

2018 UST Rule Changes

In 2015 the Environmental Protection Agency (EPA) revised federal UST regulations. As South Dakota receives state program approval through EPA, the state was given three years to adopt the regulations. South Dakota's adoption of the rules went into effect on October 13, 2018. The regulated community was given a compliance deadline of October 13, 2021 to meet the new requirements.

2018 Changes for Installation Requirements

- All new UST system installations must have secondary containment and the ability to detect leaks.
- All new UST system installations must have spill containment, overflow protection, and protection from corrosion.
- All new product piping installations must be secondarily contained, must terminate in UST and under-dispenser sumps, and must include automatic line leak detectors and sump and sensors for leak detection.
- If over 50% of existing product piping is replaced after October 13, 2018, then the entire pipe run must have secondary containment, including UST, transition and under-dispenser sumps, automatic line leak detectors, and sump and sensors.

In Case of a Release

If a release from an UST system is suspected and/or confirmed, the owner/operator must report the release to the DENR within 24 hours at (605) 773-3296. The owner/operator must take immediate steps to stop the release and ensure there is no threat to the safety of persons in the vicinity of the release. It is not necessary to notify DENR of aboveground overfills of petroleum less than 25 gallons if the release can be contained and cleaned up within 24 hours.

A program was developed by the South Dakota Legislature to provide funds for clean-up of contamination caused by the release from petroleum USTs. The program is administered by the DENR Petroleum Release Compensation Fund (PRCF). For specific information please call the PRCF at (605) 773-3769.

South Dakota Department of Environment and Natural Resources

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DENR
SOUTH DAKOTA

UST Rules - 2018 Changes

Informational Brochure

Underground storage tanks are regulated by the Department of Environment and Natural Resources (DENR) under the Administrative Rules of South Dakota, Chapter 74:56:01. This brochure was prepared to briefly summarize the 2018 UST rule changes.

Automatic Tank Monitor Certification

An automatic tank gauging monitoring system (ATG) consists of probes and leak detection equipment installed in and around UST systems and wired to a monitor. The ATG system provides information on product level and temperature and automatically detects leaks.

By October 13, 2021, ATG systems must be tested annually for proper functionality by a qualified service provider. At a minimum, the test must include alarm operability, system configuration verification, battery backup, and inspections of probes and sensors to ensure floats move freely, shaft is not damaged, cables are free of kinks and breaks, and controller communication is working.

Spill Prevention

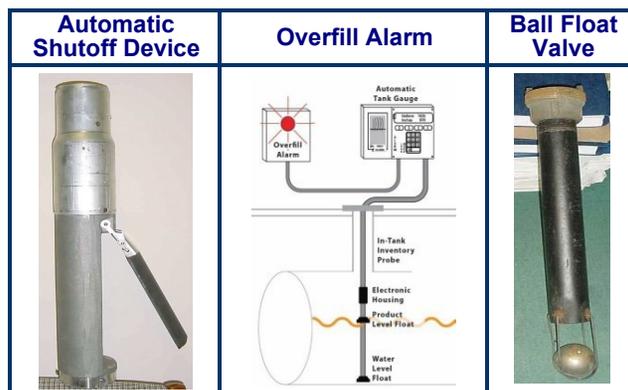
All new and existing UST systems must use spill prevention equipment, such as spill buckets or catchment basins, that will prevent release of product to the environment when a product transfer hose is detached from a UST fill pipe during a fuel delivery. Spill prevention equipment is designed to temporarily contain spilled product that might occur, and typically range from 5 to 25 gallons in capacity. To properly contain product, the spill prevention equipment must be liquid tight.

Spill prevention equipment must be tested by a qualified service contractor by October 13, 2021, and at least once every three years after the initial test, to ensure the equipment is liquid tight by using vacuum, pressure, or liquid testing. Liquid tightness testing is not required if the spill prevention equipment is double walled and the interstitial space is inspected monthly and documented.

Overfill Prevention

All new and existing UST systems must use overfill prevention equipment to minimize the potential of releases into the environment through overfilling an UST during product delivery. There are three common types of overfill prevention equipment including: 1) automatic shutoff devices, 2) overfill alarms, and 3) ball float valves.

Overfill prevention equipment must be tested by a qualified service contractor for proper functionality by October 13, 2021, and at least once every three years after the initial test. Ball float valves have been eliminated as an option for overfill prevention for new installations and upgrades. Existing ball float valves will be allowed to remain in use, provided functionality can be documented prior to October 13, 2021. At a minimum, the functionality test must ensure that overfill prevention equipment is set to activate at the correct level specified for the overfill prevention equipment and will activate when product reaches that level.



Secondary Containment

Secondary containment equipment for product piping has an inner and outer barrier with an interstitial space, which is monitored for leaks, and includes UST and under-dispenser sumps.

Secondary containment must be tested by a qualified service contractor by October 13, 2021, and at least once every three years after the initial test, to ensure the equipment is liquid tight by using vacuum, pressure, or liquid testing.

Vacuum, pressure, or liquid tightness testing is not required if containment sumps are double walled and the interstitial space is inspected monthly and documented.

Owner/Operator Walk-Through Inspections

Beginning October 13, 2021, regulated UST system owners or operators must begin monthly and annual walk-through inspections.

Walk-through inspections must be conducted by or under the direction of a certified Class A/B Operator. Walk-through inspection results must be documented. A walk-through inspection checklist can be obtained from the DENR website.

Alternative Fuel Notification Requirements

Owners and operators must notify the DENR at least 30 days prior to switching to an alternative fuel containing greater than 10 percent ethanol and/or greater than 20 percent biodiesel by submitting a completed Alternative Fuel Compatibility Form to verify the compatibility of biofuels with the UST system. An Alternative Fuel Compatibility Form can be accessed from the DENR website.

Emergency Generator Tanks

Release detection is now required for emergency generator tanks in addition to previously existing requirements.