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 $\frac{1}{2}"$, 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.