



## OVERVIEW:

Contractor will test EPA regulated tanks to current EPA testing criteria for pipe sumps, spill container fill boxes, overflow drop tubes, high level alarm, remote alarms and electronic monitoring systems. All sump fittings will be replaced and visually apparent repairs for seams and gaskets will be completed. Once these repairs are completed the sumps and spill container fill boxes will be hydrostatically tested.

A complete bill of materials for fittings and seam repair will be furnished by ICON based on their engineering representative site specific inspection report.

No further repairs will be part of this initial contract.

**Prevailing wage is required for all on site personnel.**

All hydrostatic tests should be performed in accordance with PEI's RP1200-17.

## Base Bid Requires:

1. Replace all existing sump fittings
2. Repair sump bonds and seams
3. Hydrostatically test pipe sump to 4 inches above highest fitting
4. Hydrostatically test spill container fill box
5. Remove and inspect overflow prevention drop tube. Make sure it is pressure fill style and set to 95%. Make adjustments if possible and replace
6. Automatic tank gauge and other controllers: test alarm; verify system configuration; test battery back up
  - a. High level alarms should be set at 90% of tank design capacity
7. Probes and sensors: remove and inspect for residual buildup; ensure floats move freely; ensure shaft is not damaged; ensure cables are free of kinks and breaks; test alarm operability and communication with controller

8. Test remote high-level alarm to ensure it is working properly
9. Housekeeping in sump and spill container fill boxes will be completed in accordance with PEI industry standards
10. All testing water will be the responsibility of the contractor to remove from site following NYS DEC and NYS DOT requirements
11. Written report with pictures of all post testing deficiencies noted **and onsite installer's ICON certification card** will be furnished to AECOM within 3 days of testing completion

In addition Line item costs for replacement and repair equipment with labor will be given for:

1. Replacement of overflow valve with universal model 49-03, UL Listed for both ASTs and USTs for both pressure and gravity fills
2. Installation of ICON EZ fit lid with mounting ring to prevent intrusion of water via sump lid
3. Installation of ICON corrosion kit to include wire brushing prior to coating all metal parts