

NMED

New
Mexico
Environment
Department



NEW AST REQUIREMENTS IN PARTS 109 – 112 OF 20.5 NMAC

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New AST Requirements

Part 109 – New and Upgraded Aboveground Storage Tank Systems: Design, Construction, and Installation

Part 110 – General Operating Requirements Aboveground Storage Tank Systems

Part 111 – Release Detection Requirements for Aboveground Storage Tank Systems

Part 109 - Installation

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- AST systems installed prior to July 1, 2001 that have not met upgrade requirements must have been permanently closed by July 1, 2011.
- USTs are prohibited from being installed as ASTs and must have been permanently closed by July 1, 2013.
- Owners and operators of AST systems installed prior to July 1, 2001 that do not meet requirements in the International Fire Code must provide approval from the New Mexico State Fire Marshal's Office no later than July 24, 2021.



Part 109 - Installation

- ❑ Owners and operators who want to install AST systems that do not meet the requirements in the International Fire Code must gain approval from the New Mexico State Fire Marshal's Office prior to installation.
- ❑ New concrete secondary containment cannot be constructed of cinder or masonry block.
- ❑ Steel piping with a diameter of greater than 2" internal diameter must be either welded or flanged together.



Part 109 - Installation

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- Owners and operators of single walled ASTs in secondary containment that were previously exempt from spill and overfill prevention requirements have until July 24, 2021 to install spill and overfill prevention equipment.
- Oil/water separators can no longer be used to meet spill prevention requirements for UST systems on or after July 24, 2021.



Part 110 – Operating Requirements

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Part 110 – Operating Requirements

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- Periodic Inspection and Testing Requirements:
 - Spill prevention equipment where all outer and inner surfaces are visible including the bottom must be monitored monthly starting July 24, 2018, or tested no later than July 24, 2021 and every three years thereafter.
 - If spill prevention is an integral part of a double walled AST and if a leak can be detected in the interstice, then monthly monitoring of the interstice can be conducted in lieu of periodic testing.



Part 110 – Operating Requirements

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- Periodic Inspection and Testing Requirements:
 - Overfill prevention equipment must be inspected or tested no later than July 24, 2021 and every three years thereafter.

 - Inspections and tests must be conducted by a person meeting qualified tester requirements in 20.5.105 NMAC.



Part 110 – Operating Requirements

- Periodic Testing and Inspection Requirements:
 - Containment sumps used for interstitial monitoring of underground piping must be tested no later than July 24, 2021 and every three years thereafter.
 - Low level sump testing may be used if all criteria are met. Full test required every 12 years or after sump sensor is found above lowest penetration in sump.
 - Report of testing results must be submitted within 60 days of completion of test or within 24 hours if result is a fail.



Part 110 – Operating Requirements

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- Periodic Walk-through Inspections:
 - Every 30 days an inspection of the following is required:
 - Spill prevention equipment;
 - Overfill prevention equipment;
 - Release detection equipment for alarms or signs of a leak;
 - Release detection reports and records reviewed.
 - Annually, inspect release detection equipment such as but not limited to tank sticks and bailers for operability and serviceability.



Part 111 – AST Release Detection



Part 111 – AST Release Detection

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- Annual Inspections and Testing of Equipment:
 - All equipment used to monitor an AST system monthly must be either inspected or tested annually for serviceability and operability.
 - ATG system used to monitor AST system must be third party certified for this application.
 - Automatic line leak detectors and sensors must be functionality tested annually.
 - Report of results must be submitted within 60 days of completion of test or within 24 hours if result is a fail.



Part 111 – AST Release Detection

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- Underground pressurized piping installed or replaced on an AST system after July 24, 2018 must use interstitial monitoring for release detection.
- Underground suction piping that does not meet the requirements for “Safe Suction” shall meet interstitial monitoring requirements.
- AST systems where all of the pressurized piping is aboveground will not be required to install an automatic line leak detector if the requirements in 20.5.111.1109 NMAC are met.

