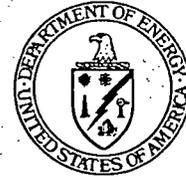




Department of Energy
Ohio Field Office
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



OCT 16 2002

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-0022-03

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 SEPTEMBER 1, 2002
THROUGH SEPTEMBER 30, 2002 AND QUARTERLY REPORT FOR THE PERIOD OF
JULY 1, 2002 THROUGH SEPTEMBER 30, 2002 INCLUDING EFFLUENT RADIATION
REPORTS, RADON REPORTS, AND REMOVAL ACTION STATUS REPORT**

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 of September 1, 2002 through September 30, 2002 and Quarterly Report for the period of July 1, 2002 through September 30, 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

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OCT 16 2002

DOE-0022-03

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosure:

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

cc w/o enclosure:

R. Greenberg, EM-31/CLOV
F. Bell, ATSDR
M. Shupe, 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
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2002 THROUGH SEPTEMBER 30, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD
OF OCTOBER 1, 2002 THROUGH OCTOBER 31, 2002, AND EFFLUENT AND RADON DATA
AND REMOVAL ACTION STATUS REPORT**

This report describes actions at the Fernald Environmental Management Project (FEMP) from July 1, 2002 through September 30, 2002 and anticipated work for the period of October 1, 2002 through October 31, 2002. The monthly and quarterly reports have 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.

The Department of Energy - Fernald, has given direction to utilize the submittal of the Quarterly integrated Environmental Monitoring Plan (IEMP) reports to satisfy the effluent radionuclide reporting requirements of the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Quarterly Report.

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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AND REMOVAL ACTION STATUS REPORT**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

July 2002

- Enforceable Milestones Completed
 - None

- Work To Be 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

- Enforceable Milestones Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Loaded 19,047 tons of material from waste pits
 - Shipped 180 railcars (UT63, UT64 and UT65) of material for disposal at Envirocare

September 2002

- Enforceable Milestones To Be Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Loaded 14,003 tons of material from waste pits
 - Shipped 120 railcars (UT66, and UT67) of material for disposal at Envirocare

October 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Load 12,467 tons of material from waste pits
 - Ship 120 railcars (UT68 and UT69) of material for disposal at Envirocare

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
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**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 To Be 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
 - 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

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- 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

- Enforceable Milestones Completed
 - None
- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued placement of impacted materials in Cells 2 and 3
 - Completed clay liner placement for the west half of Cell 4 and continued work on clay liner in west half of Cell 5
 - Continued Borrow Area Clay Screening
 - Completed Site preparation of liners for Cells 4 and 5
 - Continued Cells 4 and 5 geosynthetic liner installation
 - Continued Part 2 of remodeling of RIMIA for OSDF/SDFP relocation
 - Completed Direct Haul from Buildings 64 and 65
 - Continued placement of lime sludge material (spent and dried) that has been mixed with soil
 - Continued Title III and CQC services for OSDF Construction Borrow Area
 - Began placement of drainage layers in Cells 4 and 5 liners
 - Began modifications in contractor's administrative area
 - Soil Characterization and Excavation Project (SCEP)
 - 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

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF SEPTEMBER 1, 2002 THROUGH SEPTEMBER 30, 2002 AND QUARTERLY REPORT FOR THE PERIOD OF JULY 1, 2002 THROUGH SEPTEMBER 30, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF OCTOBER 1, 2002 THROUGH OCTOBER 31, 2002, AND EFFLUENT AND RADON DATA AND REMOVAL ACTION STATUS REPORT

