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R-036-1005.3

**HANDOUTS AND COMMENT FORM FROM THE 01/12/93 EE/CA  
WORKSHOP FOR RA #27**

01/12/93

DOE-FN      PUBLIC  
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HANDOUTS

# Contaminated Structures in Removal Action No. 27

Number	Name	Purpose
3F	Harshaw System	Fume Recovery
3G	Refrigeration Building	Cooling
4A	Green Salt Plant and Misc. Tanks	Various Recovery and other processes
4C	Plant 4 Maintenance Building	Maintenance
7A	Plant 7 -- Main Building	UF <sub>6</sub> to UF <sub>4</sub> Reduction
10D	Contaminated Oil/Graphite Burn Pad	Small, open, gas-fired furnace
13B	Pilot Plant Maintenance Building	Maintenance
13C	Sump Pump House	Holding tanks for sump effluent
13D	Pilot Plant Thorium Tank Farm	Storage of thorium nitrate, other chemicals
18K*	Low Nitrate Tank	Temporary holding for low nitrate wastes
18L*	High Nitrate Tank	Temporary holding for high nitrate wastes
32A	Magnesium Storage Building	Storage for drummed and bagged magnesium
32B	Building 32 Covered Loading Dock	Ramp for vehicle access
39A	Incinerator Building	Burned trash and liquid solvents; oil
39D*	Sewage Treatment Plant Incinerator	Burned variety of wastes
65	(Old) Plant 5 Warehouse	Storage for drummed thorium compounds
67	Plant 1 Thorium Warehouse	Storage for drummed thorium compounds
68	Pilot Plant Warehouse	Storage for various compounds, RCRA waste drums
69	Old Decontamination Building	Decontamination for tools, vehicles, scrap
72	Drum Storage Building	Storage for cleaning equipment, control panels
73A*	Fire Brigade Training Center Building	Fire training, smoke drills
73B*	Fire Training Pond	Combustible liquid fire training
73C*	Fire Training Tank	Combustible liquid fire training
73D*	Fire Training Burn Trough	Volatile liquid fire training
73E*	Confined Space Burn Tank	Simulated rescue training

\* Designates structures outside the former Production Area

For detailed information, refer to Table 2-3 in the EE/CA

# POTENTIAL ENVIRONMENTAL IMPACTS STUDY OF THE PROPOSED ACTION

## Air Quality Impacts:

- Potential air releases possible as a result of decontamination and decommissioning. Design and implementation of proposed actions will minimize any potential releases.

## Topographical Impacts:

- Doesn't involve excavation of soil; no effects on topography.

## Soil Impacts:

- Cleaning processes will be contained, erosion controlled, and air exhausted and released through HEPA's in work areas; minimal, if any impact.

## Groundwater Impacts:

- Should reduce risk of groundwater contamination at site.

## Surface Water and Aquatic Ecology Impacts:

- Will not adversely affect local water resources. No harmful surface drainages are in area of activity. No actions are in wetlands or flood plains.

## Acronyms

ARAR	applicable or relevant and appropriate requirements
AWWT	advanced wastewater treatment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act (also known as Superfund)
CFR	Code of Federal Regulations
CRU	CERCLA/RCRA Unit
D&D	decontaminate and dismantle
DOE	U.S. Department of Energy
DOE-FN	U.S. Department of Energy Fernald Field Office
EE/CA	engineering evaluation/cost analysis
EIS	environmental impact statement
EPA	U.S. Environmental Protection Agency
ERMC	environmental restoration management contractor
FEMP	Fernald Environmental Management Project
FMPC	Feed Materials Production Center
FS	feasibility study
HEPA	high-efficiency particulate air
LLW	low-level waste
MCL	maximum contaminant level
NCP	National Oil and Hazardous Substances Contingency Plan
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NTS	Nevada Test Site
OU	Operable Unit
RA	removal action
RCRA	Resource Conservation and Recovery Act
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
ROD	record of decision
SARA	Superfund Amendments and Reauthorization Act
SWCR	Site-Wide Characterization Report
UST	underground storage tank

## Chemical Symbols and Abbreviations

PCB	polychlorinated biphenyl
ThF <sub>4</sub>	thorium tetrafluoride
UF <sub>4</sub>	uranium tetrafluoride
UF <sub>6</sub>	uranium hexafluoride
UNH	uranium nitrate
UO <sub>2</sub>	uranium dioxide
UO <sub>3</sub>	uranium trioxide
VOCs	volatile organic compounds

**U.S. DEPARTMENT OF ENERGY  
FERNALD ENVIRONMENTAL MANAGEMENT PROJECT  
Removal Action No. 27 EE/CA Comment Form**

**5764**

The U.S. Department of Energy invites you to formally comment on the Engineering Evaluation/Cost Analysis for Removal Action No. 27, Management of Contaminated Structures. This document identifies a strategy for managing 25 contaminated structures, most of which are within the former Production Area. This document is available for public review in the Public Environmental Information Center, JAMTEK Building, 10845 Hamilton-Cleves Highway, Harrison, Ohio 45030. The public comment period for the Removal Action No. 27 EE/CA is December 23, 1992 - February 8, 1993.

Write your comments below; then stamp and mail to the pre-printed address. This form is not required to submit written comments. It is provided for your convenience.

**Completing this section is OPTIONAL.**

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

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COMMENTS:

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