



Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



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FEB 14 2001

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0331-01

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF JANUARY 1, 2001
THROUGH JANUARY 31, 2001**

This letter transmits the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Monthly Report for the period of January 1, 2001, through January 31, 2001. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

FEMP:Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

Enclosure

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Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosure:

N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
D. Carr, Fluor Fernald, Inc./2
T. Hagen, Fluor Fernald, Inc./65-2
D. Whitaker-Sheppard, Fluor Fernald, Inc./31
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
S. Hinnefeld, Fluor Fernald, Inc./31
B. Irvine, Fluor Fernald, Inc./28
R. McDonough, Fluor Fernald, Inc./80-3
T. Poff, Fluor Fernald, Inc./65-2
C. Sutton, Fluor Fernald, Inc./35
ECDC, Fluor Fernald, Inc./52-7

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STUDY/CONSENT DECREE MONTHLY REPORT JANUARY 1, 2001 THROUGH
JANUARY 31, 2001**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from January 1, 2001 through January 31, 2001. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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JANUARY 31, 2001**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

January 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Loaded 4,628 tons of material from waste pits

February 2001 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Load 8,937 tons of material from waste pits
 - Ship 120 railcars of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND EXCAVATION PROJECT

Additional OU2 soils-related activities reported under OU5/Soils Characterization and Excavation Project

January 2001

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued operation of the Bulk Debris Transfer Expansion Area
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase I
 - Submitted Area 1 Phase I Wetland Monitoring Report for the year 2000, "A1PI Wetland Mitigation Project" to DOE on January 26, 2001

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- Area 1, Phase III, Part Two
 - Completed cultural resources survey for work area access
 - Received approval of draft Certification Report Part Two from OEPA on January 4, 2001
 - Received approval of the Implementation Plan for Paddy's Run Debris Removal/Bank Stabilization and Area 1, Phase III on January 18, 2001
- Area 2, Phase I
 - Submitted Draft Certification Report for A2PI Activated Flyash Pile and Adjacent Areas East of the South Construction Road to DOE on January 26, 2001
- Area 3A Miscellaneous Stockpiles
 - OEPA approved Draft WAC Attainment Report on January 4, 2001
- Area 9, Phase I
 - OEPA approved Draft precertification Summary Report on January 2, 2001
- Ecological Research Annual Reports
 - Received approval of extension request from OEPA on January 4, 2001
 - Submitted the 2000 Ecological Research Grant Project Annual Reports to DOE on January 15, 2001

February 2001 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operate Bulk Debris Material Transfer Area expansion
 - Procure materials for the OSDF Cap #1 geosynthetic liner, drainage layer and biointrusion layer
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1 Phase III
 - Continue cultural resources survey
 - Area 2, Phase I
 - Submit Active Flyash Pile Certification Report to DOE
 - Submit Stockpile 3 Certification Report to DOE
 - Area 3A/4A
 - Submit Area 3A/4A Certified for Construction Package to DOE on February 28, 2001

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OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

January 2001

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - Continued exterior transite and structural steel removal at Plant 5A
 - Continued demolition, interior demolition, demolition of the Water Treatment Area and Old Ingot Furnace Stack and ACM removal in Plant 6 areas
 - Continued isolation activities in the General Sump area

February 2001 (Anticipated)

- Enforceable Milestones
 - None

- Major Work to be Initiated/Continued/Completed
 - Continue exterior transite and structural steel removal at Plant 5A
 - Continued demolition, interior demolition, demolition of the Water Treatment Area and Old Ingot Furnace Stack and ACM removal in Plant 6 areas
 - Continue isolation activities in the General Sump area

OPERABLE UNIT 4 - SILOS PROJECT

January 2001

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - Received conditional approval from USEPA, and comments from OEPA on the draft Final AWR Project RD package; initiated preparation of comment responses
 - Continued AWR Project construction activities:
 - Began erection of the first floor walls of the TTA Building
 - Completed RCS Air Handling Building exterior walls
 - Installed foundations for pipe racks

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February 2001 (Anticipated)

- Enforceable Milestones
 - None

- Major Work to be Initiated/Continued/Completed
 - Initiate preparation of design Criteria and Conceptual Design for Silos 1 and 2 Full Scale Remediation Facility
 - Draft Remedial Action Work Plan for Radon Control System (RCS) Phase 1 Operation

