



**Underground Storage Tank Section
of the Waste and Underground
Tank Management Bureau**
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Memo

To: Montana Licensed Installers
From: Redge R. Meierhenry
Date: August 21, 2007
Re: New Department Rules Implementing the Energy Policy Act of 2005 Requirements

The Department of Environmental Quality has adopted new rules that affect the design and installation of underground storage tanks and associated underground piping (UST systems). These changes are necessitated by The Energy Policy Act of 2005.

Your designs for UST systems documented on Permit Applications received by the department on or after August 24, 2007 must be in conformance with these adopted rules. Note that the final rule does not require an Automatic Line Leak Detector for interstitial leak detection systems.

These new rules affecting your designs and therefore your Permit Application submittals are noted below.

NEW RULE - Secondary Containment, Under-dispenser Containment, and Interstitial Monitoring

(1) Any underground storage tank (UST) that is replaced or installed after the effective date of this rule must:

- (a) Employ secondary containment and approved continuous interstitial monitoring, as described in ARM 17.56.407(1)(g)(i) and (1)(i), as a monthly leak detection method; and
- (b) Under-dispenser containment that provides access, and
- (c) Liquid-tight tank top sump where the product piping exits the tank.

(2) Any pressurized product piping regulated under ARM Title 17, chapter 56 that is installed or replaced after the effective date of this rule must:

- (a) Employ secondary containment;
- (b) Terminate in a liquid-tight sump at each end. The sumps must:
 - (i) be liquid-tight on their sides, bottom, and at any penetrations;
 - (ii) be compatible with the substance conveyed by the piping; and
 - (iii) allow for visual inspection and access to the components in the containment system and/or otherwise allow the system to be monitored
- (c) Employ approved continuous interstitial monitoring, as described in ARM 17.56.407(1)(g)(i) and (1)(i), as a monthly leak detection method; and

(3) If over 50% of the length of a particular pressurized product pipe is replaced (measured from the piping terminus at the tank to the other end of the replaced piping), then the entire length of product piping must be

replaced with secondarily-contained piping. The replacement of a line of product piping from a particular UST does not require the replacement of product pipes connected to other USTs.

(4) Liquid-tight under-dispenser containment must be installed under dispensers when:

- (a) A new UST system is installed;
- (b) Different dispensers and any associated hardware used to attach the dispenser to the product piping are installed;
- (c) Product piping is repaired or replaced at an associated dispenser island;
- (d) Significant modifications are made to the concrete at a dispenser island; or
- (e) The department determines liquid-tight under-dispenser containment is necessary to meet the requirements of this rule.

(5) If under-dispenser containment is required pursuant to (4), the containment must employ approved interstitial monitoring, as described in ARM 17.56.407(1)(g)(i) and (1)(i), as a monthly leak detection method and:

- (a) Be liquid-tight on its sides, bottom, and at any penetrations;
- (b) Be compatible with the substance conveyed by the piping; and
- (c) Allow for visual inspection and access to the components in the containment system and/or allow the system to be monitored.

REVISED MAJOR PERMIT APPLICATION SUPPLEMENTS

Permit Application Supplements that are changed as a result of new equipment requirements noted above are the:

- 1. Tank Installation, Supplement A (eliminated single wall for tank construction),
- 2. Pipe Installation, Supplement B, and
- 3. Tank and Pipe Installation, Supplement C.

These revised applications are included with this memo and available on-line as before.

Supplement A, B and C application forms that you submit must use the revised forms. These three supplemental forms will have the revision date "08/2007" that is found in the footer of each application page. Use these revised application supplements henceforth.

REVISED MINOR PERMIT APPLICATION

The Minor Application is revised to allow the documentation of Spill Bucket make and model and to document which component the booting of flex connectors is to occur. The Minor Application will have the revision date "08/2007" that is found in the footer of the document. Use this revised Minor Application henceforth.

If you have any questions, please call me at 406.444.1417.