



Department of Energy

**Ohio Field Office
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DEC 13 1998

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-0261-99

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 NOVEMBER 1, 1998,
THROUGH NOVEMBER 30, 1998**

This letter transmits the amended Consent Agreement Monthly Report for the period of November 1, 1998, through November 30, 1998. 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,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosure

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Mr. James A. Saric
Mr. Tom Schneider

cc w/enclosure:

N. Hallein, EM-42, CLOV
G. Jablonowski, USEPA-V, SRF-5J
R. Beaumier, TPSS/DERR, OEPA-Columbus
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Barker, Tetra Tech
D. Carr, FDF/52-2
T. Hagen, FDF/65-2
AR Coordinator, FDF/78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
J. Harmon, FDF/90
R. Heck, FDF/2
S. Hinnefeld, FDF/90
B. Irvine, FDF/65-2
T. Walsh, FDF/65-2
EDC, FDF/52-7

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT NOVEMBER 1 THROUGH 30, 1998,**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from November 1, 1998 through November 30, 1998. 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

November 1998

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - Review of draft RA deliverables by the Agencies continues
 - Continued construction of waste processing facility by IT Corp.
 - Continued review of IT authorization to operate documents
 - Completed rail operations training
 - Continued Rail Tender negotiations

December 1998 (Anticipated)

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - Complete review of draft RA deliverables by Agencies
 - Submit final draft RA package to Agencies
 - Continue construction of waste processing facility
 - Initiate training of FAT&LC personnel for ARASA Operations
 - Continue Rail Tender negotiations

**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**

November 1998

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Initiate and complete 1-foot protective layer for Cell 2
 - Continue placing Impacted material in Cell 1
 - SCEP
 - Initiated excavation of Active Fly Ash Piles
 - Initiated construction of Site Preparation Facilities

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December 1998 (Anticipated)

- Enforceable Milestones
 - Complete liner protection for Cell 2 by December 31, 1998
NOTE: Milestone was met on November 20, 1998 with completion of 1 foot protective layer)
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Complete 2 foot select layer in Cell 2
 - Continue placing impacted material in Cell 1
 - Continue placing impacted material in Cell 2
 - SCEP
 - Continue excavation of Active Fly Ash Piles
 - Continue construction of Site Preparation Facilities

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

November 1998

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Safe Shutdown
 - Plant 2
 - Completed holdup removal in selected areas
 - Completed isolation of electrical utilities
 - Plant 6
 - Continued holdup removal in selected areas
 - Completed isolation and draining of condensate systems
 - Completed and constructed air-lock containment to enclose chip pickling, degreasing area
 - Non-Nuclear Facilities
 - Began line draining and holdup material removal at Tank Farm
 - D & D
 - Maintenance/Tank Farm & Water Storage Tank Project
 - Began new water storage tank construction
 - Plant 5 Project
 - Conducted November pre-bid meeting and site tour with pre-qualified subcontractors
 - Completed planning and design for relocation of T-95 from plant 2/3 and Break Trailer to Plant 5
 - Began T-95 relocation activities
 - Prepared Plant 5 Complex Implementation Plan to 90% Completion

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- Building 12
 - Relocated equipment from Bldg. 12 to Bldg. 30/45
 - Review was made by FDF of subcontractor Deluge System design
- Thorium / Plant 9 Complex
 - Continued interior and exterior D&D activities
 - Completed sludge and water removal from waste water tanks
 - Complete demolition of Building 9
- Boiler Plant
 - Continued toward completion of project and demobilization of subcontractor
- Sewage Treatment Plant
 - Performed final administrative Project Closeout Activities
- Technical Services
 - Completed FEMP Closure Plan Book 8, 9, and 10
 - Completed Natural Habitat Project
 - Demolished Structure 39C, Incinerator Sprinkler Riser House
 - Assisted Soil and Water Group in completing SPR-Model Contract Crosswalk Document
 - Continued Main Electrical Redistribution Project

December 1998 (Anticipated)

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Safe Shutdown
 - Plant 2
 - Continue holdup removal in selected areas
 - Plant 6
 - Continue holdup removal in selected areas
 - Non-Nuclear Facilities
 - Complete Tank Farm Implementation Plan
 - Building 12 Relocation
 - Complete Carpenter Shop and Bldg. 30/45 renovation
 - Complete relocation of Stores to Northstar Warehouse
 - Begin installing paint booth adjacent to Bldg. 30/45
 - Begin facility shutdown activities
 - D & D
 - Maintenance/Tank Farm & Water Storage Tank Project
 - Prepare Draft Boiler Plant/Water Plant Project Completion Report for internal review
 - Complete mobilization and continue field activities for construction of new Water Storage Tank by contractor

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- Plant 5 Project
 - Submit draft Implementation Plan for Plant 5 Complex D&D for internal/DOE review
 - Continue procurement process and site tours with pre-qualified subcontractors
 - Continue relocation activities of T-95 from Plant 2/3 and Break Trailer from Boiler Plant to Plant 5
- Thorium / Plant 9 Complex
 - Initiate Thorium/Plant 9 Project Completion Report
 - Complete structural steel shearing operation on Plant 9A
 - Continue demobilization activities
- Boiler Plant
 - Begin Project Close-Out Report
- Sewage Treatment Plant
 - Complete Project Closeout Activities
- Plant 6 Complex/East Warehouse Complex
 - Continue planning of RFP package
- Technical Services
 - Complete contract for Plant 6
 - Continue Power Redistribution

