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**PROGRESS REPORT OPERABLE UNIT 2 OTHER
WASTE UNITS FEBRUARY 1994**

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FACT SHEET**



Operable Unit 2 OTHER WASTE UNITS

Rod Warner
DOE Manager,
Operable Unit 2
648-3156

Introduction

The Remedial Investigation/Feasibility Study (RI/FS) is the blueprint for cleanup at the U.S. Department of Energy's Fernald Environmental Management Project. The nature and extent of contamination at the Fernald site and surrounding areas is being thoroughly investigated so that appropriate remedial actions can be formulated and implemented.

The Fernald site has been divided into five sections, known as Operable Units, for environmental investigation and cleanup. The Operable Units were defined based on their location or the potential for similar technologies to be used in the ultimate cleanup.

During the course of the RI/FS effort, certain conditions are occasionally identified which call for more immediate action. These actions are called "removal actions" and are initiated when there is a need to accelerate cleanup activities to address releases or potential releases of hazardous substances. Removal actions are coordinated with the U.S. EPA and the Ohio EPA.

Following is a progress report on Operable Unit 2 including its history, the current status of RI/FS activities, cleanup alternatives under consideration, and work that is being done to alleviate near-term concerns.

Background

Operable Unit 2 includes the solid waste landfill, lime sludge ponds, inactive flyash disposal area, active flyash pile and the southfield area. These areas were used to dispose of flyash from the boiler plant, spent lime from water treatment activities, sanitary waste and construction rubble from past operations at the Fernald site. While uranium is the primary contaminant, investiga-

tions are in progress to determine the status of other hazardous constituents which may be present within Operable Unit 2 facilities.

RI/FS Activities

Sampling: Field samples from Operable Unit 2 waste facilities have been collected, analyzed and validated to ensure that the data available provides a high confidence level for final cleanup recommendations.

Reports: The revised draft Remedial Investigation (RI) report for Operable Unit 2 was submitted to the U.S. EPA and Ohio EPA in February 1994, for review and comment.

The Operable Unit 2 Feasibility Study (FS) report is being prepared. A draft FS report is scheduled for submittal to the U.S. EPA and Ohio EPA by April 29, 1994.

Remedial Design: Conceptual engineering studies continue for the solid waste landfill to establish preliminary design parameters and an enhanced cost estimate. Early initiation of this work is necessary to assure prompt implementation of remedial action following issuance of the Record of Decision for Operable Unit 2.

Removal Action

Inactive Flyash Pile Erosion Control: The purpose of this activity was to stabilize the east bank of Paddy's Run adjacent to the Inactive Flyash Pile. Continuation of soil erosion could have eventually undermined the Inactive Flyash Pile's western slope and, over time, resulted in discharge of flyash and potentially contaminated waste and fill into Paddy's Run. A weighted rock

berm was constructed to prevent further soil erosion. The need for possible additional action was evaluated. The final phase of construction, which implemented structural improvements necessary for long-term stability, was completed in September 1993. Ongoing maintenance activities will be performed as required.

Cleanup Alternatives

A variety of cleanup options are being evaluated for Operable Unit 2. These include excavation of impacted material and disposal in engineered facilities at on-site and off-site locations. For on-site disposal, individual cells for each subunit are being considered, as well as a common disposal cell. In-situ containment with appropriate caps also are being considered.

Treatment options include soil washing, vitrification, cement solidification, and stabilization of flyash with on-site lime material.

The Record of Decision for Operable Unit 2 is scheduled to be issued by the U.S. EPA on January 5, 1995.

For More Information

More information about Operable Unit 2 is available in the Public Environmental Information Center (PEIC), where Fernald Project cleanup documents are kept in the Administrative Record. The PEIC is located in the JAMTEK building, 10845 Hamilton-Cleves Highway, Harrison, Ohio, 45030. The telephone number is (513) 738-0164.