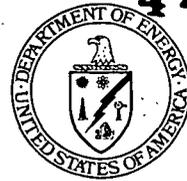




Department of Energy
Ohio Field Office
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



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AUG 14 2002

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-0652-02

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, 2002 THROUGH
JULY 31, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF AUGUST 1, 2002
THROUGH AUGUST 31, 2002**

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 July 1, 2002 through July 31, 2002, including anticipated work for the period of August 1, 2002 through August 31, 2002. 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,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosures: As Stated

AUG 14 2002

DOE-0652-02

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosures:

N. Hallein, EM-42, CLOV
G. Jablonowski, USEPA-V, SRF-5J
V. Dastillung, FRESH
P. Dunn, FRESH
D. Sarno, FCAB
M. C. Wojciechowski, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

R. Greenberg, EM-31/CLOV
A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./MS2
T. Hagen, Fluor Fernald, Inc./MS9
B. Irvine, Fluor Fernald, Inc./MS65-2
T. Poff, Fluor Fernald, Inc./MS65-2
ECDC, Fluor Fernald, Inc./MS52-7

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT JULY 1, 2002 THROUGH JULY 31, 2002,
INCLUDING ANTICIPATED WORK FOR THE PERIOD OF
AUGUST 1, 2002 THROUGH AUGUST 31, 2002**

This report describes actions at the Fernald Environmental Management Project (FEMP) from July 1, 2002 through July 31, 2002 and anticipated work for the period of August 1, 2002 through August 31, 2002. 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.

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT JULY 1, 2002 THROUGH JULY 31, 2002,
INCLUDING ANTICIPATED WORK FOR THE PERIOD OF
AUGUST 1, 2002 THROUGH AUGUST 31, 2002**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

July 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Loaded 14,215 tons of material from waste pits
 - Shipped 121 railcars (UT61 and UT62) of material for disposal at Envirocare

August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Load 15,375 tons of material from waste pits
 - Ship 120 railcars (UT63 and UT64) of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND EXCAVATION PROJECT (Additional OU2 soils-related activities may be reported under OU5/Soils Characterization and Excavation Project)

July 2002

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Completed Sub-grade for Cells 4 and 5 liner
 - Continued placement of impacted materials in Cells 2 and 3
 - Continued placement of clay liner for Cells 4 and 5 (clay liner for the east half of Cells 4 and 5 has been completed)
 - Continued Borrow Area Clay Screening
 - Continued site preparation for Cells 4 and 5 liner
 - Began Cell 4 liner
 - Began Cell 5 geosynthetic liner construction
 - Began Part Two of remodeling of RIMIA for OSDF/SDFP relocation

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
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- Completed direct haul from Buildings 64 and 65
- Continued placement of lime sludge material (spent and dried) that has been mixed with soil
- Completed Contractors Laydown area
- Continued Title III and Construction Quality Control (CQC) services for OSDF Construction Borrow area

- Soil Characterization and Excavation Project (SCEP)
 - Completed Area 3B/4B/5 Title I Design
 - Continued sampling beneath Plant 6 Pad as part of 3A/4A Subsurface Predesign
 - Continued excavation of above WAC soil at Incinerator Pad (10D)
 - Continued Direct Push Aquifer sampling
 - Continued sampling of the Pit 4 cap material in Waste Pits area
 - Continued Concrete Breaking/Crushing in Areas 3A and 4A
 - Continued site preparation work in Areas 3A and 4A
 - Continued design for Northern Pines Restoration
 - Continued Area 6 (Solid Waste Landfill and Fire Training Facility) Title II Design
 - Continued restoration work in Southern Waste Units
 - Continued Lime Sludge Ponds excavation
 - Completed excavation of the Silos Project Warehouse Footprint
 - Began excavation of the Silos Project Treatment Facility Footprint
 - Continued maintenance of the Organic Soil Stockpile
 - Completed 3-D Soil Contamination Model of Area 4B
 - Issued the Area 7 Excavation Plan, Phase I
 - Continued the excavation of K-65 Trench
 - Began Area 7, Phase I and Area 8, Phase III Pre-certification PSP
 - Completed seeding in the Northern Pines
 - Installed water control structures in Southern Waste Units
 - Continued predesign sampling of Areas 3B/4B/5 and Solid Waste Landfill

