

COMPATIBILITY

Action: UST systems used to store regulated substances blended with greater than 10% ethanol or greater than 20% biodiesel must comply with requirements for fuel compatibility.

Tank Owner Responsibility: Notify the Division 30 days prior to storing biofuels greater than 10% ethanol or 20% biodiesel. Provide documentation showing compatibility for all UST system components including tank, piping, containment sumps, pumping equipment, release detection equipment, spill equipment, and overfill equipment.

All equipment checks, testing and walkthroughs are required to be documented on a Division form or in a format approved by the Division.



IF YOU HAVE ANY QUESTIONS CONCERNING THIS DOCUMENT, PLEASE CONTACT YOUR LOCAL ENVIRONMENTAL FIELD OFFICE:

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THE TENNESSEE DIVISION OF UNDERGROUND STORAGE TANKS WEBSITE CAN BE FOUND AT THE FOLLOWING ADDRESS:

<http://www.tn.gov/environment/program-areas/ust-underground-storage-tanks.html>

TENNESSEE DIVISION OF UNDERGROUND STORAGE TANKS

2018 Federal Rule Change Quick Reference Guide



For all current tank owners and all certified A and/or B operators in Tennessee

The following new requirements will go into effect for all Tennessee Underground Storage Tank facilities on **October 13, 2021**.

These requirements are applicable to all new installations after October 13, 2018.



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SPILL AND OVERFILL

Action: Conduct a spill bucket integrity test every 3 years or use a double-walled spill bucket with interstitial monitoring.

Tank Owner Responsibility: Maintain a passing spill bucket integrity test conducted within the last 3 years or documentation the prevention equipment is double walled and is periodically monitored. Spill bucket tests must be maintained for 3 years.

Action: Inspect overflow prevention equipment every 3 years.

Tank Owner Responsibility: Maintain records demonstrating overflow functionality testing conducted within the last 3 years. Applies to all forms of overflow and documentation must be maintained for 3 years.

Action: Flow restriction devices (Ball float valves) used for overflow prevention will no longer be able to be repaired or replaced if found damaged or non-functional.

Tank Owner Responsibility: If ball floats are found damaged or non-functional during overflow functionality testing then a new method of overflow must be installed.

Action: Ball float valves may not be used for overflow prevention for new UST systems installed after October 13, 2018.

Tank Owner Responsibility: Tank owners may install automatic shutoff devices (flapper valves) or an audible/visual overflow alarm as the primary method of overflow prevention.

Action: Test or inspect components within 30 days after a repair to spill or overflow prevention equipment.

Tank Owner Responsibility: Maintain documentation of testing conducted within 30 days of a repair to spill and overflow equipment for the operational life of the system.

RELEASE DETECTION / WALKTHROUGHS

Action: Systems using (interstitial monitoring (IM) for piping release detection must conduct sump integrity test every 3 years.

Tank Owner Responsibility: Maintain a passing sump integrity test conducted within the last 3 years. Sump tests records must be maintained for 3 years.

Action: Monthly Walk through inspections of spill buckets, flapper valves, release detection equipment and results.

Tank Owner Responsibility: Maintain records of monthly walkthrough inspections conducted every 30 days and consist of the following:

- Inspect spill prevention (spill bucket log) for liquid, debris or damage.
- Visually inspect the tank fill riser drop tube and flapper valve (if present) for damage.
- Operability of release detection equipment,
- Presence of alarms or other unusual operating conditions
- Review of current release detection results.

Monthly walk through records must be maintained a minimum of 12 months.

Action: Annual Walkthrough Inspection.

Tank Owner Responsibility: Annual walk through inspections are conducted once every 12 months and consist of the following:

- Inspect all operation equipment (contained and uncontained) for:
 - damage
 - leaks to the containment area
 - releases to the environment
- Remove liquid (in contained sumps) or debris
- Inspect hand-held release detection equipment (gauging sticks) for operability and serviceability.

Annual walk through records must be maintained a minimum of 12 months.

Action: Annual testing of electronic and mechanical release detection components.

Tank Owner Responsibility: Maintain the 3 previous annual tests of release detection components.

- Automatic tank gauge and other controllers: test alarm; verify system configuration; test battery backup
- Probes and sensors: inspect for residual buildup; ensure floats move freely; ensure shaft is not damaged; ensure cables are free of kinks and breaks; test alarm operability and communication with controller
- Automatic line leak detector function test
- Vacuum pumps and pressure gauges: ensure proper communication with sensors and controller
- Test all IM tank and sump sensors

Action: Test or inspect components of spill or overflow prevention equipment within 30 days after a repair.

Tank Owner Responsibility: Maintain documentation of testing conducted within 30 days of a repair to a containment sump for the operational life of the system.



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.