

PUBLIC FACT SHEET

PRS 274/275: Former Explosives Bunker & Former Detonator Shack

This Fact Sheet satisfies the Public Notification requirement set forth in the Contingent Action Memorandum¹.

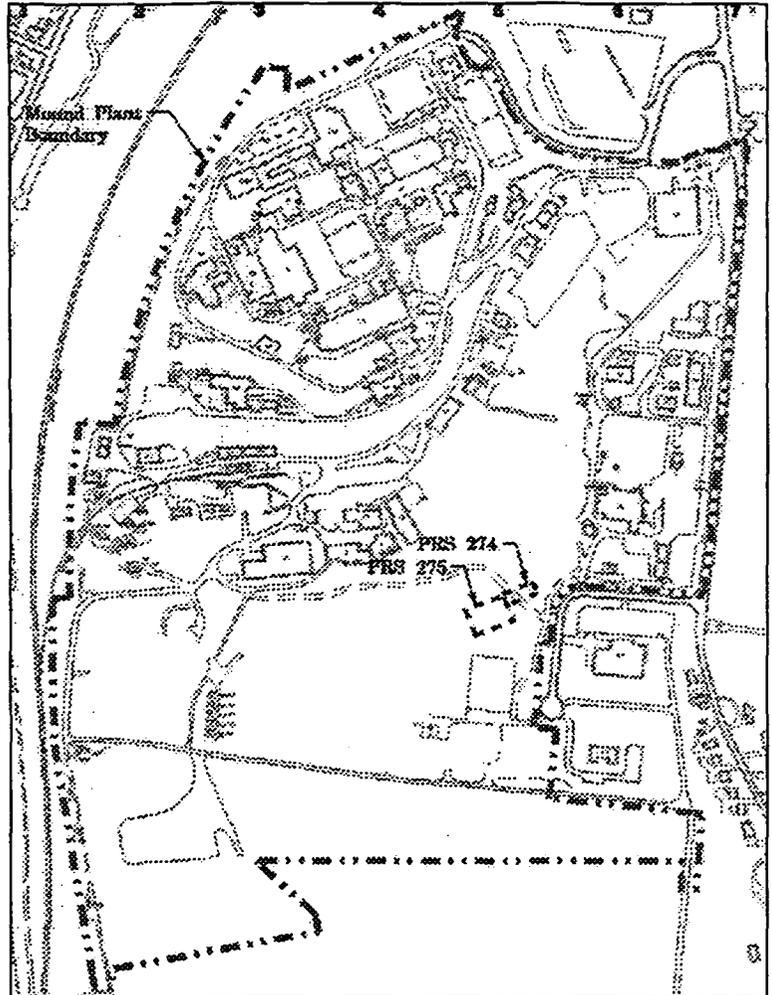
Background. Potential Release Sites (PRSs) 274 and 275, also known as the Explosives Bunker and Detonator Shack, respectively were located in the east central part of the Mound Plant. The structures were originally used to store explosives during the Mound Plant construction in 1947 and 1948. In the 1940s and 1950s, high gamma-emitting waste containers were stored in the structures. A review of aerial photos indicates that both structures were demolished by 1959.

Further Assessment (FA) sampling was performed in 2002 per the Core Team-approved Sampling and Analysis Plan (SAP). Contaminants of concern (COCs) were Actinium-227, Bismuth-210m, Cesium-137, Lead-210, Radium-226, Plutonium-238, Thorium-230, and lead. Cesium-137 exceeded the cleanup objective (3.8 pCi/g) at two isolated locations (4.32, 6.52, and 10.87 pCi/g). Cesium-137 cleanup objective = 0.42 pCi/g (background) + 3.4 pCi/g (10^{-5} Risk-Based Guideline Value). All other results were below applicable levels.

The Core Team recommended **Removal Action (RA)** per the Contingent Action Memorandum¹ for Cesium-137.

The **Work Plan** for Contingent Removal Actions², supplemented by the Unique Work Package includes procedures, instructions, and applicable permits and notifications required to safely conduct the work. Erosion and runoff/runoff controls will be managed per the SWP3³.

The Removal Action will consist of excavation to 8 feet at two isolated locations. Post-excavation sampling will be performed on the base and sidewalls of the excavation per the



Core Team-approved Verification Sampling and Analysis Plan.

Schedule. This Fact Sheet will be in public review for 30 days, ending the first week of May. The removal action will likely be completed by that time. Sampling will follow and results will be received in time to support the completion of the On-Scene Coordinator (OSC) Report by 6 July 2002.

Excavation and verification sampling are estimated to cost \$35,000.

Additional information can be found in the public reading room, or by contacting Jane Greenwalt at 865-3116.

1: Action Memorandum/Engineering Evaluation/Cost Analysis, Contingent Removal Action for Contaminated Soil, September 2001, Public Review Draft

2: Standard Work Package for Contingent Removal Actions, November 2001, Final

3: Storm Water Pollution Prevention Plan

