

PSTB Prevention & Inspection Staff

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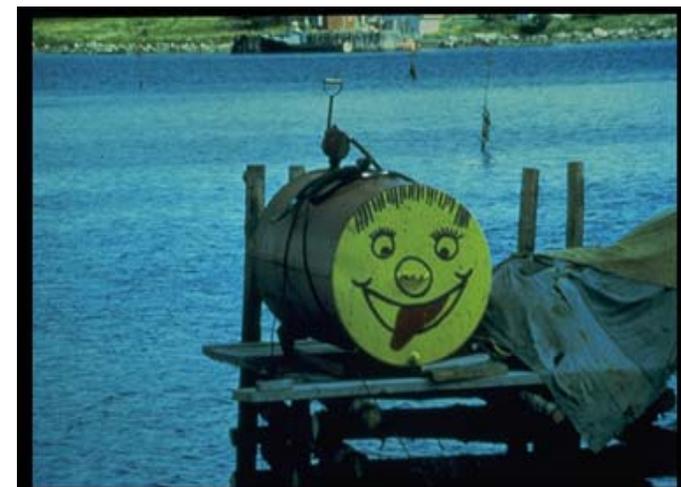


For more information write or call:

New Mexico Environment Department
Petroleum Storage Tank Bureau
1301 Siler Road, Bldg. B
Santa Fe, NM 87507

(505) 476-4397

Operation & Maintenance Requirements for Petroleum Storage Tank Systems



New Mexico
Environment Department
Petroleum Storage Tank Bureau
1301 Siler Road, Bldg. B
Santa Fe, NM 87507

As of April 4, 2008 owners and operators have to adopt an Operations & Maintenance Plan as part of the newly revised Title 20 Part 5 of the New Mexico Administrative Code, *Petroleum Storage Tank Regulations*. The Operations & Maintenance Plan (O&M Plan) shall be a written plan that is specific to each petroleum storage tank facility and includes a description of the facility. The O&M Plan must be kept at the facility for the life of the storage tank systems at the facility.

Owners and operators may use, by reference, operational & maintenance guidance from the current edition of an industry code or standard. If owners & operators use an industry code or standard in their O&M Plan they are required to keep a copy of the code or standard.

At a minimum the O&M Plan shall include a description of inspections that will be performed at periodic intervals along with the checklists used to document these inspections. Also, the plan shall include responses to emergency situations such as leaking pipes or an AST that has been hit by a vehicle.

Below are listed some of the operation & maintenance requirements from 20.5 NMAC and how owners & operators carry out these requirements shall be described in the O&M Plan:

Monthly

- 1) Visually inspect the tank (if applicable) and all components that are readily accessible.

- 2) Visually inspect any piping that has been installed aboveground or in a trench.
- 3) Visually inspect any sumps associated with the storage tank system.
- 4) Check for the presence of water in the tank and remove it to the extent technically possible. Any liquid removed from the tank shall be disposed of properly.
- 5) Check any equipment associated with a monitoring system that is used for release detection of tanks or piping.
- 6) Inspect a vaulted system from the outside of the vault.
- 7) Check the emergency vents on ASTs for proper operation.
- 3) Monitor an impressed current system every 60 days and keep the log of monitoring up to date.
- 4) Test all cathodic protection systems within 6 months of installation or repair and every 3 years thereafter.
- 5) Internal inspection or tank tightness test the AST 10 years after installation unless it has been installed within a secondary containment system that meets the requirements of 20.5.4 NMAC.
- 6) Internally lined USTs inspected at 10th anniversary of the installation of the internal lining and every 5 years thereafter.

Annually

Periodically

- 1) Within one week of a rainfall event, all water and debris shall be removed from all catchment basins, trenches, and sumps. Any liquid removed shall be disposed of properly.
- 2) Remove water, regulated substances, and debris from within all secondary containment systems, spill containment devices, sumps, and trenches as needed in order to maintain the highest level of containment.
- 1) Inspect all sensors used to monitor interstitial spaces in accordance with manufacturer's recommendations.
- 2) Enter and inspect the interior of a vaulted AST system.
- 3) Tightness test of all underground piping unless it meets exemption listed in 20.5.6.11.B NMAC.