



Department of Energy

**Ohio Field Office
Fernald Area Office
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155**



3106

JUL 14 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-0843-00

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 JUNE 1, 2000,
THROUGH JUNE 30, 2000, AND QUARTERLY REPORT FOR APRIL 1, 2000, THROUGH
JUNE 30, 2000, INCLUDING REMOVAL ACTION STATUS REPORT**

This letter transmits the amended Consent Agreement Monthly Report for the period June 1, 2000, through June 30, 2000, and Quarterly Report for the period April 1, 2000, through June 30, 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

JUL 14 2000

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Mr. James A. Saric
Mr. Tom Schneider

cc w/enclosure:

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 enclosure:

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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Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from April 1, 2000 through June 30, 2000. 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.

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OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

April 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Processed 3,407 tons of material from waste pits

May 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Processed 14,837 tons of material from waste pits, shipped 120 railcars of material for disposal at Envirocare
 - Completed Dryer Stack performance Test, May 17-18, 2000

June 2000

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Processed 11,936 tons of material from waste pits, shipped 120 railcars(12,909 tons) of material for disposal at Envirocare

July 2000 (Anticipated)

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Process 10,121 tons of material from waste pits, ship 60 railcars (6500 tons) of material for disposal at Envirocare

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**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**

April 2000

- Enforceable Milestones
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued placing impacted material in Cells 1, 2, and 3
 - Received Agency approval on Impacted Materials Placement Plan (IMPP) Addenda 2 and 3 on March 8, 2000
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Transmitted draft Certification Report to DOE on April 27, 2000
 - Area 2, Phase I
 - The Active Flyash Pile perimeter Excavation Design received OEPA approval on April 14, 2000
 - Area 2, Phase III
 - Began excavation of Radium Hot Spot
 - Other Areas
 - Submitted draft Request for Proposal (RFP) to DOE on Area 3A/4A Excavation/OSDF Phase III construction on April 17, 2000
 - Completed Waste Acceptance Criteria (WAC) determinations supporting OU4 Project
 - Continued planting large trees in A8, PII Restoration
 - Wetland Mitigation - Phase I
 - Continued monitoring of wetlands
 - Conservation Area OU4 Supplemental Environmental Project
 - Sent request to the Agencies requesting approval of the cancellation of the project on March 6, 2000

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May 2000

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

- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued placing impacted material in Cells 1, 2, and 3
 - Completed Certified for Construction (CFC) design package for OSDF Phase III and revisions to the related OSDF Support Plans
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Transmitted Revised Certification Report to DOE on May 8, 2000
 - Stabilized remaining 4.2 cubic yards of lead contaminated soil from the Trap Range on May 22, 2000
 - Area 2, Phase I
 - Continued excavating/hauling asbestos contaminated soil in South Field
 - Area 2, Phase III
 - Completed excavation of Radium Hot Spot on May 16, 2000
 - Other Areas
 - Transmitted Draft Project Specific Plan (PSP) for Sampling Area 3A Miscellaneous Stockpiles for On-site Disposal Facility Waste Acceptance Criteria Attainment to DOE on May 23, 2000
 - Initiated remediation of Soil Stockpile 3 (SP3) on May 17, 2000, based on conditional approval of WAC Attainment Report
 - Public Use of FEMP
 - Conducted Public Workshop on May 24, 2000

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June 2000

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

- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Began placement of select impacted material in Cell 1
 - Continued placing impacted material in Cells 1,2, and 3
 - Began preformance testing for Cell 1 clay cap material
 - Made presentation to Agencies on improvements and changes to technical specifications and Support Plan

 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Revised Fernald Environmental Management Project Certified Area Map on June 19, 2000
 - Area 1 Phase III
 - Transmitted Draft Certification Design Letter and Project Specific Plan Part Two to DOE on June 26, 2000
 - Area 2, Phase I
 - Continued excavating/hauling asbestos-contaminated soil in South Field
 - Transmitted Draft Integrated Remedial Design Package for Area 2 Phase I Non-Waste Units Carolina Area to DOE on June 22, 2000
 - Area 2, Phase II
 - Transmitted Final Report of Demonstrations of Two Geophysical Survey Techniques to DOE on June 22, 2000
 - Transmitted Final Stockpile 3 Waste Acceptance Criteria Report to DOE on June 1, 2000
 - Area 2, Phase III
 - Transmitted Final Certification Design Letter for Revised Project Specific Plan, Part Two Certification Sampling to DOE on June 2, 2000

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July 2000 (Anticipated)

- Enforceable Milestones
 - None

- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue placement of select impacted material in Cell #1
 - Continue placement of impacted material in Cells 1, 2, and 3
 - Continue preformance testing for Cell 1 clay cap material
 - Begin screening for Cell 1 clay liner cap
 - Begin On Site Disposal Facility Material Transfer Area expansion for bulk debris storage

 - Soil Characterization and Excavation Project (SCEP)
 - Area 1 Phase II
 - Trap Range
 - Excavate remaining 0.4 acre of impacted material and prepare for certification
 - Area 2, Phase III
 - Complete Stockpile 3 excavation
 - Area 2, Phase I
 - Continue excavation/hauling impacted material
 - Area 9 Phase I
 - Continue predesign investigation
 - Ecological Research Projects
 - Continue monitoring restoration research projects

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

April 2000

- Enforceable Milestones
 - Submitted Interim Project Completion Report for the Maintenance/Tank Farm D&D Project to the DOE on April 28, 2000 for submittal to the Agencies

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- Major Work Initiate/Continued/Completed
 - Continued asbestos abatement, interior transite removal in Plant 5 Complex
 - Continued D&D Activities in the Plant 6 area
 - Continued development of the Implementation Plan, RFP, and Project Specifications for the Multi-Complex D&D Project

May 2000

- Enforceable Milestones
 - None
- Major Work Initiate/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 development of the Implementation plan, RFP, and Project Specifications for the multi-Complex D&D Project
 - Removed concrete wall and installed new sidewalk near Picnic Area and relocated satellite dish from Building 28A
 - Isolated and prepared T-85 for relocation

June 2000

- Enforceable Milestones
 - None
- Major Work Initiate/Continued/Completed
 - Continued asbestos abatement, interior transite removal and equipment removal in Plant 5 Complex
 - Continued D&D activities in the Plant 6 area
 - Began utility relocation and relocated Security personnel from Buildings 28A and 28B
 - Continued directing D&D planning activities in area of Multi-Complex Projects

July 2000 (Anticipated)

- Enforceable Milestones
 - None

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- Major Work Initiate/Continued/Completed
 - Continue asbestos abatement, interior transite removal and equipment removal in Plant 5 Complex
 - Continue D&D activities in the Plant 6 area
 - Continue utility relocation in Buildings 28A and 28B
 - Continue directing D&D planning activities in multi-Complex Project area

OPERABLE UNIT 4 - SILOS PROJECT

April 2000

- Enforceable Milestones
 - None
- Major Work Initiated/Continued/Completed
 - Briefed the Nevada Test Site Citizens Advisory Board (NTSCAB) Transportation Subcommittee on the Proposed Plan for Silos 1 and 2
 - Conducted FEMP public hearing on the Revised Proposed Plan for Silos 1 and 2 on April 25, 2000
 - Revised the Silo 3 Site preparation package to incorporate USEPA and OEPA comments and re-submitted for agency approval on April 26, 2000
 - Addressed OEPA and USEPA comments on the site preparation portion of the Silos 1 and 2 Accelerated Waste Retrieval Project Remedial Design Package and submitted a stand-alone Site Preparation Package to Agencies for approval on April 5, 2000; received additional comments from Ohio EPA on April 28, 2000

May 2000

- Enforceable Milestones
 - Submitted the Remedial Design Package for the Silo 3 Project to the Agencies for review and approval on May 17, 2000, meeting the milestone date of June 1, 2000
- Major Work Initiated/Continued/Completed
 - Received Agency approval of the Site Preparation Package for the Silos 1 and 2 Accelerated Waste Retrieval (AWR) Project. Mobilized the contractor for Site Preparation Construction Activities
 - Received Agency approval of the Silo 3 Project Site Preparation Package

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- Conducted a Public hearing on the Revised Proposed Plan for Silos 1 and 2 for Nevada Test Site stakeholders
- Closed public comment period for the Revised Proposed Plan for Silos 1 and 2 on May 18, 2000; drafted the Record of Decision (ROD) Amendment and Responsiveness Summary addressing all comments

June 2000

- Enforceable Milestones
 - Submitted the draft ROD Amendment for Silos 1 and 2 to the Agencies for review and approval June 26, 2000, meeting the Amended Consent Agreement milestone date of December 29, 2000
- Major Work Initiated/Continued/Completed
 - Conducted a briefing on the Remedial Design package for the Silos 1 and 2 AWR Project for the Agencies
 - Continued site preparation construction for the AWR project; completed installation of silt fence and erosion controls and began initial grading
 - Conducted a meeting June 13, 2000 with Fluor Fernald, DOE, USEPA and OEPA to review the draft Silos 1 and 2 ROD Amendment and Responsiveness Summary

July 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work Initiated/Continues/Completed
 - Submit the Remedial Design package for the Silo 1 and 2 AWR Project to the Agencies for review and approval
 - Support the Agency review of the draft Silos 1 and 2 ROD Amendment
 - Initiate site preparation construction activities for the Silo 3 Project
 - Receive comments and/or approval of the Silo 3 Project Remedial Design Package from the Agencies
 - Continue site preparation construction activities for the AWR Project; continue grading and earthwork activities and pour the foundation for the Radon Control System (RCS) Building

