

**5763**

**R-036-1005.2**

**OVERHEADS USED IN 01/12/93 EE/CA WORKSHOP FOR RA #27**

**01/12/93**

**DOE-FN      PUBLIC**  
**11**  
**OVERHEADS**

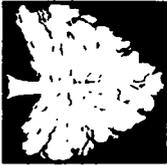


## **OPERABLE UNIT 3**

FERNALD

- **Former Production Area (136 Acres)**
- **Associated Facilities and Equipment**
- **Includes All Above/Below Grade Improvements**
- **Does not Include Soil or Groundwater**

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# REMOVAL ACTIONS

FERNALD

## Regulation

- National Oil and Hazardous Substances Contingency Plan (NCP) of March 1990 (40 CFR 300.415)

## Purpose

- To Abate, Minimize, Stabilize, Mitigate, or Eliminate a Release or a Threat of Release Prior to a Final Action if there is a Threat to Public Health or Welfare or the Environment

## Process

- In Situations where the Lead Agency Determines there is a Greater than Six-Month Planning Period Available for a Removal Action, Prior to Actual Field Implementation, an Engineering Evaluation/ Cost Analysis (EE/CA) Document is Prepared. The EE/CA also Lists the Available Alternatives. It is Made Available to the Public for Review and Comment.

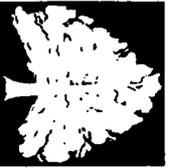


## EE/CA OBJECTIVES

FERNALD

- **To Analyze Removal Action Alternatives**
- **To Select the Preferred Alternative**
- **To Identify and Evaluate Health and Environmental Impacts**
- **To Ensure Consistency with CERCLA/NEPA Requirements**

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## CONTENTS OF EE/CA REPORT

FERNALD

- Summarize Site Characterization Data and Existing Situation
- Identify Removal Action Objectives
- Identify Removal Action Alternatives
- Evaluate Removal Action Alternatives
- Compare Alternatives; Make Recommendations
- Summarize Potential Environmental Impacts of Implementing the Preferred Alternative

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## EVALUATION CRITERIA

FERNALD

- Effectiveness -- Public Health
- Effectiveness -- Environmental
- Implementability
- Cost

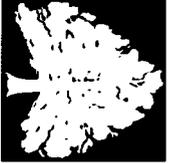
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## REMOVAL ACTION NO. 27

FERNALD

- **Title:**
  - Management of Contaminated Structures at FEMP
- **Removal Action Objectives:**
  - Minimize Potential for Release of Contaminants
  - Accelerate Cleanup
  - Reduce or Eliminate Safety Hazards from Deteriorating Structures
- **Scope:**
  - Addresses 25 Specific Structures at FEMP  
(See Handout for Description and Locations of Structures)



# STRUCTURES

FERNALD

- **25 Structures to be Decontaminated and Decommissioned**
- **Refer to Handout for Description and Location of Structures**

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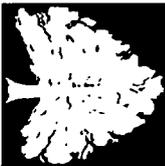


## ALTERNATIVES

FERNALD

- **No Action**
- **Drain Systems**
- **Enhance Containment**
- **Decontaminate Surfaces**
- **Remove Equipment and Materials**
- **Remove Equipment and Materials and Clean Surfaces**
- **Decontaminate and Decommission**

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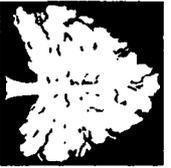


## **PREFERRED ALTERNATIVE**

FERNALD

- **Decontaminate and Decommission**
  - **Greatest Reduction of Risk**
  - **Consistent with and Accelerates Final Remediation**

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## DESCRIPTION OF PREFERRED ALTERNATIVE

FERNALD

- Remove Equipment in a Structure as Necessary;  
Package Bulk Materials Present
- Decontaminate Surfaces
- Dismantle the Structure Itself
- Transport Materials and Waste to Approved  
Storage Locations
- Dispose of Materials and Waste Properly, in  
Accordance with Prevailing Regulations
  - LLW to NTS
  - Maximize Recycle



**STATUS**

FERNALD

- Submitted to U.S. EPA and Ohio EPA on  
December 16, 1992
- Public Comment Period Ends February 8, 1993

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