



# FRIDAY MAILING

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8/8/97

### INCLUDED IN THIS MAILING ARE:

- Announcements
- Summary of Fernald Monthly Report
- Hazardous Materials/Chemicals Tables

### ANNOUNCEMENTS:

- CITIZENS ADVISORY BOARD OFFICE AND PEIC NOTICE:**  
Please note that the Citizens Advisory Board Office and the PEIC have moved. The new location of the Citizens Advisory Board Office is in the Jamtek Building, 10845 Hamilton-Cleves Hwy. The PEIC is now located in the Delta Building. The Citizen's Advisory Board phone number and fax will remain the same. Please call with any questions.
- DOE COMMUNITY MEETING:** There will be a DOE Community Meeting on Tuesday, August 12, 1997, at the Plantation from 7:00 - 9:00 p.m. Current status will be presented on all projects at the site.
- FERNALD HEALTH EFFECTS SUBCOMMITTEE MEETING:** The Fernald Health Effects Subcommittee Meeting will meet on Wednesday and Thursday, August 20-21, 1997, at the Plantation. The meeting on Wednesday will take place from 1:00 - 9:00 p.m., and the meeting on Thursday will take place from 8:00 a.m. to 5:00 p.m.
- COMMUNITY REUSE ORGANIZATION:** The regularly scheduled full CRO Board will meet on Tuesday, September 2, 1997. The meeting will take place at 7:00 p.m. at the Ross High School Media Center, 3425 Hamilton-Cleves Rd. In addition, please note that the new CRO message line (648-4168) has recordings of the latest news and changes in CRO meetings. If you have any questions, you can also leave a voice message, and someone associated with CRO will return your call.

### QUESTIONS:

Please call John at [redacted] or Doug at [redacted] with questions or concerns. You may also fax or e-mail us at:

John	FAX: 281-3331	E-MAIL: john.applegate@law.uc.edu
Doug	FAX: 648-3629	E-MAIL: [redacted]



## FRIDAY MAILING

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### ANNOUNCEMENTS (Continued):

- ❑ **EFFICIENCY COMMITTEE MEETING:** The Efficiency Committee will meet on Wednesday, September 17, 1997, at 6:00 p.m. at the Jamtek Building at 10845 Hamilton Cleves Highway.
- ❑ **FERNALD CITIZENS ADVISORY BOARD MEETING:** The Citizens Advisory Board's next meeting will be Saturday, September 20, 1997, at 8:30 a.m. in the Alpha Building.
- ❑ **FYI:** The following web pages may provide information on activities at the Fernald site.  
Fernald Web Site: <http://www.fernald.gov>  
Dept. of Energy Home Page: <http://www.doe.gov>  
DOE Map of Sites:  
<http://www.doe.gov/html/doe/infolink/usdoemap.html>  
Office of Civilian Radioactive Waste Management Home Page:  
<http://www.rw.doe.gov>  
Nuclear Management and Waste Web Sites:  
<http://www.rw.doe.gov/links.htm>

### QUESTIONS:

Please call John at [REDACTED] or Doug at [REDACTED] with questions or concerns.  
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Doug FAX: 648-3629 E-MAIL: [REDACTED]



# FERNALD MONTHLY REPORT SUMMARY

June 1997

## OPERABLE UNIT 1

### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Requested and received Alternative Remedial Action Subcontracting Approach (ARASA).

### *MAJOR WORK TO BE INITIATED/COMPLETED - JULY 1997*

- Send ARASA Consent Package to DOE-FEMP for approval
- Initiate interactions with Envirocare specific to the Waste Pits Remedial Action Project (WPRAP).
- DOE to issue Invitation for Bid for the procurement of 135 railcars.

## OPERABLE UNIT 2

### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Began On-Site Disposal Facility (OSDF) Phase I construction on June 20, 1997 with clearing and grubbing of the pine stand in the northwest corner of the OSDF footprint.
- Began preparations for construction on the Relocated North Access Road.
- Installed fourth Type 2 groundwater monitoring well for the OSDF and initiated baseline sampling.
- Submitted the Draft Site Preparation Plan for Area 2, Phase 1 (Southern Waste Units) to the Agencies on June 13, 1997.
- Submitted the Certified for Construction Drawings for Area 2, Phase 1 to the Agencies on June 16, 1997.
- Initiated procurement process for awarding the site preparation contract for the Southern Waste Units.

### *MAJOR WORK TO BE INITIATED/COMPLETED - JULY 1997*

- Complete construction of the sediment basin for OSDF Phase 1.
- Excavate Cell 1 in preparation for liner installation.
- Close current FEMP North Access Road on July 1, 1997.

