

## 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.