OFFICE OF THE STATE FIRE MARSHAL
STATE OF ILLINOIS

Statute, Rule or Standard Policy Interpretation:

Policy Number: 16-PCS-001   Replacing Shear Valve Tops   Effective Date: March 11, 2016

Title:	41 Ill. Adm. Code
Part:	175
Part Title:	Technical Requirements For Underground Storage Tanks and the Storage, Transportation, Sale and Use of Petroleum and Other Regulated Substances
Subpart (1 of 2):	C
Subpart Title:	Permits, Fees and Scheduling
Section Number:	175.300
Section Title:	Permitted UST Activity
Subpart (2 of 2):	D
Subpart Title:	Design, Installation and Construction Requirements
Section Numbers:	175.410, 175.420
Section Titles:	Containment Sumps; Piping

Purpose: This policy addresses work done affecting shear valves when <u>only</u> the top of the shear valve is replaced.

Scope: Statewide

Current Code: 175.300 Permitted UST Activity
- 175.300(g)(1) states in part as follows: *No permit is required to do like-for-like for the following.*

175.410 Containment Sumps
- 175.410(d) states in part as follows: *When an existing dispenser is removed and replaced with another dispenser and equipment at or below the shear valve used to connect the dispenser to the UST is replaced, under-dispenser containment is required.*

175.420 Piping
- 175.420(j) states in part as follows: *Any time product piping is broken for repairs, a precision line tightness test must be conducted before the piping is put back into service.*

Associated Rule Policy
Interpretation: 12-PCS-002 Containment Sumps
- Policy 12-PCS-002 states in part as follows: *Accepted industry standards and sound practice dictate that, when work is done under the dispenser cabinet at or below the shear valve, an under-dispenser containment be installed during such work whenever such containment is not already present. Subsection 175.410(d) shall be interpreted to require such containment when equipment or transitional components at or below the shear valve are replaced, regardless of whether the existing dispenser is being replaced. If, however, only an existing dispenser is being replaced without*

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any work at or below the shear valve, then the installation of under-dispenser containment will not be required. Examples of work that will trigger under-dispenser containment include replacement of items such as the shear valve, transitional piping or fittings, risers, flex connectors or other transitional components that are beneath the dispenser and connect the dispenser to the piping.

Policy Interpretation: A common repair performed below dispensers is replacement of the bolted-on top section of a shear valve. When the top, and only the top, of a shear valve is replaced, this activity will not trigger the requirement for installation of under-dispenser containment when none is already present. Replacement of an entire shear valve, however, must conform to the requirements at 175.410(d) and Rule Policy Interpretation 12-PCS-002.

Additionally, when work involving replacement of the shear valve top only is performed, such work will not require a permit from OSFM, but will be done as a like-for-like replacement. The following conditions will apply:
- the work shall be performed by a licensed contractor,
- the piping line associated with the shear valve will be precision tested,
- a completed Job Schedule for Testing Report will be left at the facility by the contractor following the precision piping test for the inspector to verify,
- and a Like for Like Replacement Report will be submitted to OSFM as required within 24 hours after the activity is performed.

The precision piping test may be performed by the contractor doing the shear valve top replacement if he is qualified to do this testing. It may also be done by a 3rd party testing contractor. The poppet below the shear point will be left open when testing the work to insure the replaced part and its piping connection are tested.

This Policy applies to both single-poppetted and double-poppetted shear valves.

Repealed Date:

Superseded: