

## **Description of Permit Package PTF-099, Rev. 0**

### PTF-099, Rev. 0, “Tank System Secondary Containment for PTF ASX Samplers”

Permit package PTF-099 addresses the tank system secondary containment design associated with PTF Autosampling System (ASX) sampler cabinets (ASX-SMPLR-00015, -00017, -00019, -00020, and -00025). The autosamplers are located in Rooms P-0311C, P-0311B, P-0302, P-0301, and P-0307 respectively, at Elevation 56’-0” of PTF.

The PTF ASX autosampler cabinets have both upper and lower secondary containment liners and leak detection for ancillary equipment. The sloped stainless steel upper containment liner routes a leak from the sample feed and return lines to a sump for leak detection. The sloped stainless steel lower containment area diverts liquid to a collection trough. The trough contains a removable weir where liquids collect, activating the thermal level detection switch and alarm to indicate that a leak may have occurred.

Permit Package PTF-099, Rev. 0, includes only an assessment report signed by an independent qualified registered professional engineer (IQRPE) certifying certain portions of the permit package

The following components of this package are already included in the Dangerous Waste Permit, the Administrative Record, or are provided with other permit packages, as listed in the Table of Contents:

- General Arrangement Plan, Elevation 56’0”
- Secondary Containment Design (Submitted with package LAW-034)
- Material Selections for Building Secondary Containment/Leak Detection
- Installation of Tank Systems and Miscellaneous Unit Systems
- Leak Detection in Secondary Containment Systems (Submitted with LAW-034, this document updates and combines permit documents 24590-WTP-PER-J-02-001 and 24590-WTP-PER-J-02-002)
- Sump Data for PTF Facility
- Description of Access for Conducting Integrity Assessments
- Integrity Assessment Program and Schedule for DWP Regulated Equipment in the Pretreatment Facility and High-Level Waste Vitrification Facility
- Prevention of Hydrogen Accumulation in Tank Systems and Miscellaneous Treatment Unit Systems.