

March 29, 2016

PIPING

All piping connected to an AST/UST shall be air pressure tested and all pipe connections (i.e., unions, elbows, etc) shall be soap tested. If any piping is underground it shall have secondary containment (i.e., supply/return lines, vent lines, stage II vapor recovery lines, remote fill, etc.). Primary lines shall be air pressure tested at 50 PSI or one and one half times normal operating pressure whichever is greater. The pressure gauge utilized to measure the test pressure shall have a maximum reading of three (3) times the test pressure. Secondary lines shall be air pressure tested at the manufactures specifications. All air pressure tests hold pressure for two hours with no pressure loss. (Coleman gauge is no acceptable)

Before being covered, enclosed, or placed in use, piping shall be tested to 150 percent of the maximum anticipated pressure of the system. Tanks installed inside buildings require a remote fill location having a lockable spill containment box in place. Remote fill piping connections to AST's containing Class II or IIIA Liquids shall be located outside of buildings at a location free from sources of ignition and not less than 5' away from building openings or lot lines from properties that can be built upon. A permanent sign shall be provided at the fill connection for the AST, documenting the filling procedure and tank calibration chart. Due to the weather conditions this sign can be located in another area accessible to the person filling the AST. This procedure shall require the person filling the tank to determine the amount of gallons required to fill to 90% of capacity before proceeding with the fill operation. Additionally, audio alarms will be required at the fill location site. Vent alarm tank fill signals (whistle vent alarm) will not be accepted as audio alarms.

A check valve shall be installed in piping that is over a 100' vertical rise that supplies fuel (i.e., supply pipe, remote fill pipe) from a lower location to a higher location, again exceeding 100'.

Pipe installations that run through a building in occupied spaces (i.e. offices, conference rooms, etc.) will require secondary protection, unless the piping used is scheduled 40 or greater and the joints are socket welded or butt-welded.

Primary vent piping for above ground storage tanks shall be of equal diameter or larger than the fill pipe diameter. In no case should the primary vent line be less than 1 ¼" diameter.

For tanks in buildings all vent lines (primary, emergency or secondary) shall terminate outside of buildings. Not less than 12' above grade and shall be at least 5' from building openings or lot lines that can be built upon. Class IIIB Liquids (flash point at or above 200 degrees) are allowed to discharge inside a building if the vent is a normally closed vent.

A member of the Pittsburgh Bureau of Fire Prevention Division shall witness all tests. Tests performed will be billed at \$16.00 per each test plus \$48.00 per hour, passed or failed.

Request for an Inspector to witness a test shall be made at least 48 hours in advance.