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**OPERABLE UNIT 2 OTHER WASTE UNITS - OCTOBER 1994 -
FACTSHEET**

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FACTSHEET



FERNALD
Environmental Management Project

Remedial Investigation/ Feasibility Study

PROGRESS REPORT

OCTOBER 1994

Operable Unit 2 OTHER WASTE UNITS

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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, and cleanup alternatives under consideration.

Background

Operable Unit 2 includes the Solid Waste Landfill, Lime Sludge Ponds, Inactive Flyash Pile, Active Flyash Pile, and the South Field 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 have been completed 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 June 1994 for review and comment. Operable Unit 2 received conditional approval of the RI report in August 1994. A final draft of the RI report, responding to EPA comments, was submitted to the U.S. EPA and Ohio EPA in September 1994. EPA response is expected in October 1994.

The Operable Unit 2 Feasibility Study (FS) report was submitted to U.S. EPA and Ohio EPA in April 1994. EPA comments on the FS report were returned to DOE in July 1994. A revised FS Report was resubmitted to the EPA in August 1994. Additional comments have been received from Ohio EPA, and U.S. EPA response is expected in October 1994.

Remedial Design: A pre-design field investigation is being performed to gather necessary information to determine the location and design parameters for an on-site disposal facility. The investigation will include soil studies and groundwater sampling. Operable Unit 2 discussed the investigation work plan concepts with U.S. EPA and Ohio EPA in meetings in August

and September 1994. The EPA agrees with the concepts. Operable Unit 2 is currently preparing the work plan for the investigation. Field work is scheduled to begin in December 1994.

South Field/Inactive Flyash Pile Seepage Control Removal Site Evaluation (RSE): Contaminated water is currently seeping from the South Field/Inactive Flyash Pile area. An evaluation is being conducted to determine whether a removal action is appropriate to cut off or capture the seepage, or if the problem would be better addressed during final remediation of those subunits.

Cleanup Alternatives

A variety of cleanup options were evaluated during the Operable Unit 2 FS. These include excavation of the waste material and off-

site disposal, excavation and on-site disposal in a common disposal facility, and consolidation and containment of waste at each subunit. The preferred remedial alternative, as presented in the Operable Unit 2 Proposed Plan, is excavation and on-site disposal of waste material.

The Record of Decision for Operable Unit 2 is scheduled to be issued by the U.S. EPA in May 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.