- Continued sampling of the Pit 4 Cap material in Waste Pits area
- Continued Concrete Crushing/Breaking in Areas 3A and 4A
- Continued design for Northern Pine restoration
- Continued Area 6 (Solid Waste Landfill and Fire Training Facility) Title II Design and submitted IRDP to Agencies
- Continued restoration work in Southern Waste Units
- Continued Lime Sludge Ponds excavation
- Began excavation of the Silos Project Treatment Facility Footprint
- Continued maintenance of Organic Soil Stockpile
- Continued the excavation of K-65 Trench
- Began Area 7, Phase I and Area 8, Phase III Pre-certification PSP
- Completed Area 3B/4B/5 Title I Design
- Continued Area 3B/4B/5 Title II Design
- Continued decontamination water sampling at Building 2/3
- Completed sampling for WAC attainment at the two soil piles south of Building 68
- Began debris removal of former Lay Down area in Area 2, Phase II
- Began excavation of southeast corner of Plant 9 above WAC area
- Began sampling Quonset Hut material

September 2002

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued placement of impacted materials in Cells 2 and 3
 - Completed clay liner in west half of Cell 5
 - Continued Borrow Area Clay Screening
 - Completed Site preparation for Cell 5 liner
 - Continued Cells 4 and 5 geosynthetic liner installation
 - Continued part 2 of remodeling of RIMIA for OSDF/SDFP relocation
 - Continued placement of lime sludge material (spent and dried) that has been mixed with soil
 - Continued Title III and CQC services for OSDF Construction Borrow Area
 - Continued placement of drainage layers in Cells 4 and 5 liners
 - Completed modifications in contractors administrative area

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF SEPTEMBER 1, 2002 THROUGH SEPTEMBER 30, 2002 AND QUARTERLY REPORT FOR THE PERIOD OF JULY 1, 2002 THROUGH SEPTEMBER 30, 2002, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF OCTOBER 1, 2002 THROUGH OCTOBER 31, 2002, AND EFFLUENT AND RADON DATA AND REMOVAL ACTION STATUS REPORT

- Soil Characterization and Excavation Project (SCEP)
 - Continued sampling beneath Plant 6 Pad as part of 3A/4A subsurface predesign
 - Continued excavation of above WAC soil at Incinerator Pad (10D)
 - Completed sampling of the Pit 4 Cap material in Waste Pits Area
 - Continued Concrete Breaking/Crushing in Areas 3A and 4A
 - Completed Area 4A energy isolation trench
 - Continued plant 6 Sump Work
 - Continued excavation of Area 4A (Plant 5)
 - Completed design for northern Pines Restoration
 - Continued restoration work in Southern Waste Units
 - Completed lime Sludge Ponds excavation
 - Completed excavation of the Silos project Treatment Facility Footprint
 - Continued maintenance of Organic Soil Stockpile
 - Continued the excavation of K-65 Trench
 - Continued Area 7, Phase I Pre-certification PSP
 - Continued Area 8, Phase III Pre-certification PSP
 - Continued predesign WAC and FRL attainment sampling for Areas 3B/4B/5
 - Completed Area 3B/4B/5 Title II IRDP and submitted to DOE and regulators
 - Completed Area 6 (Solid Waste Landfill and Fire Training Facility) Title II Design
 - Continued debris removal of former Lay Down area in Area 2, Phase II
 - Continued excavation of southeast corner of Plant 9 above WAC area
 - Completed sampling Quonset Hut material
 - Submitted Area 5 East-Field Certification Report
 - Completed sample analysis of Solid Waste Landfill and Fire Training Facility
 - Completed accelerated design for Borrow Area