August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue Title III and CQC services for OSDF Construction Borrow area
 - Continue receiving stone for liners for Cells 4 and 5
 - Continue clay excavation/screening in Borrow Area
 - Continue part two of remodeling of RIMIA for OSDF/SDFP relocation
 - Continue placement of impacted materials in Cells 2 and 3
 - Begin modifications in Contractor's Administrative area
 - Complete placement of clay liner for Cell 4
 - Continue placement of clay liner for Cell 5
 - Continue Geosynthetics (GCL/GML) in Cells 4 and 5
 - Continue Cells 4 and 5 Geosynthetic liner construction
 - Begin placement of drainage layers in Cells 4 and 5 liner
 - Soil Characterization and Excavation Project (SCEP)
 - Continue Area 2, Phase II Title II design
 - Complete Area 3B/4B/5 Title I design
 - Continue Area 6 (Solid Waste Landfill and Fire Training Facility) Title II design
 - Continue Incinerator Pad (10D) above WAC excavation
 - Complete restoration design for Northern Pines
 - Begin excavation of southeast corner of Plant 9 above WAC area
 - Continue breaking concrete in Areas 3A and 4A
 - Continue Plant 6 sump work
 - Continue Lime Sludge Ponds excavation
 - Initiate restoration grading and stabilization in Southern Waste Units
 - Complete sampling beneath Plant 6 Pad as part of 3A/4A Excavation Control
 - Continue excavation of Area 7, Phase I
 - Begin Area 3B/4B/5 Title design
 - Complete sampling for Areas 3B/4B/5 AWAC PSP
 - Complete sampling analysis of Solid Waste Landfill and Fire Training Facility
 - Complete sampling of Quonset Hut material

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

July 2002

- Enforceable Milestones Completed
 - Completed Plant 6 Pipe Bridge Field Activities on July 30, 20002

- Work Initiated/Continued/Completed
 - Plant 2
 - Continued asbestos removal
 - Continued preparation and purge equipment and systems
 - Continued removal of Equipment
 - Sheared, sized and loaded miscellaneous debris
 - Continued shearing in Digestion area

 - General Sump
 - Sheared, sized and loaded tanks and equipment into ROBs

 - Building 53A
 - Continued building demolition activities and loading into ROBs

 - Pilot Plant
 - Continued mobilization activities including installing fencing, installing 5-plex Control Point Trailer
 - Completed installing T-131 Break Trailer
 - Began and completed demolition of Building 54B, pilot plant Shelter
 - Began demolition of 74U (Crane Rail)

 - Building 64/65
 - Completed demobilization

 - Plant 6 Pipe Bridge
 - Continued asbestos abatement and structural removal
 - Completed fieldwork

 - Facilities Shutdown
 - Continued planning to replace steam heat source for Buildings 82A, 31 and 46
 - Continued planning for excavation Area 4A Utility isolations
 - Performed the isolation of potable water line to T-94

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August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit Maintenance/Tank Farm Final project Completion Report; due August 27, 2002

- Work To Be Initiated/Continued/Completed
 - Plant 2
 - Continue asbestos removal
 - Continue preparation and purge equipment and systems
 - Continue removal of Equipment
 - Continue to shear, size and load miscellaneous debris
 - Continue shearing in Digestion area
 - Begin equipment decontamination
 - Move T-568 trailer

 - General Sump
 - Continue to shear, size and load tanks and equipment into ROBs

 - Building 53A
 - Continue and complete structural steel and concrete masonry removal

 - Pilot Plant
 - Continue mobilization activities including installing fencing, installing 5-plex control point trailer
 - Begin structural demolition of 54B PP Shelter and 74U (Crane Rail)
 - Continue structural demolition of 74U (Crane Rail)

 - Plant 4 & 5 Pipe Bridge
 - Begin asbestos abatement

 - Facilities Shutdown
 - Continue planning to replace steam heat source for Buildings 82A, 31 and 46
 - Continue Excavation Area 4A utility isolations

