

55

3-703 .3

**OVERHEADS FROM THE FEBRUARY 21, 1995, REMEDIAL DESIGN AND
REMEDIAL ACTION PUBLIC WORKSHOP**

02/21/95

DOE-FN PUBLIC
8
OVERHEADS



TRANSITION TO REMEDIAL DESIGN, REMEDIAL ACTION

FORM 100

- RI, FS and PP Represent Investigation and Evaluation
- ROD Constitutes the Selection of the Remedial Alternative
- Remedial Design and Remedial Action Represent the Design and Implementation of the Selected Remedy
 - Construction
 - Treatment
 - Disposal
- FEMP has 4 Operable Units in Various Stages of RD/RA Development and Implementation (OU's 1, 2, 3, and 4)



REMEDIAL DESIGN WORK PLAN

SEWARD

- **Submit 60 days after finalization of ROD**
- **Purpose of the RD Workplan is to identify and define the activities required to develop final construction plans and specifications for the implementation of the selected remedy described in the ROD.**
- **Strategy; Approach; Schedule for subsequent submittal of Design Review Packages; Components (detail).**
- **Will also identify schedule for submittal of Remedial Action Plan.**



RD WORK PLAN SUBMITTAL PROCESS

Finalization of ROD

- ◆ Submit Initial Draft RD Work Plan to US/OEPA
-60 days -◆

US/OEPA Review/Comment RD Work Plan

60 days

Revise Draft RD Work Plan/Respond to US/OEPA Comments

30 days

- ◆ Submit Draft Final RD Work Plan to US/OEPA

US/OEPA Review Draft Final RD Work Plan

30 days

- ◆ RD Work Plan Approval by US/OEPA



DESIGN REVIEW PACKAGES (COMPONENTS)

- Submittal Schedule outlined in RD Work Plan
- Single or Multiple depending on Remedy Selection, Strategy, Timing, Procurement etc.
- Example OU4 will contain 3 Design Review Packages (Components)
 1. Site Preparation/ Waste Retrieval
 2. Process Facilities
 3. Final Site Remediation (Silo Area)
- Each Design Review Package (Component) will initially be submitted as a:
 1. Preliminary Design Review Package followed by a
 2. Prefinal Design Review Package after US/OEPA review and comment.



DESIGN REVIEW PACKAGE (COMPONENT) SUBMITTAL PROCESS

REVISED

◆ Submit Preliminary Design Review Package to US/OEPA

◆ US/OEPA Review/Comment on Preliminary Design Review Package

60 days

Respond to US/OEPA Comments

30 days

◆ Submit Response to Comments to US/OEPA

◆ Develop Prefinal Design Review Package

X days

◆ Submit Prefinal Design Review Package to US/OEPA

◆ US/OEPA Review Prefinal Design Review Package

30 days

◆ Final Design Review Package Approved by US/OEPA

Development of Design Review Package

[Redacted bar]

Graphics #3214F.5 2/95



REMEDIAL ACTION WORK PLAN

- Schedule for submittal identified in Remedial Design Work Plan
- Purpose of the Remedial Action Work Plan is to present the implementation of the Design Review Packages
- Will address construction schedule and treatment schedule if appropriate, disposal
- May contain: (ACA) - or contains a schedule for submittal of additional plans
 1. Sampling and analysis plan
 2. Health and Safety Plan
 3. Plan for satisfying permit requirements
 4. Environmental Monitoring Plan, (OU5) Groundwater Monitoring Plan
 5. Operations and Maintenance Plan

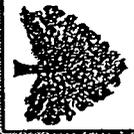


OPPORTUNITIES FOR PUBLIC INVOLVEMENT IN REMEDIAL DESIGN WORK PLAN SUBMITTAL

400000

Finalization of ROD

- ◆ Submit Initial Draft RD Work Plan to US/OEPA (Public Notice)
 - ◆ 60 days
 - ◆ US/OEPA Review/Comment RD Work Plan
 - ◆ 60 days
 - ◆ Revise Draft RD Work Plan/Respond to US/OEPA Comments
 - ◆ 30 days
 - ◆ Submit Draft Final RD Work Plan to US/OEPA (Public Notice)
 - ◆ US/OEPA Review Draft Final RD Work Plan
 - ◆ 30 days
 - ◆ RD Work Plan Approval by US/OEPA
 - ◆ Submit Fact Sheet
- ◆ Workshop
- ◆ Public Briefing



OPPORTUNITIES FOR PUBLIC INVOLVEMENT IN DESIGN REVIEW PACKAGE SUBMITTAL

◆ Submit Preliminary Design Review Package to US/OEPA (Public Notice)