October 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

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- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue Title III services and CQC Services for OSDF Construction and Borrow Areas excavation/screening
 - Complete Cell 5 Clay Liner
 - Complete clay excavation/screening in Borrow Area
 - Continue part 2 of remodeling of RIMIA for OSDF/SDFP relocation
 - Complete placement of impacted materials in Cell 2
 - Complete Geosynthics (GCL/GML) in Cells 4 and 5
 - Complete placement of drainage layers in Cells 4 and 4 liner
 - Begin 12-inch protective cover liner in Cell 4
 - Begin restoration of Borrow Area
 - Begin construction on Basin 2
 - Soil Characterization and Excavation Project (SCEP)
 - Complete Incinerator Pad (10D) above WAC excavation
 - Complete excavation of southeast corner of Plant 9 above WAC area
 - Complete breaking concrete in Areas 3A and 4A (Plant 5)
 - Continue restoration grading and stabilization in Southern Waste Units
 - Complete sampling beneath Plant 6 Pad as part of 3A/4A excavation control
 - Complete excavation of K-65 Trench
 - Continue sampling for Area 3B/4B/5 AWAC PSP
 - Initiate restoration work in Northern Pines
 - Begin Area 9, Phase II Pre-certification
 - Submit final Area 2, Phase II IRDP
 - Submit final Solid Waste Landfill and Fire Training Facility IRDP
 - Begin site preparation of Fire Training Facility
 - Begin concrete crushing in remainder of Area 4A (other than Plant 5)
 - Complete excavation of Area 4A (Plant 5)
 - Continue excavation of Area 3A
 - Begin installation of horizontal well for Cell 6
 - Continue maintenance of Organic Soil Stockpile
 - Complete Area 7, Phase I and Area 8, Phase III Pre-certification PSP
 - Continue Pre-design WAC and FRL attainment sampling for Areas 3B/4B/5

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- Complete debris removal of former Lay Down area in Area 2, Phase II
- Complete excavation of southeast corner of Plant 6 above WAC area

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

July 2002

- Enforceable Milestones Completed
 - Completed Plant 6 Pipe Bridge Field Activities on July 30, 2002
- Work To Be 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 debris 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

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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- 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

August 2002

- Enforceable Milestones Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Plant 2
 - Continued asbestos removal
 - Continued removal of equipment and systems in Extraction area
 - Continued glovebag and asbestos removal
 - Began final clean and lockdown in 2A, Denitration
 - Plant 3
 - Established building enclosure and vestibule preparation for 39A
 - Began lockdown survey and removal of exterior transite in Building 39A
 - Began T-94 breakdown and transport
 - Plant 4 & 5 Pipe Bridge & 5F
 - Continued asbestos abatement
 - General Sump
 - Continued to shear, size and load tanks and equipment
 - Completed structural demolition and debris loading of 18H
 - Building 53A
 - Completed building demolition activities on August 3, 2002
 - Completed debris loading activities on August 15, 2002
 - Pilot Plant
 - Continued general site preparation activities and installation of 5-plex control point trailer
 - Completed demolition and debris loading of 54B, Pilot Plant Shelter

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- Facilities Shutdown
 - Continued planning and procurement to replace steam heat source for Buildings 82A, 31, and 46
 - Completed all underground mechanical isolations for Area 4A with exception of two sanitary sewer lines
 - Continued underground electrical isolation work

September 2002

- Enforceable Milestones To Be Completed
 - Submitted the Plant 6 Project Completion Report to DOE on September 11, 2002
 - Submitted the Maintenance/Tank Farm Final Project Completion Report to DOE on September 17, 2002
- Work To Be Initiated/Continued/Completed
 - Plant 2
 - Continued glovebag removal, asbestos abatement and exterior transite removal and final clean/lockdown in Denitration area
 - Plant 3
 - Completed structural steel dismantlement in 39A on September 24, 2002
 - Began to shear, size and load 39A debris
 - Plant 8
 - Began building preparation, installation of lighting, sealing and asbestos abatement
 - Pilot Plant
 - Continued general site preparation activities and installation of 5-plex control point trailer
 - Continued ACM removal in 54A, Utility Room
 - Continued transite removal, release crane and transformer removal in 54A, Transformer Room
 - Plant 4 & 5 Pipe Bridge & 5F
 - Completed asbestos abatement
 - Completed pipe bridge dismantlement on September 21, 2002
 - Completed shear, size and loading on September 26, 2002

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- General Sump
 - Continued 18B asbestos glovebag removal
- Utility Redistribution/Facilities Shutdown
 - Continued procurement to replace steam heat source for Buildings 82A, 31 and 46
 - Began parking lot and Telephone Hut light re-feed
 - Completed laboratory evacuation system relocation
 - Continuing installation of Honeywell Silent knight panels
 - Continuing freon removal from Laboratory equipment
 - Continuing Lab drain trap removal

