

# Technical Review of the Mound Site

## Summary

by **EHS TECHNOLOGY GROUP, LLC**

**Reference Document:** PRS 271/336 Data Package, Public Review Draft, November 2004

**Purpose:** The purpose of this document is to notify the public of the status (No Further Action) of the Potential Release Sites (PRS) 271/336.

**Assessment of Review:** EHS has had the opportunity to review and comment on this PRS Data Package. We concur with the planned No Further Action status for PRS 271/336. This data package was prepared in accordance with the requirements specified in the *Work Plan for Environmental Restoration (ER) of the DOE Mound Site, The Mound 2000 Approach*. As such, all appropriate inquiry was made into the condition of the potential release site.

**Technical Analysis:** PRS 271/336 are assigned to two underground storage tanks associated with Building 37. Building 37 was designed as a Radioactive Heat Source Testing Facility. Tank 100 (PRS 271) was designed to receive sanitary waste water and to serve as a lift station for the wastes into a sanitary waste manhole south of Building 37. Tank 267 (PRS 336) was designed to received low risk radioactive waste water from floor drains. However, Building 37 is reported not to have handled unsealed radionuclides and later uses of the building were non-radiological. Both of these tanks were removed during a sanitary system upgrade in 2000/2001. Sampling of soils near the two tanks showed no activity exceeding the risk based Soil Screening Levels criteria. Surveys within the PRS 336 tank found no radiological contamination above DOE order 5400.5 criteria. Remaining underground portions of by-pass and sanitary sewer pipeline to or from these tanks are considered less contaminated than the inside of the PRS 336 tanks and have thus been capped and abandoned in place.

**Substantive Comments:** EHS concurs with the No Further Action recommendation for these tank pits, sewer lines and soils known as PRS 271/336. We understand that sampling in the area has determined that no soil contaminants are above the risk based Soil Screening Levels. Therefore, these PRS should not present a significant environmental concern at the site.

Coordination between CH2M Hill, the DOE and MMCIC to ensure the PRS 211/212 area is left in a condition consistent with the Mound Reuse Plan.

If EHS's understandings are correct, no specific response to the above comment is necessary, and we understand that these comments will be included in the OSC report.