



Department of Energy

**Ohio Field Office
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3733

JUN 19 2001

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

DOE-0648-01

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 MAY 1, 2001
THROUGH MAY 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 May 1, 2001 through May 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 United States Environmental Protection Agency (USEPA) 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: As Stated

JUN 19 2001

Mr. James A. Saric
Mr. Tom Schneider

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DOE-0648-01

cc w/enclosure:

K. Chaney, EM-31, CLOV
N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./MS2
T. Hagen, Fluor Fernald, Inc./MS65-2
S. Hinnefeld, Fluor Fernald, Inc./MS31
B. Irvine, Fluor Fernald, Inc./MS28
R. McDonough, Fluor Fernald, Inc./MS80-3
T. Poff, Fluor Fernald, Inc./MS65-2
C. Sutton, Fluor Fernald, Inc./MS35
D. Whitaker-Sheppard, Fluor Fernald, Inc./MS31
ECDC, Fluor Fernald, Inc./MS52-7

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT MAY 1, 2001 THROUGH MAY 31, 2001**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from May 1, 2001 through May 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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OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

May 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Loaded 10,120 tons of material from waste pits
 - Shipped 125 railcars (UT37 and UT38) of material for disposal at Envirocare

June 2001 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None
- Major Work to be Initiated/Continued/Completed
 - Load 13,136 tons of material from waste pits
 - Ship 65 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**

May 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
 - Continued construction of the Cell 1 cap
 - Reviewed IT submittals in support of OSDF Phase III
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase III
 - Received final certification data and generated draft A1P3 Part 1 certification report for Agency review

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- Area 2, Phase I
 - Excavated approximately 21,000 cubic yards from SF deep excavation area to remediate above final remediation level (FRL) contamination
 - Collected precertification and certification samples in the SF deep excavation area to confirm FRL attainment for interim grading purposes
 - Submitted Integrated Remedial Design package for the A2PI perimeter to the Agencies on May 24, 2001
- Natural Resources
 - Prepared responses to USEPA and OEPA comments on Ecological Restoration
 - Initiated implementation monitoring in A1PI Wetland and A8P2 Restoration Project
 - Initiated Prairie Grass and Burrowing Mammal Research projects on OSDF Cap

June 2001 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operate Bulk Debris Material Transfer Area expansion
 - Continue construction of Cell 1 cap
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1
 - Submit draft final A1P3 Part 1 Certification Report
 - Area 2
 - Begin removal of the A2P1 seepage control station and adjacent flyash northwest of the former Inactive Flyash Pile
 - Natural Resources
 - Submit responses to comments from the Agencies on the Ecological Restoration

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

May 2001

- Enforceable Milestones
 - Submitted Pilot Plant Implementation Plan to Agencies on May 25, 2001

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- Major Work Initiated/Continued/Completed
 - Plant 5
 - Completed demobilization, no further field work is planned
 - Plant 6
 - Continued housekeeping and miscellaneous activities in Plant 6A
 - Continued shearing and demolition of equipment and hauling to washdown, interior miscellaneous demolition, interior transite removal, transite removal and below grade manual dismantlement in Area 2
 - General Sump
 - Continued isolation activities

June 2001 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Plant 5
 - No further field work is planned
 - Plant 6
 - Continue housekeeping and miscellaneous activities in Plant 6A
 - Begin penthouse demolition and interior transite removal in Area 1
 - Continue shearing and demolition of equipment and hauling to washdown, interior miscellaneous demolition, interior transite removal, interior ACM piping removal, below grade manual dismantlement and equipment removal in Area 2
 - Begin roof removal in Area 6
 - General Sump
 - Continue isolation activities

OPERABLE UNIT 4 - SILOS PROJECT

May 2001

- Enforceable Milestones
 - NOTE: USEPA approved DOE's request for extension of the May 1, 2001 milestone for submittal of the RA Work Plan for the Silo 3 Project. A milestone date of July 15, 2001 was established for the submittal of a schedule for the RA Work Plan
- Major Work Initiated/Continued/Completed
 - Presented a briefing on the Silo 3 Project Rescoping Evaluation and Recommendation at the May 12, 2001 Fernald Citizens Advisory Board (FCAB) meeting
 - Conducted a status briefing on the Silo 3, AWR, and Silos 1 and 2 Projects for the Agencies on May 23, 2001

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- Developed draft responses to OEPA comments on the RA Work plan for Radon Control System (RCS) Phase 1 Operation; DOE notified USEPA of a 20-day extension of the date for submittal of the revised draft RA Work Plan from May 31, 2001 to June 20, 2001
- Received conditional approval from OEPA on the AWR Project RD Package (Conditional approval was received from USEPA on January 9, 2001)
- Continued development of the design for Silos 1 and 2 Full Scale Remediation Facility

