



Department of Energy
Ohio Field Office
Fernald Environmental Management Project
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MAR 19 2003

Mr. James A. Saric, Remedial Project Manager
 United States Environmental Protection Agency
 Region V, SR-6J
 77 West Jackson Boulevard
 Chicago, Illinois 60604-3590

DOE-0256-03

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 FEBRUARY 1, 2003
 THROUGH FEBRUARY 28, 2003, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF
 MARCH 1, 2003 THROUGH MARCH 31, 2003**

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 February 1, 2003 through February 28, 2003, including anticipated work for the period of March 1, 2003 through March 31, 2003. 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

MAR 19 2003

Mr. James A. Saric
Mr. Tom Schneider

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DOE-0256-03

cc w/enclosures:

N. Hallein, EM-31/CLOV
G. Jablonowski, USEPA-V, SR-6J
V. Dastillung, FRESH
P. Dunn, FRESH
D. Sarno, FCAB
M. Cullerton, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

R. Greenberg, EM-31/CLOV
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./MS2
T. Hagen, Fluor Fernald, Inc./MS9
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 FOR THE PERIOD OF FEBRUARY 1, 2003
THROUGH FEBRUARY 28, 2003 INCLUDING ANTICIPATED WORK FOR THE PERIOD OF
MARCH 1, 2003 THROUGH MARCH 31, 2003**

This report describes actions at the Fernald Closure Project (FCP) (formerly the Fernald Environmental Management Project (FEMP) from February 1, 2003 through February 28, 2003 and anticipated work for the period of March 1, 2003 through March 31, 2003. 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.

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

February 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Loaded 14,000 tons of material from waste pits
 - Loaded over 500,000 tons cumulatively
 - Shipped 121 railcars, 13,239 tons (UT77 and UT78) of material for disposal at Envirocare

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Load 9,922 tons of material from waste pits
 - Ship 120 railcars (UT79 and UT80) 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)

February 2003

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - None

- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Continued Title III and CQC services for OSDF Construction
 - Continued Site Prep for Cell 6 liner
 - Continued receiving Cap 2 rock and stone and inspection of GCL material

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- Completed Phase II Rail Road expansion subgrade prep
- Soils Characterization and Excavation Project (SCEP)
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued AWAC excavation in Area 3A and 4A
 - Completed AWAC, Uranium, Tc99 excavation at the Fire Training Facility
 - Continued excavation of the Fire Training Facility
 - Continued Restoration work, as weather permitted, in Southern Waste Units and Northern Pines
 - Completed removing stockpile AR6-003 from current footprint and moved it to Area 3A for eventual placement in OSDF
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Continued Pre-certification of Area 6 Phase I
 - Completed Area 7 Sector 3 Predesign Investigation
 - Continued Pre-certification of Area 8 Phase III North
 - Continued Pre-certification of Area 9 Phase II

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP)
 - Submit Area 8 Phase III CDL to EPA, March 27, 2003
- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Start Restoration of Borrow Area 1 and 2
 - Start transite placement in Cell # 4
 - Continue Site Prep for Cell 6 liner
 - Continue to receive Cap 2 rock and stone
 - Start and complete additional parking lot east of Bldg 82 and old North Entrance Road
 - Start grading top of Cap 2 for select material
 - Start contouring layer for Cap 2
 - Soils Characterization and Excavation Project (SCEP)
 - Continue concrete breaking/crushing in Area 3A and 4A
 - Continue AWAC excavation of Area 3A and Area 4A
 - Complete excavation of Fire Training Facility including staging of F-listed soil in AR6-003 footprint
 - Continue Restoration work, as weather permits, in Southern Waste Units and Northern Pines
 - Start and complete North Entrance Road removal
 - Submit final Solid Waste Landfill and Fire Training Facility IRDP
 - Submit Response to Comments Area 2 Phase II IRDP
 - Continue Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Complete Area 6 Phase I Pre-certification
 - Submit Area 6 Phase I CDL/PSP
 - Continue Area 7 Sector 3 Predesign Investigation
 - Submit Area 7 Phase I As-built Report
 - Start and complete Radium 226 hotspot in Area 8 Phase III north

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- Complete Area 8 Phase III Pre-certification
- Submit Area 8 Phase III North CDL/PSP
- Submit Final Area 9 Phase II CDL/PSP
- Start Certification sampling of Area 9 Phase II
- Start Area 2 Phase II Radium Hot Spot
- Submit IRDP Addendum for Area 4A Plant 6
- Remove soil from Silos 1,2,3 area and stockpile for cell placement

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

February 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1):
 - 2A - Equipment/system removal for all three areas; interior transite removal
 - 3D & 3J - shear tanks, equipment and structural steel.
 - 3E - On hold
 - 8A - Install lighting, seal, remove interior transite on 1st and 2nd floor, non-process equipment removal, beryllium contamination removal
 - 8G - Building vestibule and building preparations
 - General - Process Piping Inspections.
 - Lab (Task 6):
 - Building 15A - Preparation for asbestos abatement center west and south west; building preparation and maintain seal; Asbestos abatement southeast
 - Liquid Storage & Pilot Plant (Task 2/3):
 - Building 13A - Asbestos abatement, equipment/system dismantlement.
 - Building 13C - Structural demolition completed; debris removal upcoming.
 - Building 13D - Tank Farm equipment/system removal.
 - Building 20G - Building preparation and asbestos abatement
 - Building 22D - Transite removal; demolition completed 2/28/03
 - Building 37 - Size reduction and load-out of debris completed 2/12/03.
 - Building 54A - Building preparation and equipment/system dismantlement; shearing inn the autoclave area
 - Utility Redistribution/Facilities Shutdown:
 - Building 46 - Heating punch list items.
 - Continue planning utility isolations for Building 26A, Excavation areas 3B, 4B and the Administration Complex.
 - Perform 13.2 Kv system redistribution for T-57, T-58 & WPRAP.
 - Plan redistributions required for the Liquid Storage Complex.
 - Completed raw water isolation

