



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

To: Montana Licensed Installers
From: Brett Smith
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Re: Installation of UST Systems

The installation of a new underground storage tank is a complicated and extensive process. Here are some hints that will make your permit come faster and easier.

- Be aware that ball-float vent overfill devices must be inspectable from the surface.
- Design the burial depth carefully. There are several requirements for this.
 - If deadmen are to be used for tank float-out prevention, the metallic components must be protected from corrosion. Include the cathodic protection design with the permit application.
 - If deadmen are not to be used for tank float-out prevention, submit the tank manufacturers' float out calculations with the permit application.
 - If the manufacturers' approved burial depth is sufficient to prevent tank float-out, no corrosion design is necessary for deadmen.
- *Any* cathodic protection installation or modification *must* be designed by a corrosion expert. Submit it with your permit. The program will not issue a permit if the application does not contain a design.
- A detailed site plan is necessary for all tank installation permits. It must contain, at a minimum, the following:
 - The location of tanks, piping and dispensers (old and new)
 - Location of buildings, property lines, utilities and monitoring wells
 - Tank nest cross sections, piping trench cross sections, anchoring details, flex locations
 - Subsurface soil type and ground slope
- Check to see if there has been a release at this site. If so, be prepared to deal with contaminated soil and water. Do not let yourself get surprised.