extinguishers are provided and placed on site with a minimum classification of 2A:20B:C
  - c) Temporary Erosion and Sedimentation Controls are in place per submitted plans

#### **Prior to removal of tank from ground, fire inspector shall:**

- 23) Site inspection to verify tanks have been purged of ignitable vapors 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.

#### **After removal of tank from ground, before leaving site, fire inspector shall:**

- 24) Ensure tank has been properly marked as indicated above.