



Department of Energy

**Ohio Field Office
Fernald Area Office**

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



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AUG 15 2000

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-0928-00

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 JULY 1, 2000
THROUGH JULY 31, 2000**

This letter transmits the amended Consent Agreement Monthly Report for the period July 1, 2000 through July 31, 2000. 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

Enclosures

3179

AUG 15 2000

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosures:

N. Hallein, EM-31/CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
T. Hagen, Fluor Fernald, Inc./65-2
M. Jewett, Fluor Fernald, Inc./52-2
T. Walsh, Fluor Fernald, Inc./65-2
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosures:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./2
J. Harmon, Fluor Fernald, Inc./90
S. Hinnefeld, Fluor Fernald, Inc./31
B. Irvine, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT JULY 1, 2000 THROUGH JULY 31, 2000**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from July 1, 2000 through July 31, 2000. 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

July 2000

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Processed 9,465 tons of material from waste pits for a cumulative total of 159,873 tons
 - Shipped 60 railcars (6,452 tons) of material for disposal at Envirocare for a cumulative total of 154,064 tons

August 2000 (Anticipated)

- Enforceable Milestones Expected to be Completed
 - None

- Major Work to be Initiated/Continued/Completed
 - Process 9,990 tons of material from waste pits
 - Ship 120 railcars (12,900 tons) 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

July 2000

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None

 - Soil Characterization and Excavation Project (SCEP)
 - None

- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Began construction of On Site Disposal Facility material Transfer Area bulk debris staging area
 - Continued placement of impacted material in Cells 1, 2, and 3
 - Continued preformance testing for Cell 1 clay cap material
 - Continued placement of 3 feet of select material in Cell 1
 - Began screening for Cap 1 clay material

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- Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Completed excavation of 0.4 acre area of Trap Range; certification samples taken after excavation
 - Received OEPA approval of Certified Design Letter on July 6, 2000
 - Area 2, Phase I
 - Completed currently identified excavation/hauling asbestos contaminated soil in South Field
 - Continued to excavate and haul within South Field; completed excavating Stockpile 3 and footprint
 - Completed excavating Non-impacted Stockpile 2 footprint and liner removal
 - Area 2, Phase III
 - Transmitted Draft Certification Report, Part Two to DOE on July 28, 2000
 - Other Areas/Programs
 - Transmitted response to comments on Integrated Remedial Design Report, for Area 3A/4A to DOE on July 17, 2000
 - Transmitted Final Waste Acceptance Criteria Attainment Report for 1998 through 2000 Summary (Area 7 Soils [Silos Project Area]) to DOE on July 25, 2000
 - Transmitted Draft Ecological Restoration Research Plan and Draft Fernald Site Prescribed Burn Plan (Area 8 Phase II) to DOE on July 25, 2000
 - Transmitted Project Specific plan for Supplemental Background Soil Study (A9,PI) to DOE on July 24, 2000
 - Submitted Final Traffic Impact Study of the North Entrance Road and Proposed Path Forward to DOE on July 3, 2000

August 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue laying 3 foot select material on Cap #1
 - Continue placement of impacted material in Cells 1, 2, and 3
 - Continue preformance testing for Cell 1 clay cap material
 - Continue screening for Cell 1 clay liner cap
 - Continue On Site Disposal Facility material Transfer Area expansion for bulk debris storage
 - Begin construction of Access Road around northwest corner of Cell #1

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- Soil Characterization and Excavation Project (SCEP)
 - Area 2
 - Begin excavation of impacted material around Active Flyash Pile and continue excavation of South Field
 - Area 3B/4B
 - Begin Project Specific Plan (PSP) development
 - Area 9, Phase I
 - Continue predesign investigation
 - Wetland mitigation, Phase I
 - Continue monitoring during Spring and Summer of 2000
 - Ecological Research Project
 - Continue monitoring of growth in research projects

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

July 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Continued asbestos abatement, interior transite removal and equipment removal in Plant 5 Complex
 - Continued D&D activities in the Plant 6 area
 - Continued utility relocation and internal demolition in Buildings 28A and 28B
 - Completed project activities and demobilized in area of NFS tanks
 - Continued D&D planning activities in Multi-Complex Project area