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed

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- None
- Work To Be Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1):
 - 2A - Equipment/system removal for all three areas.
 - 3D - shear tanks, (plasma arc) equipment and structural steel.
 - 3E - On hold
 - 8A - Remove interior transite on 1st and 2nd floor, equipment removal, beryllium contamination removal
 - 8G - Non-process equipment/system removal
 - General - Process Piping Inspections
 - Night shift to start March 3.
 - Lab (Task 6):
 - Building 15A - Preparation for asbestos abatement center west; building preparation and maintain seal. Asbestos abatement southeast and southwest.
 - Liquid Storage & Pilot Plant (Task 2/3):
 - Building 13A - Asbestos abatement, equipment/system dismantlement
 - Building 54A - Equipment/system removal in the autoclave area and reactor tower area
 - Utility Redistribution/Facilities Shutdown:
 - Continue utility isolations for Excavation areas 3B and 4B
 - Perform 13.2 Kv system redistribution for T-57, T-58 & WPRAP.
 - Plan redistributions required for the Liquid Storage Complex.
 - Plan for cooling tower isolation

OPERABLE UNIT 4 - SILOS PROJECT

February 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Submitted responses to final OEPA comments on the AWR Project RD Package to the OEPA and USEPA.
 - Received and initiated responses to USEPA comments on the Silos 1 and 2 RD Package
 - Received USEPA/OEPA comments on the revised draft Revised Proposed Plan for Silo 3; initiated preparation of comment responses and draft Final PP.
 - Presented a technical briefing on the Silos 1 and 2 Remediation facility to the public 2/11/03.
 - Developed plans and schedule for further testing and continuous operation of the RCS
 - Installed the structural steel for the equipment deck above the Transfer Tank Area Tanks

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- Continued installation of the Silo 3 remediation facility, and Silo 1 and 2 Remediation Facility foundations; initiated tank fabrication for the Silos 1 and 2 Remediation facility
- Continued construction of the Silos 1 and 2 warehouse and rail spur
- Continued vendor equipment design activities for Silo 3 and Silos 1 and 2 projects

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Submit draft Final PP for Silo 3 to USEPA/OEPA for approval
 - Submit plan and schedule for testing and continuous operation of the RCS to USEPA/OEPA
 - Finalize plans for removal of the plywood protective caps above the domes of Silos 1 and 2
 - Initiate revisions of the Silo 3 RD package to incorporate vendor design details and the addition of conditioning to reduce dispersability and metals mobility
 - Continue vendor equipment design and facility construction for the Silo 3 and Silos 1 and 2 Remediation facilities.

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

February 2003

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for January to the OEPA on February 19.
 - Submitted the NPDES Noncompliance Report for January 2003 to the OEPA on February 19.
- Work Initiated/Continued/Completed
 - Continued groundwater modeling in support of determining whether additional groundwater restoration wells are required in the off-property portion of the South Plume
 - Submitted the Ohio Department of Natural Resources (ODNR) annual water withdrawal report for 2002 to ODNR on February 19.

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge Monitoring Report to the OEPA.
- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Continue construction activities for the installation of the infrastructure phase of the South Field Extraction System Phase II project.

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- Continue groundwater modeling in support of determining the need for additional groundwater restoration wells in the off-property portion of the South Plume.
- Develop the horizontal till well for Cell 6. Begin baseline sampling of this well.

WASTE MANAGEMENT

February 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - **INCINERATOR LIQUIDS**
 - Last Batch 13 sample analysis results received on 2/24. Completing Batch 13 TSCA application.
 - **SAMPLE DISPOSITION**
 - The TeeMark Crusher for processing sample containers was received and installed.
 - Completely processed 17 drums of sample containers through the AWWT facility.
 - Completed a total of 36 drums this month. A total of 338 drums remain to be processed by the SDP.
 - **ORGANIC TREATMENT PROJECT**
 - Completed packaging of 170 System Operability Testing (SOT) containers for Vacuum Thermal Desorption (VTD) treatment.
 - Completed shipment of the 170 VTD SOT shipments in February.
 - **INORGANIC TREATMENT PROJECT**
 - **SOILS, SLUDGES, DEBRIS (SSD)**
 - Received notification from Envirocare that the first, second and third treatability studies on the barium carbonate waste were not successful. Envirocare has approved the barium carbonate profile to address disposition of this waste by microencapsulation.

March 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - **INCINERATOR LIQUIDS**
 - Complete/submit TSCA Incinerator Batch 13 application.
 - **SAMPLE DISPOSITION**

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- Continue processing sample containers. Complete the training requirements on the TeeMark Crusher. Complete the Management Assessment on the TeeMark Operations.

- HAZARDOUS WASTE PROJECT
 - Escort Heritage Environmental during their packaging operation on 3/4.

- ORGANIC TREATMENT PROJECT
 - Complete profiles and delivery order for 135 of the 242 containers under the global Basic Ordering Agreement (BOA) contract. Complete work packages to process & package the 242 containers as needed for shipment. Schedule FTF soil shipments.

- INORGANIC TREATMENT PROJECT
 - MACROENCAPSULATION
 - Treatment of Envirocare lead waste has begun with disposal scheduled for April 2003.
 - SOILS, SLUDGES, DEBRIS
 - With the approval of waste disposition by microencapsulation, ship barium carbonate waste to Envirocare in early March.