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Requirements for Underground Storage Tank Systems: Installation, Replacement and Modifications after April 4, 2008



New Mexico
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Petroleum Storage Tank Bureau
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After April 4, 2008 owners and operators are required to follow the new requirements regarding installation, replacement, repairs or modifications of underground storage tank (UST) systems per 20.5.4 NMAC. Clarifications and exceptions for UST requirements can be reviewed in detail on the PSTB webpage at www.nmenv.state.nm.us/ust on the "PSTB Regulations," tab.

New or Replaced UST Systems

After April 4, 2008 owners and operators shall install secondary containment:

- 1) for any new or replaced UST system;
- 2) for any new or replaced dispenser system, except for the installation of a motor fuel dispenser installed separately from the equipment needed to connect the dispenser to a storage tank system; and
- 3) for any new or replaced UST piping.

Owners and operators shall design, provide project drawings for, and construct the entire new UST system with the secondary containment system in compliance with the current edition of an industry standard or code of practice developed by a nationally recognized association or independent testing laboratory approved in advance by the department.

The secondary containment system shall include all tanks, piping, dispenser systems, and all containment sumps for any piping and ancillary equipment that routinely contains regulated substances, and shall include interstitial monitoring that meets the requirements of 20.5.6 NMAC.

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 to determine whether the piping can be repaired, replaced or modified. 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)

If owners and operators:

- 1) Replace a UST, they shall install a double-walled tank with an inner and outer barrier and a release detection system that meets the interstitial monitoring requirements of 20.5.6 NMAC;
- 2) Replace a dispenser system, they shall install an under-dispenser containment system that shall be hydrostatically tested and approved by the department prior to use; types of under-dispenser containment systems include, but are not limited to, dispenser liners, containment sumps, dispenser pans and dispenser sump liners; or
- 3) Replaces pressurized piping, they shall install only double-walled piping with an inner and outer barrier and a release detection system that meets the interstitial monitoring and the automatic line leak detector requirements of 20.5.6 NMAC for the replaced piping.

Exemption from Secondary Containment Requirements

Owners and operators of new and existing UST systems can be exempted from the secondary containment requirements if they can prove to the Bureau's satisfaction that:

- 1) No part of the UST system is within 1,000 feet of a community water system which includes all piping and distribution lines under the jurisdiction of water system operator;
- 2) No part of the UST system is within 1,000 feet of a potable drinking water well; or

- 3) No part of the UST system is within 1,000 feet of source water.

Note: Source water is defined as water that could be used for domestic purposes, including but not limited to ground water, natural springs, and surface water, even if such water is not currently being used for domestic purposes.

Owners and operators seeking this exemption must provide in their request a certified statement and detailed to-scale map that demonstrates that the proposed UST facility complies with the exemption requirements.

The exemption request shall be sent to the Bureau at least 30 days in advance of the start of the installation, replacement, repair, or modification

Owners and operators will not be granted an exemption to the secondary containment requirements if they plan on installing a drinking water well at the facility after the installation of the UST system.

The secondary contaminant requirements do not apply to the following:

- 1) existing USTs in a manifolded system (as secondary containment is only required for a new or replaced UST in a manifolded system);
- 2) repairs meant to restore a UST, piping or dispenser system to operating condition;
- 3) piping runs that are not new or replaced for USTs with multiple piping runs; or
- 4) suction piping that meets the requirements of 20.5.6.11 NMAC; or
- 5) non-pressurized piping that manifolds two or more underground tanks together, such as a siphon piping system.