

Sump Sensors **(For Double-Wall Pressurized Piping Only)**

Description of Release Detection:

Some UST systems were permitted with sump sensors (SS) serving as the automatic line leak detector to detect a catastrophic leak in a double-wall piping system within one hour. In order to detect a catastrophic leak within the one-hour time frame, the sump sensor must be located within one inch of the submersible turbine pump sump bottom and the sump must be maintained to prevent water intrusion.

Operating and Maintaining Sump Sensors:

- At least once a year, have a qualified contractor service the sump sensor components and conduct a function check according to the manufacturer's instructions.
- Use the owner's manual for operation and maintenance procedures.
- Make sure employees who run, monitor, or maintain the Sump Sensor system know exactly what they have to do and to whom to report problems.

Record Keeping:

- For at least a year, keep the record of the annual function check that demonstrates that the sump sensor is performing properly.
- Keep a record of visually checking the SS position and sump condition at least monthly.
- Keep the monthly monitoring results for at least one year. At a minimum, a written log must be kept indicating monitoring results at least once every 30 days. Some monitoring equipment may provide printouts that can be used as records.
- Keep all records of calibration, maintenance, and repair of release detection equipment for at least one year.

If the Sump Sensor alarms or otherwise indicates a release has occurred, call the Division of UST Management within 72 hours at (803) 896-7957.