October 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit the Administration Complex Phase I Project Completion Report to DOE by October 21, 2002
- Work To Be Initiated/Continued/Completed
 - Plant 2
 - Continue glovebag removal
 - Continue final clean/lockdown and equipment/system removal
 - Begin to shear, size and load transition pipe rack
 - Plant 3
 - Continue to shear, size and load 39A debris
 - Continue asbestos abatement
 - Pilot Plant
 - Continue general site preparation activities and installation of 5-plex control point trailer
 - Continue glovebag removal of miscellaneous pipe
 - Utility Redistribution/Facilities Shutdown
 - Continue procurement to replace steam heat source for Buildings 82A, 31 and 46
 - Continue parking lot and Telephone Hut light re-feed
 - Continue freon removal from Laboratory equipment

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

July 2002

- Enforceable Milestones Completed
 - None

- Work To Be 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

- Enforceable Milestones Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Received comments from OEPA on the Silos 1 and 2 Warehouse, Remediation Facility Foundation, and Rail Spur construction information package

 - Reviewed draft responses to comments on AWR RD package with Agencies. Extended the date for submittal of the Response to Comments and draft Final RD package to September 6, 2002

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- Demonstrated mockup testing of AWR project waste retrieval equipment at the Cold Test Loop facility in Oak Ridge
- 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
- Continued fieldwork around Silo 4 in preparation for mockup of design for opening in the side of Silo 3; prepared final design/construction packages for Silo 3 remediation facility
- Continued soil excavation in the footprint for the Silos 1 and 2 Remediation Facility
- Initiated preparation of the RD package for the Silos 1 and 2 Remediation Facility
- Received technical comments from the OEPA on the Silo 3 RD package
- Submitted response to USEPA disapproval of the Silo 3 RD package, including revised milestone strategy for submittal of draft Proposed Plan, ROD Amendment, and draft final RD Package on August 15, 2002. Received approval of the proposed strategy from USEPA on August 22, 2002 establishing a milestone of August 30, 2002 for submittal of the draft revised Proposed Plan for Silo 3
- Submitted draft revised PP for Silo 3 to the Agencies on August 26, 2002

September 2002

- Enforceable Milestones To Be Completed
 - Submitted the draft Final Revised AWR Project RD Package to the Agencies September 6, 2002
- Work To Be Initiated/Continued/Completed
 - Prepared draft responses to Ohio EPA technical comments on the Silo 3 RD Package and reviewed informally with the Agencies
 - Submitted revised Remedial Action (RA) Work plan for Radon Control System (RCS) Phase I Operation on September 5, 2002
 - Construction and turnover to operations of RCS systems was completed in preparation for the November 1, 2002 initiation of RCS Phase I Operations
 - Initiated Site Preparation Construction for the Silo 3 remediation facility, including concrete removal/excavation in the interim Storage Area Pad
 - Initiated Site Preparation Construction for the Silos 1 and 2 remediation facility, including installation of sanitary, fire, and drinking water lines

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF SEPTEMBER 1, 2002
THROUGH SEPTEMBER 30, 2002 AND QUARTERLY REPORT FOR THE PERIOD OF JULY 1,
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- Received comments for Ohio EPA on the draft revised Proposed Plan for Silo 3
- Conducted a technical roundtable on the Silo 3 Project for the public

October 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Await comments from the USEPA on the draft revised Proposed Plan for Silo 3
 - Complete installation of relief valves and piping connections from Silos 1 and 2 to the Radon Control System
 - Conduct operability teasing and readiness activities in preparation for the November 1, 2002 initiation of RCS Phase I operations
 - Await final comments and/or approval of the AWR Project RD Package and RCS Phase I RA Work Plan
 - Prepare draft Explanation of Significant Differences for Silos 1 and 2
 - Continue site preparation construction for the Silo 3 and Silos 1 and 2 Remediation Facility Projects

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 To Be 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

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August 2002

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for July 2002 to Ohio EPA on August 14, 2002
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

- Work To Be Initiated/Continued/Completed
 - Completed installation of Extraction Wells 33264 (EW-30), 33265 (EW-31) and 33266 (EW-32) completed to support the South Field Phase, Phase II Extraction System
 - Resumed installation of additional South Field Monitoring Wells
 - Completed installation of the three replacement Property Boundary injection wells