## OPERABLE UNIT 3

### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Conducted utility disconnects in Plant 6.
- Began holdup material removal from the Sewage Treatment Plant Incinerator.
- Mobilized and began initial activities in Plant 8.
- Performed asbestos abatement activities in Boiler Plant/Water Plant.
- Issued ammendment #1 to Thorium/Plant 9 D & D Project Request for Proposal (RFP) to prospective bidders on June 2, 1997. Began evaluation of responses to RFP.

## OPERABLE UNIT 4

### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Conducted a Silo 3 Stabilization Workshop in Nevada on June 3, 1997.
- Attended monthly meeting of Nevada Test Site (NTS) Citizens Advisory Board (CAB) and CAB's Transportation Protocol Working Group on June 4, 1997.
- Completed Marketing Survey meetings for potential treatment alternatives for Silos 1 and 2 wastes and began preparing summary of key findings.
- Finished disposal of Vitrification Pilot Plant Waste Glass on June 13, 1997.

### *MAJOR WORK TO BE INITIATED/COMPLETED - JULY 1997*

- Conduct a Silo 3 Stabilization Workshop in Nevada for NTS stakeholders on July 1, 1997.
- Attend meeting of NTS CAB on July 2, 1997.
- Assist in hosting a trip to Brookhaven National Laboratory for members of the FCTF Waste Management Committee on July 16, 1997.



## MONTHLY REPORT SUMMARY - CONTINUED

June 1997

### OPERABLE UNIT 5

#### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Completed the Parking Lot Stormwater Runoff Diversion Project on June 10, 1997.
- Transmitted the Remedial Design Fact Sheet for Operable Unit 5 Aquifer Restoration - Groundwater Final Remediation Levels (FRLs) for Flouride and Lead, and the Revised Groundwater Final Remediation Level Table to the Agencies on June 17, 1997.
- Held pre-bid meeting on June 25, 1997 for the South Plume Optimization, South Field Extraction System, and Injection Demonstration Projects.
- Submitted Final Draft of Sitewide Evacuation Plan (SEP) to DOE-FEMP for review and comment.
- Began incorporating DOE comments on the Draft Comparability Study for the High Purity Germanium (HPGe) Detector Systems.
- Submitted Area 1, Phase II 30% design to DOE on June 20, 1997.

#### *MAJOR WORK TO BE INITIATED/COMPLETED - JULY 1997*

- Prepare Final Integrated Monitoring Plan (IEMP) and Final OSDF Groundwater/Leak Detection and Leachate Monitoring Plan.
- Implement IEMP sampling.
- Complete the Project Specific Sampling Plan for Area 1, Phase II and initiate Precertification, Certification, and WAC sampling.

### WASTE MANAGEMENT

#### *MAJOR WORK INITIATED/COMPLETED - JUNE 1997*

- Shipped 1,725.00 m<sup>3</sup> low level waste to Nevada Test Site (NTS).
- Treated 2.60 m<sup>3</sup> in the Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS).
- Shipment of non-hazardous silver recovery cartridges to the Safety Kleen facility in Lexington, South Carolina was made as scheduled on May 6, 1997.
- Auditable Safety Record and Unreviewed Safety Questions for the RCI Solvent Extraction Project were approved by the Ohio Field Office.
- Proposals were received from potential contractors in June for cement stabilization of thorium mixed wastes.

#### *MAJOR WORK TO BE INITIATED/COMPLETED - JULY 1997*

- Prepare over 300 drums of mixed wastes for shipment to Envirocare for disposal.
- Perform construction acceptance testing and systems operability testing for RCI Solvent Extraction in preparation for project startup.

### THORIUM OVERPACK PROJECT (TOP)

#### *ALL FIGURES CUMULATIVE FOR THE PROJECT AS OF JULY 1, 1997*

- Overpacked 5,577 drums.
- Filled 971 Thorium Overpack Containers (TOCs).
- Shipped 961 TOCs.

