

Annual Inspection and Testing Requirements for Release Detection Equipment.

July 24, 2018:

As of this date all equipment used to monitor storage tank systems regulated under 20.5 NMAC must be either inspected or tested annually. The exceptions to these requirements are emergency generator systems existing prior to July 24, 2018 along with Airport Hydrant Systems and USTs with Field-Constructed Tanks, which have until July 24, 2021 to meet release detection requirements.

Groundwater & Vapor Monitoring:

Inspections and testing must include the following:

- Hand-held equipment is checked annually to ensure it is functioning as required.
- Hand-held equipment is calibrated before each sampling event.

Interstitial Monitoring: Inspections and testing must include the following:

- Sensors are tested annually by a qualified tester in accordance with 20.5.105 NMAC.
- Controllers, alarms, and sensors are checked for operability and that they are communicating with each other.
- Sensors are verified to be at the correct height and location.

Statistical Inventory Reconciliation (SIR):

Inspections and testing must include the following:

- If ATG system is used to collect SIR data, then the ATG system must be inspected and test in accordance with the requirements for ATGs.
- If a tank gauge stick is used to collect data, it must be inspected annually to ensure the following:
 - It is calibrated to one-eighth of an inch to include the plastic piece on the bottom.
 - Numbers are legible.
 - It is not cracked, broken, or warped.

Manual Tank Gauging: Inspections and testing must include the following:

- If ATG system is used to collect release detection data, then the ATG system must be inspected and tested in accordance with the requirements for ATGs.
- If a tank gauge stick is used to collect data, it must be inspected annually to ensure the following:
 - It is calibrated to one-eighth of an inch to include the plastic piece on the bottom.
 - Numbers are legible.
 - It is not cracked, broken, or warped.

Automatic Line Leak Detector: Must be tested every 12 months by a qualified tester who meets

the requirements in 20.5.105 NMAC. The annual test must include a simulated leak.

Sensors: Sensors used to detect leaks must be functionality tested every 12 months by a qualified tester who meets the requirements in 20.5.105 NMAC. The testing must include verification that the sensors communicate with the controller, sound an alarm, and when required trigger automatic shut off when a leak is detected. Also, test must verify the sensors have been installed at the correct height and location within the secondary containment.

July 24, 2021:

Automatic Tank Gauging (ATG) Systems:

ATG must be inspected and tested every 12 months by a person who meets the requirements for a qualified tester in 20.5.105 NMAC. Also, the person must be a certified technician with the ATG manufacturer.

Inspections and testing must include the following:

- Verification of system programming and configuration.
- Testing of backup battery.
- Verification that alarm activates and produces audible and visual alarms.
- Inspection of probes & sensors for residual buildup; ensuring floats move freely; ensuring shaft is not damaged; ensuring cables are not kinked or broken.
- Ensuring probes & sensors communicate with controller.

- Ensuring vacuum pumps and pressure gauges communicate with sensors and controller.

Reporting: July 24, 2018

The results of the annual inspections and testing must be submitted within 60 days of completion of the test or within 24 hours if the result is a failure. The information that is required in these reports is listed in 20.5.108.816 NMAC and 20.5.111.1112 NMAC.

Owners, operators, certified installers, and junior installers are required to report suspected and confirmed releases to the Department (PSTB) within 24 hours of their discovery.

PSTB Prevention & Inspection Phone #s

Albuquerque

505-980-8900

Farmington

505-716-7994

Las Cruces

575-649-2954

Roswell

575-361-0216

Santa Fe

505-670-9171

Note: This document is a resource to promote compliance and does not replace the regulations in 20.5 NMAC.



For more information contact:

New Mexico Environment
 Petroleum Storage Tank Bureau
 2905 Rodeo Park East, Bldg 1
 Santa Fe, NM 87505
 (505) 476-4397
https://www.env.nm.gov/petroleum_storage_tank

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