August 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - Continue interior transite removal and equipment removal and begin building release cleaning in Plant 5 Complex
 - Continue D&D activities in the Plant 6 area
 - Continue utility relocation and internal demolition in Buildings 28A and 28B; begin structural demolition of Building 28B
 - Continue D&D planning activities and support field activities in Multi-Complex Project area

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OPERABLE UNIT 4 - SILOS PROJECT

July 2000

- Enforceable Milestones
 - None

- Major Work Initiated/Continued/Completed
 - Received USEPA approval of the Record of Decision (ROD) Amendment for Silos 1 and 2 on July 13, 2000
 - Initiated site preparation construction activities for the Silo 3 Project
 - Received comments on the Silo 3 Project Remedial Design package from the Agencies
 - Continued site preparation construction activities for the Accelerated Waste Retrieval (AWR) Project; continued grading and earthwork activities and poured the foundation for the Transfer Tank Area (TTA) Building

August 2000 (Anticipated)

- Enforceable Milestones
 - None

- Major Work to be Initiated/Continued/Completed
 - Respond to Agency comments on the Remedial Design package for Silo 3 Project
 - Initiate response to comments from the Agencies on the Remedial Design package for Silos 1 and 2 Accelerated Waste Retrieval Project
 - Continue Site preparation construction activities for the Silo 3 and Silos 1 and 2 AWR Projects
 - Conduct Silos projects status briefing/issue discussion meeting the Agencies.

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

July 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report to the OEPA on July 20, 2000
 - 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
 - Completed the Hydropure Panel Replacement Project at AWWT Control Room on July 12, 2000

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August 2000 (Anticipated)

- Enforceable Milestones
 - Submit the NPDES Discharge Monitoring Report 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
 - Initiate Waste Storage Area Multiple Well Pumping Test Project
 - Initiate southern portion of ARASA Basin Reroute Project
 - Continue to perform maintenance rehabilitate on injection and extraction wells

WASTE MANAGEMENT

July 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Completed shipment of photochemicals from Springdale on July 26, 2000
 - Liquid Mixed Waste (Bulking) Project
 - Received, from TSCA Incinerator, and accepted additional tanker trailer inspection information. The State of Tennessee approved the ten day notice and proposed shipping schedule to resume shipping of Batch 9 on July 28, 2000
 - Mixed Waste Shipping
 - Continued DOT container review of radiological characterization information pertaining to 143 containers of below-LDR MW for shipment to Envirocare
 - Neutralization/precipitation/Deactivation/Stabilization Project (NPDS)
 - Initiated task orders to repackage NPDS thorium
 - Organic Treatment Project
 - Continued to review Fire Training Facility inventory for possible disposal at the OSDF
 - Thorium Legacy Waste Project (TLWP)
 - Received approval and distributed the Thorium Waste management Plan
 - Finalized the white paper "Stabilized Storage Conditions for uranium and Thorium"
 - Released one shipment of thoria gel to Nevada Test Site (NTS)
 - Moved 10 containers, including potential pyrophoric material, from Building 64 to Building 65
 - Moved 13 boxes of recharacterized thoria gel from Quonset hut to Building 64/65

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- Waste Minimization/Pollution Prevention
 - Awaiting release of the "Used Oil Recycling" RFP

August 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work to be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Schedule Ni-Cad battery and fluorescent lamp shipment
 - Liquid Mixed Waste (Bulking) Project
 - Resume Batch 9 shipments to the TSCA Incinerator
 - Continue bulking of Batch 10
 - Complete Batch 7 consolidation tank decontamination
 - Mixed Waste Shipping
 - Ship 143 candidate drums upon completion of additional sampling analysis and completion, submittal and approval of profile by Envirocare
 - Organic Treatment Project
 - Continue toward finalizing absorbent determinations
 - Initiate sampling and analysis request and task order for Fire Training Facility soils
 - Thorium Legacy Waste Project
 - Begin evaluating readiness for movement and repackaging of recharacterized thoria gel and shipment of thorium residues
 - Begin development of expression of interest for thorium treatment
 - Initiate Management Assessment for shipping of additional thorium waste