OPERABLE UNIT 4 - SILOS PROJECT

November 1998

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Silos 1 & 2 Project
 - Continue Review of proposals for AWR project
 - Briefed OEPA and USEPA on status of revised Silos 1 and 2 FS/PP
 - Approved remaining vendor QA/QC plans and work plans for Proof of Principle testing. Tentatively scheduled 72-hour demonstrations tests for all four vendors
 - Silo 3 Project
 - Continue review of Final Technical and price proposals for Silo 3 project
 - Brief Silos Project Critical Analysis Team on FDF review of Final Technical and Price Proposals for Silo 3

December 1998 (Anticipated)

- Enforceable Milestones
 - None

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- Major Work Initiated/Continued/Completed
 - Present Silos project status at Fernald Citizens Advisory Board Offsite Issues Subcommittee on December 10, 1998
 - Respond to additional OEPA comments on the design package for the Silos Infrastructure Project
 - Complete Trailer upgrade portion of Silos Infrastructure Project
 - Silos 1 & 2 Project
 - Observe 72-hour Proof of Principle demonstration tests at Vortec (vitrification-other) and EnVitCo (vitrification-joule heated) with DOE, OEPA, USEPA, and Silos CAT team personnel
 - Conduct Internal FDF review of initial sections of Silos 1 & 2 FS revision in preparation for submittal to DOE
 - Brief Silos project CAT team on review of proposals for Silos 1 and 2 AWR contract; submit Consent package to DOE
 - Silo 3 Project
 - Submit consent package for Silo 3 remediation contract to DOE

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

November 1998

- Enforceable Milestones
 - Submitted monthly NPDES Discharge monitoring Report to OEPA on November 12, 1998 covering the month of October
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Major Work Initiated/Continued/Completed
 - Submitted the Re-Injection Demonstration Operation Report for the month of September on November 9, 1998 for transmittal to the Agencies
 - The General Sump Phaseout was mobilized on November 3, 1998
 - Conducted 30% Design Review on November 10, 1998 with Lockwood Green on the AWWT Lab Extension Project
 - Continued changes to Stormwater Retention Basin System as agreed upon in meeting with OEPA

December 1998 (Anticipated)

- Enforceable Milestones
 - Submit monthly NPDES Discharge monitoring Report to the OEPA covering the month of November

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- Major Work Initiated/Continued/Completed
 - Conduct 60% Design Review with Lockwood Green on the AWWT Lab Expansion Project
 - Install Ozone Injection System at the Biosurge Lagoon

WASTE MANAGEMENT

November 1998

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Low Level Waste
 - Organic Treatment Project
 - Continued to define new inventory and quantify changes in project scope
 - Mixed Waste Shipping
 - Continue to identify sampling and container requirements for waste materials determined to be candidate for shipment and disposal (below LDR treatment standards)
 - Mixed Waste Treatment Projects
 - Liquid Mixed Waste
 - Completed bulking of RCI Solvent Extraction aqueous wastes
 - Bulked 500 gallons of oil from Plant 6 Safe Shutdown
 - Approval has been received from TSCA Incinerator and the State of Tennessee for the shipment of Batch 7 to TSCA Incinerator for treatment. Batch 8 shipment has been approved and will follow shipment of Batch 7
 - Continue to evaluate newly generated waste streams for bulking into Batch 9 and Batch 10
 - Chemical Treatment Project
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Treated a total of 429 drums in FY 98
 - Continue demobilization of equipment from Plant 6
 - Emptied concrete mix silo, and de-energized utilities to PermaFix process equipment
 - Hazardous Waste/Recycling Project
 - Donated Building 12 excess chemicals to the One Way Farm
 - Thorium Legacy Waste Stabilization Project
 - Completed "mock-up" task order
 - Obtained performance grade requirements and quality levels for HEPA system and white metal boxes
 - Completed operations drills documentation and Standard Startup Review
 - Repackaging operations of LLW for shipment are on hold pending closeout of corrective actions from Triennial Audit and DOE/HQ moratorium on shipping

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- Waste Minimization/Pollution Prevention
 - Continue to evaluate the shipment of copper motor winding containers to the East Tennessee Technology Park, Oak Ridge, TN
 - Continued to evaluate proposals for recycling rail plates, and rail spikes
 - Began inspection of 145 drums suspected to contain shredded copper
 - Investigate the potential re-use of 6000 B-25 containers currently stored at Envirocare

December 1998 (Anticipated)

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Mixed Waste Shipping
 - Continue to identify sampling and container requirements for waste materials determined to be candidate for shipment and disposal (below LDR treatment standards)
 - Mixed Waste Treatment Projects
 - Liquid mixed Waste
 - Obtained approval from TSCA Incinerator and the State of Tennessee for the shipment of Batch 7 to TSCA Incinerator for treatment. Shipment is tentatively scheduled for late December 1998, with shipment of Batch 8 to follow.
 - Continue to evaluate newly generated waste streams for bulking into Batch 9 and Batch 10
 - Chemical Treatment Project
 - Neutralization/precipitation/Deactivation/Stabilization (NPDS) Project
 - Decontaminate dismantled equipment, pack into Sea/Land containers, and complete demobilization of PermaFix equipment
 - Thorium Legacy Waste Stabilization Project
 - Finalize revisions to procedures and task order
 - Issue memorandum to Office of President, "Ready to Operate"
 - Waste Minimization/Pollution Prevention
 - Begin recycling efforts on 90 tons of scrap steel generated from size reduction of two large, non-contaminated, propane tanks.

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