

Technical Procedure #2

Testing Procedure for Secondary Containment Sumps

The purpose of this procedure is to confirm that the secondary containment system is capable of containing a release from the primary containment system until the release is detected and cleaned up.

The recommended procedure for the testing of secondary containment sumps is:

1. Seal the interstice so that the water will not travel from the sump into the secondary or tertiary piping.
2. Fill the sump. Sump must be filled to:
 - a. 100% total capacity or
 - b. 6" over the top of the highest sump penetration.Either method may be used.
Fill sump with water. Do not fill with fuel. This can create an explosive environment.
3. Mark level with paint on the side of the sump.
4. Measure water depth at the paint/water interface
5. Visual check 24 hours later, measuring the water depth at the paint/water interface.
6. If level has dropped by over 1/2", identify and repair penetration(s) that have leaked. This may require a permit. Contact the department for additional details.
7. Dispose of petroleum contaminated water properly.

Once this test has been completed, the sump is considered to be liquid tight.