

Existing Underground Storage Tanks

Underground storage tanks (UST) that were installed before April 4, 2008 may use one of the applicable methods of release detection listed in 20.5.108 NMAC. **All USTs installed after April 4, 2008 must use interstitial monitoring as the method of release detection.** In this brochure the requirements for Statistical Inventory Reconciliation (“SIR”) will be outlined.

In 20.5.108.809 NMAC are the requirements for SIR which must be met if owners and operators use this method to meet release detection requirements. The requirements became effective July 24, 2018.

- The SIR method must be a third-party certified quantitative method. Quantitative methods can be found on the National Work Group for Leak Detection Evaluation’s website at www.nwglde.org.
- Qualitative SIR methods will not be accepted by NMED for monthly monitoring after July 24, 2018.
- A third-party vendor must be used to analyze the data. This means that the vendor may not be the same company or person that owns the tanks. The analysis shall include the name and version of the method and the name of the SIR provider.

- The method must be capable of detecting a leak rate of 0.2 gallons per hour or a release of 130 gallons within 30 days.
- The method must have a threshold that does not exceed one-half the minimum detectable leak rate.
- The method must report a quantitative result with a calculated leak rate.
- The data must be collected, analyzed, and reported within the same 30-day period.
- Equipment used to collect inventory data must be inspected or tested annually for operability and serviceability.
- Tank gauge sticks used to collect inventory data must have legible numbers and be calibrated to within one-eighth of an inch, including the plastic piece on the bottom.
- The water volume in the tank(s) must be checked every 30 days.

Owners and operators must notify the department within 24 hours of discovery of an inconclusive or failed result.

- A Seven-Day Report must be submitted along with all of the data collected for the SIR analysis following an inconclusive or failed result. This report must also identify if a further investigation is necessary.
- An investigation must be performed within 14 days of receiving an inconclusive result.
- If the investigation of the suspected release finds the tank system is leaking, the owner, operator, or tester must report the release within 24 hours to the department at (505)-476-4397 (business hours) or (505)-827-9329 (evenings and weekends).
- During the investigation of a suspected release indicated by SIR, owners and operators must conduct appropriate system tests or site checks as approved by the department.

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



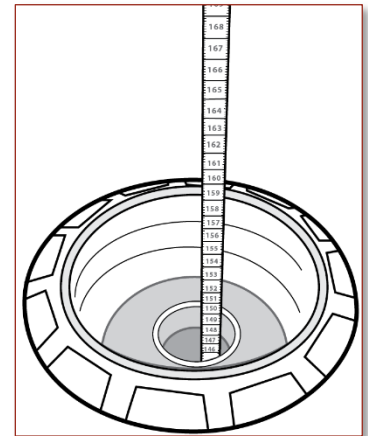
For more information write or call:

New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505
(505) 476-4397

https://www.env.nm.gov/petroleum_storage_tank/

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**Requirements for
Statistical Inventory
Reconciliation (“SIR”) for
Underground Storage
Tank Systems Installed
Prior to April 4, 2008**



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