September 2002

- Enforceable Milestones To Be Completed
 - Submitted monthly NPDES Discharge Monitoring Report for August to Ohio EPA on September 19, 2002
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

- Work To Be Initiated/Continued/Completed
 - Completed installation of additional South Field Monitoring Wells
 - Completed pipeline installation for 2 of 3 replacement injection wells
 - Awarded contract for construction of the infrastructure for South Field Phase II Extraction System project to Pangea Group on September 25, 2002
 - Revised Sections of the IEMP

October 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

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- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Submit revised IEMP to the Agencies for review/approval
 - Mobilize subcontractor for installing of infrastructure phase of South Field Phase II Extraction System construction
 - Complete development of additional South Field Monitoring Wells
 - Begin installing above grade infrastructure for the three replacement property boundary injection wells

WASTE MANAGEMENT

July 2002

- Enforceable Milestones Completed
 - None
- Work To Be 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

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- 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

- Enforceable Milestones Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Consolidated aqueous waste from AWWT Campaign
 - Hazardous Waste Project
 - Completed shipment of non-hazardous, non-radiologically contaminated excess solid chemicals to Rumpke
 - Completed shipment of silver recovery solution to Safety-Kleen
 - Shipped 30 containers of labpack and unused chemicals to Heritage Environmental Services
 - Inorganic Treatment Project (ITP)
 - Received approval to ship IMAC waste to Envirocare
 - Completed mercury shipment to M&EC on August 15, 2002
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Continued to await State of Tennessee Approval of Batch 12 application

September 2002

- Enforceable Milestones To Be Completed
 - Met schedule for completion of shipment for off-site treatment of mixed Waste - Inorganic Treatment Project on September 20, 2002

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- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Consolidated aqueous waste from AWWT Campaign
 - Hazardous Waste Project
 - Conducted meetings to discuss next shipment of Laboratory Waste with Heritage and ALS
 - Inorganic Treatment Project (ITP)
 - Completed lead-acid batteries/lead sharps shipment to Envirocare
 - Completed final mercury shipment to M&EC on September 3, 2002
 - Completed shipments to WCS meeting the September 20, 2002 milestone
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Received State of Tennessee approval of Batch 12 application
 - Completed Batch 12 Shipments 1 through 4 to TSCA Incinerator
 - Begin working on the bulking of Batch 13

October 2002 (Anticipated)

- Enforceable Milestones To Be Completed
 - Complete Batch 12 Shipment to TSCA Incinerator by October 31, 2002
- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project Advanced Waste Water Treatment (AWWT) Liquids
 - Continue consolidation of aqueous waste from AWWT Campaign
 - Incinerator Liquids (Liquid mixed Waste Bulking Project)
 - Complete Batch 12 shipments to TSCA Incinerator
 - Continued working toward bulking of Batch 13

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ENCLOSURES A & B

**EFFLUENT AND RADON DATA
ARE NOW REPORTED IN THE IEMP SUBMITTAL**

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ENCLOSURE C

REMOVAL ACTION STATUS REPORT

Note: All Removal Action except 3, 9, 12, 17, 26 and 27 are completed and closed. Removal Action 3, 9, 12, 17, 26 and 27 are Programmatic Removal Actions and work continues under them. All documentation for work done this quarter under these Programmatic Removal Actions is located in the Post-Rod files. Gradually work performed under these actions is being phased out and being done pursuant to appropriate Remedial Actions.