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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OPERABLE UNIT 4 - SILOS PROJECT

July 2002

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Submitted Silos 1 and 2 Warehouse, Remediation Facility Foundation, and Rail Spur construction information packages to the Agencies for information
 - Received disapproval of the Silo 3 Remedial Design package from USEPA; revised milestone strategy due to be submitted for agency review prior to August 15, 2002
 - Initiated Cold Loop Mockup testing of waste retrieval equipment for the AWR Project in Oak Ridge
 - Awarded design support and fabrication contracts for Silos 1 and 2 Agitator, and Clarifier System packages
 - Continued Silos 1 and 2 Accelerated Waste Retrieval (AWR) construction activity in preparation for November 1, 2002 startup of Radon Control System (RCS) Phase 1 operation
 - Began fieldwork around Silo 4 in preparation for mockup of design for opening in the side of Silo 3
 - Initiated soil excavation in the footprint for the Silos 1 and 2 Remediation Facility
 - Prepared draft revised Proposed plan (PP) for Silo 3 and issued for internal FEMP review

August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Prepare draft Explanation of Significant Differences for Silos 1 and 2
 - Submit response to USEPA disapproval of the Silo 3 RD package, including revised milestone strategy for submittal of draft PP, ROD Amendment, and draft final RD Package, for agency review; due August 15, 2002
 - Submit initial draft of revised Proposed Plan (PP) for Silo 3 to Agencies for review; due to Agency August 22, 2002
 - Submit responses to agency comments on AWR RD package to the Agencies for review

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT JULY 1, 2002 THROUGH JULY 31, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF AUGUST 1, 2002 THROUGH AUGUST 31,2002

- Demonstrate mockup testing of AWR Project waste retrieval equipment for the Agencies, Critical Analysis Team (CAT), and Defense Nuclear Facility Safety Board (DNFSB) at the Cold Test Loop facility in Oak Ridge, Tennessee
- Continue Silos 1 and 2 Accelerated Waste Retrieval (AWR) construction activity in preparation for November 1, 2002 startup of Radon Control System (RCS) Phase I operation
- Continue fieldwork around Silo 4 in preparation for mockup of design for opening in the side of Silo 3; prepare final design/construction packages for Silo 3 remediation facility
- Continue soil excavation in the footprint for the Silos 1 and 2 Remediation Facility; award contract for Remediation Facility Concrete Mat Foundation

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

July 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for June 2002 to Ohio EPA on July 18, 2002
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Awarded three Replacement Injection Wells Projects to DeBra-Kuempel on July 16, 2002; Notice to Proceed was given on July 23, 2002

August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge Monitoring Report for to Ohio EPA
 - Meet the 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
 - Place design package for the South Field, Phase II Extraction System out for 90% review
 - Continue work in progress on drilling of extraction and injection wells to support the South Field, Phase II Extraction System

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WASTE MANAGEMENT

July 2002

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Consolidated aqueous waste from AWWT Campaign

 - Hazardous Waste Project
 - Continued to work with team members for the next excess chemicals shipment to Heritage
 - Received inventory from Property for next shipment of non-hazardous chemicals to Rumpke

 - Inorganic Treatment Project (ITP)
 - Released competitive procurement package for Lead Treatment and Disposal
 - Completed mercury overpacking and shipment preparation
 - Began shipment of ITP Site Treatment Plan inventory to Waste Control Specialists (WCS)

 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Continued to wait for approval from State of Tennessee of Batch 12 application

 - Organic Treatment Project
 - Completed real-time radiography of Group B inventory

 - Sample Disposition
 - Began Real-Time Radiography (RTR) on 139 containers within inventory

August 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

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AUGUST 1, 2002 THROUGH AUGUST 31, 2002**

- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Ship excess chemicals to Heritage
 - Inorganic Treatment Project (ITP)
 - Continue ITP inventory shipments to WCS
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Await State of Tennessee approval of Batch 12 application
 - Sample Disposition
 - Work with maintenance on Request of Engineering Services (RES) for enclosure in Building 68
 - Continue RTR of the 139 containers in the Sample Disposition inventory