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

January 2001

- Enforceable Milestones
 - Submitted Monthly NPDES Discharge Monitoring Report, covering December 2000, to the OEPA on January 18, 2001
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

- Work Initiated/Continued/Completed
 - Submitted the November 2000 Operation Report for the Re-Injection Demonstration on January 4, 2001 to DOE for transmittal to the Agencies; DOE transmitted to the Agencies on January 10, 2001
 - Continued using a more aggressive treatment method in an attempt to mitigate plugging in the re-injection wells. Treatment of Well 10 was completed with encouraging results
 - Continued groundwater modeling in support of the Waste Storage Area Aquifer Restoration Module Design
 - Completed initial draft report for the aquifer pump test in the Pilot Plant Drainage Ditch Area.

February 2001 (Anticipated)

- Enforceable Milestones
 - Submit the NPDES Discharge Monitoring Report for the month of January to the OEPA
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

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- Work to be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Continue work on the preliminary Design of the Waste Storage Area Aquifer Restoration Module
 - Complete report for aquifer pump test in the Pilot Plant Drainage Ditch Area
 - Continue work on the groundwater section of the 2000 Integrated Site Environmental Report
 - Finalize report for the aquifer pump test in the Pilot Plant Drainage Ditch Area

WASTE MANAGEMENT

January 2001

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Began preparations for shipment of Property Chemicals
 - Began preparations for lead Acid Battery shipment
 - Develop task orders for Routine Hazardous Waste Operations
 - Liquid Mixed Waste (Bulking) Project
 - Received sample analysis for Batch 10
 - Completed Batch 10 application to TSCA
 - Completed new Task Orders for bulking of Batches 11, 12, 13 and 14
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Submitted Task Order request for NPDS thorium repack operations
 - Organic Treatment Project
 - Reviewed Department of Transportation (DOT) packaging descriptions for liquid and solid for applicability to MEF 3736
 - Thorium Legacy Waste Project (TLWP)
 - Completed two shipments of Thorium Residues, for a total of 23 of 31 shipments completed
 - Loaded one shipment of Thorium Residues for shipment
 - Initiated planning for packaging the remaining 100 boxes of thorium
 - Wastewater Treatment Project
 - Awaiting location availability to stage AWWT 1005, 1006 and 1008 containers at Plant 1 Pad
 - Staged AWWT 1003 containers at Plant 1 Pad
 - Developed and submitted AWWT 1010 campaign for Waste Characterization release, Wastewater Discharge Request approval and Chemical Compatibility approval

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- Waste Minimization/Pollution Prevention
 - Began preparations for the FY2001 Quarterly Report
 - Continued revision to the oil-recycling RFP
 - Addressed comments on Sanitary Waste Disposal and paper Recycling SOW
 - Provided guidance to Environmental Compliance regarding Affirmative Procurement NCR

February 2001 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Complete Shipping Classification & Packaging Compliance Requirements Document(SC&PCRD) for electrical waste
 - Finalize lead acid battery task order
 - Schedule Labpack shipment with Heritage
 - Liquid Mixed Waste (Bulking) Project
 - Submit completed Batch 10 application to TSCA
 - Continue bulking of Batch 11 waste into Southern Consolidation Tank
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS)
 - Working with Perma Fix to develop the necessary preparations for shipping of remaining individual pieces of Perma Fix equipment
 - Draft task order for NPDS Thorium Repack Operations
 - Organic Treatment Project
 - Continue to finalize outstanding MEF issues for First Article Testing
 - Continue finalizing absorbent determinations
 - Prepare shipping recommendation for preliminary TRB review
 - Initiate sampling and analysis request and task order for Fire Training Facility soils
 - Thorium Legacy Waste Project
 - Continue loading and shipping Thorium Residues
 - Begin startup review for processing 51 boxes of Thoria Gel
 - Continue planning for processing of remaining 100 boxes of Thorium inventory
 - Wastewater Treatment Project
 - Continue AWWT waste treatment of staging/transfer of remaining AWWT 1003 containers
 - Evaluate alternate site locations for future staging/transfer wastewater treatment operations