June 2001 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Submit revised draft RA Work Plan for the RCS Phase 1 Operation to the Agencies
 - Continue development of the design for Silos 1 and 2 Full Scale Remediation Facility

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

May 2001

- Enforceable Milestones
 - Submitted Monthly NPDES Discharge Monitoring Report, covering April 2001, to the OEPA on May 17, 2001
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
 - Submitted the NPDES Noncompliance Report for April to the OEPA on May 18, 2001
- Work Initiated/Continued/Completed
 - Submitted the March 2001 Operating Report for the Re-Injection Demonstration on May 21, 2001 to DOE for transmittal to the Agencies, transmittal was on May 29, 2001
 - Began drilling of the new extraction wells for the Waste Storage Area (WSA) and in the eastern portion of the South Field Module Area on May 23, 2001
 - Completed the ARASA Basin Reroute project on May 1, 2001
 - Completed groundwater section of the 2000 Integrated Site Environmental Report
 - Completed geoprobe sampling in support of a new South Plume monitoring well on May 22, 2001
 - Submitted Project Specific Plan(s) to DOE for transmittal to USEPA for two new extraction wells in the Waste Storage Area, on new extraction well in the eastern portion of the South Field and monitoring well being installed in the South Plume to replace Monitoring Wells 2551/3551 on May 15, 2001

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June 2001 (Anticipated)

- Enforceable Milestones
 - Submit the NPDES Discharge Monitoring Report for the Month of May to the OEPA
 - Meet 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work to be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Award construction contract for Waste Storage Area
 - Continue installation of the new extraction wells for the Waste Storage Area and South Field
 - Complete the installation of the South Plume Monitoring Well

WASTE MANAGEMENT

May 2001

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Shipped Springdale Graphics chemicals via Safety-Kleen on May 8, 2001
 - Shipped nine (9) skids of lead acid batteries to vendor on May 30, 2001
 - Inorganic Treatment Project
 - Began development of work plan for processing broken Lead Acid Batteries and elemental lead
 - Liquid Mixed Waste (Bulking) Project
 - Received TSCA approval of Batch 11 Sampling and Analysis Plan
 - Placement of consolidation tank in bulking area is being reviewed by Engineering
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Initiated Environmental ALARA, occupational ALARA, and Safety Assessment for repackaging and shipment of NPDS Thorium
 - Organic Treatment Project
 - Generated 11 drums of secondary oily waste liquids
 - Began campaigning remaining non-First Article Testing inventory
 - Thorium Legacy Waste Project (TLWP)
 - Completed one shipment of Thorium Residues, completing this activity; total of 29 of 29 shipments completed
 - Completed processing of 41 boxes (total of 50 of 51) and RTR 33 boxes (total of 33 of 51) of Thoria Gel; performed one shipment of Thoria Gel (3 of 11)
 - Removed all inventory from Building 60 (Quonset Huts) to Building 64 with the exception of one 5-gallon can

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- Wastewater Treatment Project
 - Received Waste Characterization release, approved Wastewater Discharge Request Forms and Compatibility Assessment Forms for AWWT 1003, 1005, 1006, 1008, and 1009
- Waste Minimization/Pollution Prevention
 - Continued revision of Oil Recycling contract
 - Finalized Solid Waste Disposal and Paper Recycling Statement of Work

June 2001 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Continue segregation of chemicals from Chemical management program to determine estimate of disposal costs
 - Begin preparations for Clean Side locker shipment
 - Liquid Mixed Waste (Bulking) Project
 - Await TSCA1 and State of Tennessee approval of Batch10 Issue revisions to Task orders for bulking of Batches 13 and 14 based on Waste Characterization Compatibility reviews
 - Complete and implement sampling/sample analysis activities for Batch 11
 - Complete consolidation tank location at bulking area and prepare for Batch 12 bulking activities
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS)
 - Develop container reuse evaluation program
 - Finalize ALARA reviews and Safety Analysis
 - Organic Treatment Project
 - Prepare shipping recommendation for preliminary TRB review
 - Begin overpacking of First Article Testing drums
 - Perform sampling of in-situ fire training facility soils
 - Thorium Legacy Waste Project
 - Continue planning for processing remaining 100 boxes of Thorium inventory
 - Continue processing and shipping boxes of Thoria Gel boxes
 - Remove final container from Building 60
 - Continue to move inventory from Plant 1 Pad
 - Wastewater Treatment Project
 - Continue AWWT waste treatment with staging/transfer of remaining AWWT 1003 containers, AWWT 1005, 1006 and 1008
 - Treat AWWT 1011 containers at FEMP AWWT after Waste Characterization and WWDR approval
 - Continue activities for future staging/transfer wastewater treatment operations at Building 79