**ACTUAL Hazardous Materials/Chemicals TO the Fernald Environmental Management Project**

**MONTH: July 1997**

Actual shipments for July				
Date of Shipment	Type of Hazardous Material/Chemicals	Volume	Mode of Transportation	Purpose
June 18, 30 July 7	Diesel Fuel (LB-504)	6,000 gl.	Truck	Vehicle fuel
	Argon/Methane gas (C-501)	0 cy.	Truck	Various Equip.
June 18 July 7	Gasoline (LB-506)	4,000 gl.	Truck	Vehicle fuel
June 23 July 2, 10, 15	Propane - 33# cylinder(C-565)	105 ea.	Truck	Vehicle fuel
June 23 July 2, 15	Propane - 43# cylinder(C-566)	7 ea.		
June 20, 27 July 11	P-10 gas (C-19)	108 cy.	Truck	Various Equip.
	Chlorine gas (C-4)	0 cy.	Truck	Water Treatment
	Dicalite (CB-234)	0 lbs.	Truck	Shipment Preparation
	Black River Lime (CB-240)	0 lbs.	Truck	Water Treatment
	Sulfuric Acid (CB-270B)	0 lbs.		
	Dicalite (CB-531)	0 lb.	Truck	Various equipment
	Caustic (CB-534)	0 gal.	Truck	Water Treatment
	Oxygen Gas (C-6)	0 cy.	Truck	Maintenance Equip.

**ACTUAL Waste Shipments FROM the Fernald Environmental Management Project**

**MONTH: July 1997**

Date of Shipment	Type of Hazardous Material/Chemicals	Volume <sup>1</sup>	Mode of Transportation	Destination
July 1997	Process Area Scrap	59,831/8,085 (external)	Truck	Nevada Test Site Low-Level Waste (NTS-LLW)
July 1997	Construction	4,047/ 547 (external)	Truck	NTS-LLW
July 1997	Residues	0/ 0 (external)	Truck	NTS-LLW
July 1997	Baled Trash	0/ 0 (external)	Truck	NTS-LLW
July 1997	Miscellaneous (MWS + SEG)	616/ 83 (external)	Truck	NTS-LLW
July 1997	Asbestos	0/ 0 (external)	Truck	NTS-LLW
July 1997	Thorium	0/ 0 (external)	Truck	NTS-LLW

<sup>1</sup>Volumes are given in cubic feet and drum equivalents, respectively. 1 Drum Equivalent (DE) = 7.4 Cubic Feet. External volumes are equivalent to NTS burial volumes and are based upon the exterior dimensions of the container plus runners and associated void space between runners.

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**PROJECTED<sup>1</sup> Waste Shipments FROM the Fernald Environmental Management Project****MONTH: August 1997**

Projected Month of Shipment	Type of Hazardous Material/Chemicals	Volume <sup>2</sup>	Mode of Transportation	Destination
August 1997	Process Area Scrap	48,564/6,563 (external)	Truck	Nevada Test Site Low-Level Waste (NTS-LLW)
August 1997	Construction	10,609/1,434 (external)	Truck	NTS-LLW
August 1997	Residues	25,891/3,499 (external)	Truck	NTS-LLW
August 1997	Contaminated Trash	6,569/ 888 (external)	Truck	NTS-LLW
August 1997	Miscellaneous (MWS + SEG)	0/ 0 (external)	Truck	NTS-LLW
August 1997	Asbestos	22,262/3,008 (external)	Truck	NTS-LLW
August 1997	Thorium	0/ 0 (external)	Truck	NTS-LLW

<sup>1</sup>Due to various circumstances, the monthly shipments may surpass or fall below the projection.

<sup>2</sup>Volumes are given in cubic feet and drum equivalents, respectively. 1 Drum Equivalent (DE) = 7.4 Cubic Feet. External volumes are equivalent to NTS burial volumes and are based upon the exterior dimensions of the container plus runners and associated void space between runners.

**PROJECTED<sup>1</sup> Hazardous Materials/Chemicals TO the Fernald Environmental Management Project**

**MONTH: August 1997**

Projected for August				
Projected Month of Shipment	Type of Hazardous Material/Chemicals	Volume	Mode of Transportation	Purpose
August 1997	Diesel Fuel (LB-504)	6,000 gl.	Truck	Equipment Fuel
August 1997	Argon gas (C-501)	0 cy.	Truck	Various equipment
August 1997	Gasoline (LB-506)	4,000 gl.	Truck	Equipment Fuel
August 1997	Propane - 33# cylinder(C-565)	115ea.	Truck	Equipment Fuel
August 1997	Propane - 43# cylinder(C-566)	8 ea.	Truck	Equipment Fuel
August 1997	P-10 gas (C-19)	108 cy.	Truck	Purge gas
August 1997	Chlorine gas (C-4)	0.00		
August 1997	Lime, Black River (CB-240)	0 lb.	Truck	Water Treatment
August 1997	Sulfuric Acid (CB-270B)	0.00		
August 1997	Dicalite (CB-531)	0 lb.	Truck	Various equipment
August 1997	Caustic (CB-534)	0.00	Truck	Water Treatment
August 1997	Oxygen gas (C-6)	2 cy.	Truck	Maintenance Equip.

<sup>1</sup>Due to various circumstances, the monthly shipments may surpass or fall below the projection.

100