

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CONTAINMENT SUMP INTEGRITY TESTING

- This form may be utilized to document integrity testing of containment sumps.
- Testing of all containment sumps is required at installation, at least once every 3 years thereafter and after any annual inspection fails or any repair or modification is made that may affect the sumps integrity.
- In the absence of an approved 3rd party test procedure or manufacturer's recommended practice, the test method outlined below in the "MDEQ Hydrostatic Test Procedure" section may be utilized.

Date of Test

UST Facility			Person Conducting Test		
Facility Name		MDEQ Facility ID #	Tester's Name		
Physical Address			Company		
City	County	State MS	MDEQ Certification #		Expiration Date
UST Owner			Tester's Signature		Date

Containment Sump Testing

Reason for Test	<input type="checkbox"/> New Installation <input type="checkbox"/> Routine 3 yr Test <input type="checkbox"/> Repair / modification <input type="checkbox"/> Release Investigation
Type of Test	<input type="checkbox"/> Hydrostatic (Complete "Test Data" table below)
	<input type="checkbox"/> Vacuum (Attach test equipment manufacturer's data sheet/test protocol to this form)
	<input type="checkbox"/> Other (Specify)

MDEQ Hydrostatic Test Procedure

1. Remove and properly dispose of any liquid or debris (leaves, sediment, filters, trash) in the containment sump
2. Examine all penetration fittings, conduits, junction boxes, caps or risers, and sump seams for defects, damage or water intrusion. If possible, these issues should be repaired or replaced before continuing the test.
3. Secondary piping test boots or fittings should be temporarily sealed to test the sump integrity. Remove sump sensors.
4. Document the height of the highest sump penetration fitting or sump seam as measured from the bottom of the sump.
5. Fill sump with water to a level at least four inches above the highest penetration fitting or seam (e.g. two piece sumps). Verify that the water level appears to be four inches higher or lower than the groundwater level. Let water settle for at least 15 minutes to allow water to reach ambient temperature.
6. Document the initial water level measurement as measured from the bottom of the sump to the nearest 1/16th inch.
7. Leave the sump undisturbed for at least one hour then compare the starting fluid level to the ending fluid level.
8. If the water level is the same or it has changed by 1/8th inch or less the sump passes the test.
Note: A leak less than 1/8th of an inch is still critical for tests performed as part of a release investigation; fluid level readings should be taken very carefully.
9. Remove and properly dispose of all water at the conclusion of testing.
10. Unseal all secondary piping test boots or fittings. Reinstall and secure all electronic sump sensors.

Test Data

Sump ID (product stored for STP or dispenser number)								
Highest penetration fitting or sump seam (inches)								
Test Start Time								
Test End Time								
Initial Water Level (inches)								
Final Water Level (inches)								
Test Result (Pass/Fail)								

Comments: