

Tennessee Tank Talk

UST Systems - Repair & Replacement

Rule 0400-18-01-.01(4) of the Tennessee Department of Environment and Conservation, Underground Storage Tank Program defines what it means to **repair** or **replace** petroleum underground storage tank system equipment. Equipment listed under the "repair" definition includes "tank or pipe, spill prevention equipment, overfill prevention equipment, corrosion protection equipment, release detection equipment, or other UST system component that has caused the release of petroleum from the UST system or has failed to function properly".

For the "replaced" definition, this means "to remove a tank and install another tank" and for piping "to remove fifty percent (50%) or more of piping and install other piping, excluding connectors, connected to a single tank. For tanks with multiple piping runs, this definition applies independently to each piping run".

In this issue of *Tank Talk*, we outline the requirements for replacing or repairing tanks, piping, and secondary containment sumps, as well as how to submit a written approval request for repairs or replacements. As always, the information provided here is provided in everyday language to increase awareness, knowledge, and understanding. Be sure to always refer to the Rules or contact Division staff at your regional Environmental Field Office for more information.

TANKS

REPAIR

- All tank repairs must be conducted within the manufacturer's instructions, a code of practice developed by a nationally recognized association or independent testing laboratory, or according to requirements established by the Division.
- All tanks approved for repair must be assessed for structural integrity in accordance with a nationally recognized practice before repairs can be completed.
- Repairs to fiberglass reinforced plastic (FRP) tanks must follow the original manufacturer's requirements.

REPLACEMENT

- When completing tank closures prior to replacement:
 - Submit an Application for Permanent Closure of Underground Storage Tanks ([CN-0928](#)) 30 days prior to closure.
 - Submit Pre-Installation Notification Form ([CN-1288](#)) 15 days prior to the new UST system installation.
- For more information about UST system closures, view our previous Tank Talk ([Edition 39](#)) or visit our [website](#).

Conduct a Tank Tightness Test ([CN-1601](#)) within 30 days for all repairs and replacements.

PIPING

REPAIR

- A written request must be submitted to the Division for authorization prior to all piping repairs.
- All repairs must be conducted within the manufacturer's instructions, a code of practice developed by a nationally recognized association or independent testing laboratory, or according to requirements established by the Division.
- Sections of damaged flexible plastic piping and steel piping, including flex connectors **cannot** be repaired and **must** be replaced.

REPLACEMENT

- Replacement of any portion of existing piping must be reviewed to determine if the proposed work is a repair or replacement.
- When completing piping closures prior to replacement:
 - Submit an Application for Permanent Closure of Underground Storage Tanks ([CN-0928](#)) 30 days prior to closure.
 - Submit Pre-Installation Notification Form ([CN-1288](#)) 15 days prior to UST system installation.
- For more information about UST system closures, view our previous Tank Talk ([Edition 29](#)) or visit our [website](#).

Conduct a Line Tightness Test ([CN-1341](#)) within 30 days for all repairs and replacements.

SECONDARY CONTAINMENT SUMPS

REPAIR & REPLACEMENT

- All repairs must be conducted in accordance with the manufacturer's instructions, a code of practice developed by a nationally recognized association or independent testing laboratory, or requirements established by the Division.
- Sumps that fail a sump integrity test must have the repairs reviewed by the Division.
- Replacement of existing fuel dispensers may require installing under-dispenser containment (UDC) sumps and sump sensors if connecting equipment (shear valves, flex connectors) are replaced or reconfigured below the surface. Contact the Division prior to replacement.

FOLLOW-UP TESTING & REPORTING

- Failing containment sump testing must be reported to the [Division](#) within 72 hours if there is an indication that petroleum may have leaked into the environment.
 - Submit Fund Eligibility Application ([CN-0943](#)) within 60 days of confirmed release and 90 days of suspected release.
 - A site check may be required.

Conduct a Sump Integrity Hydrostatic Test ([CN-2664](#)) within 30 days of all repairs and replacements.

WRITTEN REQUESTS FOR DIVISION AUTHORIZATION

All UST system repair and replacement requests must be submitted in writing and approved prior to beginning work. Please send requests to Don Taylor at Don.Taylor@tn.gov.

- Please include the following in the email request:
 - Facility ID
 - Tank owner
 - Facility name
 - Purpose of repair or replacement
 - Estimated start date
 - Contractor
 - Repair Practice to follow
 - Site Sketch with tank and piping details (measurements and product type)
 - Any known suspected releases or ongoing release investigations
 - UST owner/operator acknowledgement of proposal (signed work invoice or accepted quote submitted prior to beginning work).

**It is important to allow adequate time for review or repair requests prior to beginning work. Division staff reviewing these requests may need additional review time to research historical or ongoing concerns.*

UST RESOURCES

[UST Forms and Guidance](#)

[UST Contact Information](#)

[Contact Your Local Field Office](#)

[Division Updates and Outreach](#)

[Current Tennessee UST Rules](#)

[UST Documents in Other Languages](#)

[TDEC Underground Storage Tanks Home Page](#)

[EPA- Underground Storage Tanks Home Page](#)

DIRECT UST EMAILS

Report Suspected Release - Releases.UST@tn.gov

Submit Fund Eligibility Application - UST.Fund@tn.gov

Submit Closure Application - Closure.Application.UST@tn.gov

Submit Notification Form - Notification.Fees@tn.gov

Submit Reimbursement Claim - UST.Reimbursement@tn.gov

Submit Newsletter Topics & Feedback - Tanks.UST@tn.gov

DISCLAIMER: This document is provided by TDEC as a reference for the regulated community. Every effort has been made to ensure its accuracy; however, it is not intended as a substitute for the requirements in the rules of the TDEC Chapter 0400-18-01 Underground Storage Tank Program. Tank owners/ operators are responsible for compliance with the requirements of 0400-18-01.

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12th Floor, TN Tower 312 Rosa L. Parks Ave | Nashville, TN 37243 US

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