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STATEMENT OF WORK
BUILDING 910 EVAPORATORS/MODULAR TANKS
ASSESSMENT AND STARTUP

Background

The Rocky Flats Plant Operable Unit 4 (OU-4) Solar Evaporation Ponds under the Interim Measure/Interim Remedial Action (IM/IRA) Decision Document is required to use three portable flash evaporators and three modular surge tanks to accelerate the removal of liquids from the ponds. The three evaporators are also needed to treat water that is currently discharged into pond 207-B north from the Interceptor Trench System (ITS) which is located north of the ponds. The ITS was installed to collect migrating surface and ground water. In order to prevent additional accumulation of water in the ponds, temporary surge tanks have been built to hold the ITS water before it is sent to the flash evaporators in Building 910. The final concentrate from the evaporators will be reused as makeup water in the raw water or condensate system on plant site.

The three portable evaporators were designed and supplied by Licon Inc. EG&G provided the engineering to modify an existing facility, Building 910, to accommodate the Licon evaporators. There have been over 200 Field Change Orders generated to the design to date. Licon Inc. is responsible for the test and checkout of the evaporators and EG&G has the responsibility for the test and checkout of the total system and management responsibility for the overall project. The three modular tanks were designed and installed by Modutank Inc., the interconnecting siting, foundation, piping and pumping systems were designed by LATA Inc. and installed by E. T. La Fore under contract to EG&G who provided the technical oversight for all phases.

Tasks

The Hazardous Waste Remedial Actions Program (HAZWRAP) will provide independent technical and project management advisory support to the Department of Energy (DOE) Rocky Flats Field Office (RF) for the assessment and startup of the Building 910 Evaporators and Modular Surge Tanks.

Support will consist of the following activities:

- Task 1: Assess the current test and startup program and schedule to determine adequacy and readiness. The assessment will focus on the planned component, subsystem and system-level testing and determine sufficiency. If insufficient, changes will be recommended. The study will also assess the present schedule and recommend actions for system improvements.