◆ US/OEPA Review/Comment on Preliminary Design Review Package

60 days

Respond to US/OEPA Comments

30 days

◆ Submit Response to Comments Document to US/OEPA (Public Notice)

◆ Develop Prefinal Design Review Package

X days

◆ Submit Prefinal Design Review Package to US/OEPA (Public Notice)

◆ US/OEPA Review Prefinal Design Review Package

30 days

◆ Final Design Review Package Approved by US/OEPA

◆ Submit Fact Sheet

Development of Design Review Package



FINALIZATION AND APPROVAL OF COMPLETE DESIGN

PERVALD

603000

- After all Design Review Packages (Components) are approved and finalized, a Fact Sheet Explaining the Fundamental Aspects of the Design will be published and a Public Briefing Offered.
- This is required by the NCP
- Prior RD Public Involvement Activity is above and beyond requirements of NCP
- Could be affected by Budget



OU3 INTERIM REMEDIAL ACTION

PERMALD

000010

Scope of OU3 Interim Remedial Action: IROD Summary

- Decontamination and Dismantlement (D&D) of Over 200 Buildings and Structures
- Includes Above- and Below-Grade Structures
- Interim Storage of Most D&D Material on Storage Pads
- Limited Off-Site Disposal / Recycling to be Considered on a Case-By-Case Basis
- OU3 Final Action ROD to Address Disposition of All D&D Materials



OU3 INTERIM REMEDIAL ACTION

HEAVARD

Key Interim Action Dates

- OU3 Proposed Plan Issued (12/93) with Public Review
- RD / RA Workshop with Stakeholders (6/2/94)
- IRD Signed (7/94)
- Draft OU3 RD / RA Work Plan Submitted to USEPA / OEPA (9/19/94); Draft Final Work Plan Submitted to USEPA / OEPA (12/15/94)
- Work Plan Approved (2/95)

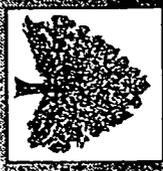


OU3 INTERIM REMEDIAL ACTION

FERNALD

OU3 Remedial Design / Remedial Action Work Plan: Overview

- Provides Strategy and Management Framework for Implementing IROD
- Sets Standards and Performance Specifications for Design of Structure Dismantling Actions
- Establishes Environmental Monitoring Requirements
- Identifies the Main Elements of the Project-Specific Implementation Plans



OU3 INTERIM REMEDIAL ACTION

REMNALD

000C13

OU3 Remedial Design Prioritization and Sequencing Report

- Part of the OU3 RD / RA Work Plan Deliverables
- Provides the Remediation Sequence and Schedule for Estimated 22 Above-Grade and 3 Below-Grade Complexes
- Includes the Estimated Volumes and Types of Materials to be Managed
- Provides an Integrated Closure Sequence and Schedule for Hazardous Waste Management Units
- Draft Submittal to USEPA and OEPA on 3/17/95; Allows for Annual Update as Applicable



OU3 INTERIM REMEDIAL ACTION

FERNALD

Major Sequencing Considerations

- Clear Upgradient Areas for OU5 Soil Remediation, Excavating from North to South to Avoid Re-Contamination
- Northeast Quadrant Involves Fewer Structure Removals to Obtain Large Cleared Area
- Remove Structures from Path of Proposed Disposal Cell
- Remove Structures from Ends of Utilities to Source of Utilities

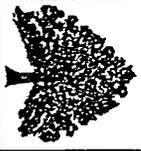


OU3 INTERIM REMEDIAL ACTION

FERNALD

Base Remediation Schedule for Dismantling OU3 Structures

- Safe Shutdown Remains Top Priority for OU3
- Constrained by Projected Budgets and Priorities of Site Activities
- Draft Schedule Spans 27 Years and Represents Continuous Activity
- Building 4A and Three Smaller Structures (External Complex) are Scheduled First Due to Their Immediate Availability
- Thereafter, the Schedule Follows the Prioritized Sequence



OU3 INTERIM REMEDIAL ACTION

BERNARD

Building 4A Implementation Plan: Overview

- **Project-Specific Work Plan for Demolition of the Building**
- **Fulfills EPA Design Requirements**
- **Details Remediation Approach**
 - Contamination profile for each structure
 - Material estimates, handling, and disposition
 - Air monitoring plan
 - Remediation tasks - approach and preferred methods
 - List of performance specifications
 - Design drawings
 - Photographs of structures

000016



OU3 INTERIM REMEDIAL ACTION

REMNANT

Upcoming Implementation Plans

- External Complex
- Thorium Complex / Plant 9 Complex
- Boiler Plant / Water Plant Complex