



Maryland
Department of
the Environment

FACTS ABOUT: INSTALLING, UPGRADING, AND REPLACING UNDERGROUND PIPING

Piping that routinely contains a petroleum vapor or regulated substance and is installed, upgraded, or replaced on or after January 26, 2005 shall be:

- Double wall pipe;
- Connected to an underground storage tank (UST) in a liquid tight containment sump;
- Terminated in an under dispenser containment sump if a product dispenser is part of the UST system; and
- Contained in a liquid tight transition sump if the piping system is interrupted.

THE 40% RULE

If 40% or more of the total piping on a single UST system is upgraded or replaced, then all piping on that UST must be double wall.

- Total piping calculation includes: supply piping; return piping; vent piping; and Stage II piping.
- A compartmental tank is considered one tank system and includes all associated piping.

DOUBLE WALL TESTING REQUIREMENTS

New, upgraded, or replaced double wall piping shall have the secondary portion of the piping tested before operation of the UST system and every 5 years thereafter. All testing shall be done in accordance with manufacturer's specifications.

Primary piping must be tested by precision tightness test in accordance with COMAR 26.10.05.02D.

ADDITIONAL FACTS

- New, replaced, or upgraded UST piping systems installed on or after January 12, 2009, must have interstitial monitoring as a form of release detection.
- A Maryland Certified UST Technician must be onsite to oversee all new, replacement, or upgraded UST system activities.



- Owners and/or Operators are required to maintain records of all UST system upgrades and associated compliance testing.
- Records should be maintained onsite or readily available upon request from the Department.
- Owners and/or Operators shall provide written notification to the Department of a change or upgrade to a UST system. An amended UST Notification Form is available on the MDE website at: <http://mde.maryland.gov/programs/Land/Pages/landpermits.aspx>

CONTACTS

For further information on piping requirements for UST systems, please contact the Oil Control Program at (410) 537-3442 or (800) 633-6101 x3442. To report oil spills call 1-866-633-4686. Available 24 hours a day.

****DISCLAIMER****

This fact sheet is intended only as guidance to aide UST owners, operators, and Maryland Certified UST Technicians in understanding and implementing the Department's regulatory requirements. It is not intended to supplement or replace any statutory or regulatory requirements and does not create any enforceable rights at law or equity. In the event of any inadvertent conflict between this fact sheet and the Department's statutes and regulations, the statutes and regulation shall control.