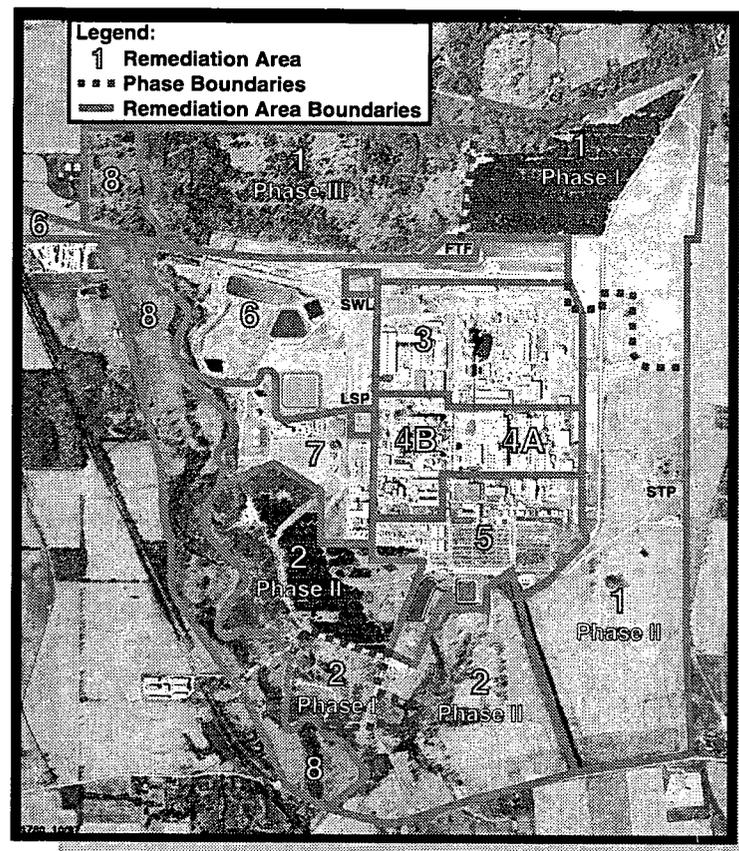


2-708.6

# Fernald Soil Characterization and Excavation Project

# Fact Sheet

Map depicts eight areas (and phases) for remediation at the Fernald site. Area 9 is off site along the eastern fence line. Area 10 is the long-term corridors (Map #4780).



## Description

The Soil Characterization and Excavation Project covers ten remediation areas at the U.S. Department of Energy's Fernald Environmental Management Project. The project includes components of cleanup remedies for Operable Units (OU) 2, 3, and 5, three of the five operable units at Fernald. OU2 includes remediation of the solid waste landfill, lime sludge ponds, South Field Area, and flyash piles. OUs 3 and 5 components include remediation of contaminated soils (not included in other operable units) and bringing at or below grade debris and structures to final remediation levels.

## Cleanup Plans

Cleanup activities include material sampling, analysis, design, excavation, segregation and treatment, certification, transportation, disposal, and restoration of potentially contaminated areas. Excavated soil and debris will be transported to the On-Site Disposal Facility or, when soil doesn't meet accepted criteria, to an off-site disposal facility.



*Site preparation includes the installation of three sediment basins for storm water control (6734-280).*

The project follows a general soil remediation process for each of the defined areas. These steps include pre-design investigation, remedial design, site preparation, excavation and segregation, pre-certification activities, certification, post-remediation activities, and restoration. Each area will be excavated using one of six approaches based on the nature, location, and concentration of contamination. With these six options, soil can be excavated with little impact on surrounding areas, and excavation can address specific challenges at each location.

The Site-wide Excavation Plan defines the management strategy and technical guidelines to direct soil remediation at Fernald. This plan ensures consistent application of methods and protocols during each phase of remediation. A design package

will be developed for each area that requires excavation, specifying the methods used for each, including an implementation plan, design drawings and specifications.

The Waste Acceptance Criteria Attainment Plan defines the on-site disposal requirements for materials generated by Fernald's restoration, decontamination and dismantlement efforts. To ensure on-site disposal requirements are met, this plan will be used as the technical and managerial basis for developing procedures and personnel training requirements for material handling, tracking, and reporting activities.

The Natural Resource Restoration Plan defines the strategy for restoring natural resources after site remediation, including site wide surface grading, vegetation, surface water management, and institutional controls.



*Contaminated materials from the area known as the Southern Waste Units will be hauled to the OSDF beginning in the summer of 1998 (6501-34).*

## For More Information...

More information about this project and other Fernald cleanup projects is available in the Public Environmental Information Center, 10995 Hamilton-Cleves Highway (Delta Building), or at Fernald's Web site address: [www.fernald.gov](http://www.fernald.gov). Stakeholders can also learn about cleanup plans and progress at Fernald's monthly Cleanup Progress Briefings held on the second Tuesday of each month.

For specific questions about this project, call Rob Janke, DOE-FEMP project manager at (513) 648-3124, or send an e-mail to [rob\\_janke@fernald.gov](mailto:rob_janke@fernald.gov).