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
Extraction of Water Under FEMP Buildings AKA: Plant 6 Contaminated Perched Water	1	Closed	September 13, 1995	Pump water from extraction wells underneath Plants 2/3, 6, 8, and 9. Treat extracted water for volatile organic chemicals and uranium removal before discharge
Waste Pit Area Runoff Control	2	Closed	July 2, 1992	Collect and treat contaminated storm water run-off from the waste pit area
South Plume	3	Closed, transferred to Post-ROD	May 22, 1997	Collect and treat contaminated storm water from waste pit area, install new alternate water supply, pump an discharge groundwater from South Plume, install and operate interim Advanced Waste Water Treatment System, Conduct groundwater monitoring and institutional controls, conduct groundwater modeling and geochemical investigation
Silo 1 and 2	4	Closed	May 17, 1994	Install bentonite cap to reduce and monitor radon emissions, provide follow-on monitoring
K-65 Decant Sump Tank	5	Closed	March 5, 1993	Periodically remove liquid from K-65 decant sump tank
Waste Pit 6 - Exposed Material	6	Closed	March 25, 1992	Eliminate potential airborne contamination by resubmerging exposed pit material
Plant One Pad Continuing Release	7	Closed	February 16, 1995	Implement run-on/off control, install new pad, and upgrade existing Plant 1 Storage Pad
Inactive Flyash Piles/ South Field Area	8	Closed	December 23, 1991	Install plastic chain link barrier and post warning signs
Removal of Waste Inventory	9	Closed - Transferred to Post-ROD	May 22, 1997	Disposition of low-level waste off-site
Active Flyash Pile Controls	10	Closed	May 16, 1997	Complete interim surface stabilization and complete active Flyash pile controls
Pit 5 Experimental Treatment Facility (ETS)	11	Closed	April 22, 1992	Remove contents, structure, and filter material. Backfill and cap with clay cover
Safe Shutdown	12	Closed - Transferred to Post-ROD	May 22, 1997	Remove uranium and other material from former processing equipment and ship material and equipment off-site
Plant 1 Ore Silos	13	Closed	November 6, 1995	Dismantle fourteen ore silos and their support structures
Contaminated Soils Adjacent to Solid Waste Incinerator at the Sewage Treatment Plant	14	Closed	January 3, 1995	Isolate or remove and dispose of contaminated soils from the vicinity of the sewage treatment plant
Contaminated Soils Adjacent to Solid Waste Incinerator at the Sewage Treatment Plant	14	Closed	January 3, 1995	Isolate or remove and dispose of contaminated soils from the vicinity of the sewage treatment plant

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
Scrap Metals Pile	15	Closed	November 14, 1994	Disposition of LLW Ferrous/non-ferrous scrap metal, Containerize and dispose of scrap copper
Collect Uncontrolled Production Area Runoff - Northeast	16	Closed	May 22, 1997	Collect storm water run-off from the northeast perimeter of the former production area in the Storm Water Retention Basin
Improved Storage of Soil and Debris	17	Closed - Transferred to Post-ROD	May 22, 1997	Improve storage of existing and future generated soils and debris
Control Exposed Material in Pit 5	18	Closed	May 13, 1993	Eliminate potential airborne contamination by re-submerging exposed pit material
Plant 7 Dismantling	19	Closed	August 18, 1995	Dismantle and dispose of the Plant 7 structure
Uranyl Nitrate Neutralization Project	20	Closed	January 16, 1997	Neutralize, filter and package UNH inventory
Silo 3	21	Closed	February 24, 1993	Mitigate the potential release of hazardous waste material by covering and sealing dust collector hopper, removing dust collector, and capping and covering obvious release pathways
Waste Pit Area Containment Improvement	22	Closed	August 1, 1993	Stabilize south barrier of Pit 4; regarding drainage ditches along Pits 3, 4, 5, and 6; and resurface road between Pits 3, 4, 5, and 6
Inactive Flyash Pile	23	Closed	June 29, 1992	Conduct field investigation to identify locations requiring material removal
Pilot Plant Sump	24	Closed	January 14, 1994	Remove liquid and sludge from the sump
Nitric Acid Rail Car	25	Closed	November 12, 1993	Remove residual contents from tank car and decontaminate and dispose of tank car
Asbestos Removal	26	Closed - Transferred to Post-ROD	May 22, 1997	Mitigate the potential for contaminant and migration of asbestos fibers
Management of Contaminated Structures	27	Closed - Transferred to Post-ROD	May 22, 1997	Management of contaminated structures

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