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[https://www.env.nm.gov/petroleum\\_storage\\_tank/](https://www.env.nm.gov/petroleum_storage_tank/)

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Requirements for  
Underground Storage  
Tank Systems Installed,  
Replaced, Repaired, or  
Modified on, or after,  
April 4, 2008



New Mexico  
Environment Department  
Petroleum Storage Tank Bureau  
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Underground storage tank (UST) systems installed, replaced, repaired, or modified on, or after April 4, 2008, must meet certain requirements. UST systems in service before April 4, 2008 are not required to upgrade to the requirements for UST systems installed after April 4, 2008. If a UST system is or was replaced, repaired, or modified after April 4, 2008, then the following requirements must be met by owners and operators.

### **UST Systems installed after 4/4/2008**

- All underground storage tanks installed on, or after, April 4, 2008 must be secondarily contained in accordance with Part 106 of 20.5 NMAC.
- Installing a double-walled UST meets the requirement for a secondarily contained tank.
- All tanks installed after April 4, 2008 are required to use interstitial monitoring as the method of release detection for the tanks.
- All underground piping installed as part of a UST system installed after 4/4/08 must be secondarily contained. The secondary containment requirement can be met by the installation of double-walled piping. Also included in the secondary containment requirement is the need for turbine and dispenser sumps at the ends of the piping run.
- All required secondarily contained piping installed after April 4, 2008 will be required to use interstitial monitoring as the method of release detection for piping.
- The automatic tank gauging system used for interstitial monitoring of UST systems installed after 4/4/08 must be set up so that if it detects a regulated substance or water in any of the interstices of the tank system, it will automatically shut off the turbine.

- If there is any aboveground piping associated with a UST system installed after 4/4/08, a transition sump is required where the underground piping transitions to aboveground. The transition sump will have to be monitored by means of sump sensors and connected to the automatic tank gauging system.

### **UST Systems replaced or modified after 4/4/2008**

- Any UST replaced after the April 4, 2008 deadline must be replaced with a secondarily contained tank. If one tank of a multiple tank facility has to be replaced, then only that tank has to meet the requirements for UST systems. Also, if one tank in a manifolded UST system has to be replaced, then only that tank will have to be replaced with a secondarily contained tank.
- All USTs replaced after 4/4/08 must use interstitial monitoring as the method of release detection for tanks as soon as they are installed.
- Any UST that is repaired in order to bring it back into a serviceable condition will not be required to meet the requirements for new UST systems.
- If during a thirty-day period any modifications, repairs, or replacements of underground piping require the removal of piping that exceeds 20 feet or 50 percent of the length of the piping run, whichever is less, owners and operators will be required to replace the entire piping run with secondarily contained piping. Also, when the replacing, repairing, or modification of the piping requires installation of secondarily contained piping, then containment sumps at the turbine and dispenser will be required.

- All new double-walled or secondarily contained piping must be interstitially monitored as its method of release detection.
- Suction piping that is exempt from release detection as described in subsection B of 20.5.108.812 NMAC and 20.5.108.813 NMAC does not have to meet the secondary containment requirements if it must be replaced, repaired, or modified.
- Owners, operators, and installers are required to give the local PSTB inspector an opportunity to inspect the existing piping before it is removed from the ground during a repair or modification. If the PSTB inspector determines there is a need to inspect the rest of the piping run, or all piping runs at the facility, then owners and operators are required to expose the entire piping run(s).

### **Periodic Testing Requirements**

- All UST systems that are required to use interstitial monitoring for release detection on underground piping are required to periodically test the containment sumps. Owners and operators shall test the containment sumps by July 24, 2021, and every three years thereafter.
- The requirements for periodic testing are explained in further detail in a PSTB brochure on periodic inspection and testing requirements for USTs.