

OKLAHOMA CORPORATION COMMISSION/PETROLEUM STORAGE TANK DIVISION
SUMMARY OF SIGNIFICANT RULE CHANGES
CHAPTER 25 UNDERGROUND STORAGE TANKS
EFFECTIVE AUGUST 25, 2016

EPA recently made revisions to strengthen the 1988 federal underground storage tank (UST) regulations by increasing emphasis on properly operating and maintaining UST equipment. It was the first major revision to the federal regulations since 1988. The revisions will help prevent and detect UST releases, a leading cause of groundwater contamination, and help ensure that all UST's in the United States meet the same minimum standards. Some of the new federal requirements have been in place in Oklahoma for a number of years. In addition, some regulations do not take effect until 2018 to allow owners and operators time to prepare for or make any upgrades to existing equipment. Listed below are **some** new requirements with PSTD's rule number listed at the end, however, please refer to the complete chapter posted on our website at <http://www.occeweb.com/rules/rulestxt.htm> for all the current requirements. If you have questions about PSTD rules or the federal regulations please contact Ted Lowery at 405-521-6397 or Darryl Cole at 405-522-4810 in the Compliance Department.

1. The new UST regulation allows owners and operators up to 30 days following repairs to test or inspect the UST components. This includes repairs to secondary containment areas of tanks and piping used for interstitial monitoring, repairs to containment sumps used for interstitial monitoring of piping, and repairs to spill prevention equipment. Repairs to overfill prevention equipment must be inspected within 30 days of the repair. Documentation describing all repairs must be readily available for your inspector to review and kept for the operating life of the storage tank system. (OAC 165:25-2-111)

2. If 2 different types of gasoline are dispensed from a single hose (for example 100% gasoline and 10% ethanol) a sign must be displayed on the dispenser telling customers that a small amount of ethanol may be included in the first 5 gallons of 100% gasoline dispensed. (OAC 165:25-2-75)

3. Beginning October 13, 2018, owners and operators of UST systems must perform annual operation and maintenance tests on the electronic and mechanical components of release detection equipment including automatic tank gauges (ATG) and other controllers; probes and sensors; vacuum pumps and pressure gauges; and hand-held electronic sampling equipment associated with vapor and groundwater monitoring. Records must be maintained listing each component tested, whether action was needed and describe any action taken to correct the issue, and records must be available to PSTD upon request. (OAC 165:25-1-53; 165:25-3-6.25)

4. Beginning October 13, 2018, owners and operators of UST systems must begin conducting 30-day and annual walkthrough inspections to visually check equipment for any damage and to ensure it is working properly. Owners and operators must maintain a record of these inspections for 3 years and be available at the facility for your inspector to review. Go to PSTD's website for further information as well as sample forms you can use from EPA's updated guidance manual, "Operating and Maintaining Underground Storage Tank Systems" located at <http://www.occeweb.com/ps/compliance%20forms.htm>. (OAC 165:25-1-60)

5. Beginning October 13, 2018, owners and operators of UST systems must begin testing spill prevention equipment for liquid tightness at least once every 3 years or use a double-walled spill bucket with periodic interstitial monitoring that is monitored at least once every 30 days. Systems installed after August 25, 2016 must test spill prevention equipment for liquid tightness at installation (most codes of practice require this already) or use a double-walled spill bucket with periodic interstitial monitoring that is monitored at least every 30 days. Records of these tests must be maintained for 3 years and readily available to PSTD. (OAC 165:25-1-57)

6. Beginning October 13, 2018, owners and operators of UST systems must begin inspecting overfill prevention equipment (flapper valves) for proper operation at least once every 3 years. Systems installed after August 25, 2016 must inspect overfill prevention equipment at installation (most codes of practice require this already) and at least once every 3 years thereafter. Records of these inspections must be maintained for 3 years and readily available to PSTD. (OAC 165:25-1-57)

7. Owners and operators of UST systems must ensure that releases due to spilling and overfilling do not occur. UST's installed after 2001 should already have a drop tube with overfill device unless it is equipped with an operational ball float (prohibited with suction systems). Please note, however, ball floats that become inoperable cannot be repaired and must be replaced with one of the following:

(a) A drop tube with flapper valve, or

(b) A mechanism that sounds an alarm when the liquid level in the tank reaches 90% capacity and automatically stops the delivery of fuel when the liquid level in the tank reaches 95% capacity.

Owners and operators of UST systems must ensure that the volume available in the tank is greater than the volume of product to be transferred to the tank before the transfer is made and that the transfer operation is monitored constantly to prevent spilling and overfilling.

(OAC 165:25-2-39)

8. Please note you must report to PSTD within 24 hours of discovery any liquid in the interstitial space of secondarily contained systems and any alarm from your release detection system that indicates a release may have occurred. To report a release, call PSTD at (405) 521-4683 or toll free at (888) 621-5878. PSTD's new emergency phone number for reporting releases that are discovered after hours, on weekends or holidays is (405) 823-0994. (OAC 165:25-3-7.1)

9. If you plan on storing regulated substances containing greater than 10% ethanol or 20% biodiesel in your UST (such as E20 or B100) you must notify PSTD **at least 30 days before switching** using the UST System Compatibility Notification and Checklist located on our website. You must also keep records that demonstrate the compatibility of these substances with your UST system and system components (such as piping, containment sumps, spill and overfill equipment, pumping equipment, and release detection equipment) for as long as the UST system stores that substance. Check PSTD's website for further information and guidance on UST system compatibility. (OAC 165:25-1-41; 165:25-1-53; 165:25-2-32)