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OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

April 2000

- Enforceable Milestones
 - Submitted NPDES Discharge Monitoring Report to the OEPA on April 18, 2000
 - Submitted the Non-compliance Report to the OEPA on April 17, 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
 - Submitted the November 1999 Operating Report for the Re-Injection Demonstration on April 24, 2000 to DOE for transmittal to the Agencies; DOE transmitted to the Agencies on April 26, 2000
 - Completed Advanced Wastewater Treatment Groundwater Reroute Project punch list items on April 20, 2000
 - Continued Pre-design Geoprobng in the Waste Storage Area
 - Began preparing report on the per-design activities for the Waste Storage Area and Plant 6 Area Modules

May 2000

- Enforceable Milestones
 - Submitted the April NPDES Discharge Monitoring Report to the OEPA on May 15, 2000
 - Submitted the Noncompliance Report for April to the OEPA on May 11, 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
 - Submitted the December 1999 Operating Report for the Re-Injection Demonstration on May 5, 2000 to DOE for transmittal to the Agencies; DOE transmitted to the Agencies on May 10, 2000
 - Submitted the January 2000 Operating Report for the Re-Injection Demonstration on May 30, 2000 to DOE for transmittal to the Agencies
 - Submitted the Conceptual Design Report for Aquifer Restoration in the Waste Storage Area and Plant 6 Area to DOE on May 22, 2000
 - Completed Pre-design Geoprobng in the Waste Storage Area (in support of the Conceptual Design Report)

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- Issued the Notice to Award for the OSDF Enhanced Permanent Leachage Transmission System Project on May 2, 2000 to the Staver Group. Issued the Notice to Proceed on May 8, 2000
- Completed the 90% Design Review package for the ARASA Basin Reroute Project on May 16, 2000
- Submitted two groundwater modeling reports to DOE on May 25, 2000 for
 - Great Miami River Aquifer VAM3D Flow model Re-Calibration
 - Integration of Data Fusion Modeling (DFM) with VAM3DF Contaminant Transport Code Report
- Submitted the Draft Final Re-Injection Demonstration Test Report to DOE the week of May 26, 2000 for transmittal to the Agencies and other DOE offices. DOE transmitted the report on May 30, 2000

June 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report to the OEPA on June 16, 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
 - Submitted the February 2000 Operating Report for the Re-Injection Demonstration on June 19, 2000 to DOE for transmittal to the Agencies. DOE transmitted to the Agencies on June 26, 2000
 - Submitted the March 2000 Operating Report for the Re-Injection Demonstration on June 22, 2000 to DOE for transmittal to the Agencies
 - Submitted the April 2000 Operating Report for the Re-Injection Demonstration on June 29, 2000 to DOE for transmittal to the Agencies
 - Submitted Response to OEPA Comment on the September 1999 Re-Injection Demonstration Operating Report to DOE on June 21, 2000 for transmittal to the Agencies
 - Submitted Response to OEPA Comment on the October 1999 Re-Injection Demonstration Operating Report to DOE on June 21, 2000 for transmittal to the Agencies
 - ARASA Basin Reroute Design Package was certified for construction on June 8, 2000

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July 2000 (Anticipated)

- Enforceable Milestones
 - Submit the monthly NPDES Discharge Monitoring Report for 2000 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 Initiated/Continued/Completed
 - Initiate Waste Storage Area Multiple Well pumping Test Project
 - Complete Hydropure panel Replacement Project at AWWT Control Room by July 24, 2000

WASTE MANAGEMENT

April 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project Staged
 - Completing further characterization/sampling pertaining to 27, 55-gallon containers decanted from 4 type-300 containers
 - Thorium Legacy Waste Project (TLWP)
 - Reviewed comments on the draft plan for thorium management received from the Defense Nuclear Facilities Safety Board (DNSFB)
 - Began Standard Startup Review for shipment of thoria gel; this was stopped due to issue resolution needs
 - Continuing the inventory and characterization reassessment of 18 boxes of thorium residues
 - Identified Plant 1A Slab as the location for storage of thorium, subject to walkdown by Engineering
 - Liquid Mixed Waste (Bulking) Project
 - Continued the delay of DOE tanker trailer, pending receipt of additional inspection information from TSCA Incinerator (TSCAI), regarding Batch 9, Shipment 1
 - Continued discussions between TSCAI, DOE and State of Tennessee regarding the schedule for initiation of Batch 9 shipments

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- Hazardous Waste Project
 - Shipped 11 labpack containers to Heritage Environmental Services
 - Shipped 1 container of x-ray silver solution to Safety-Kleen
 - Shipped 24 skids of lead-acid batteries to American Compressed Steel for recycling
- Mixed Waste Shipping
 - Completed sampling profiles on containers of below-LDR mixed waste for shipment to Envirocare
- Organic Treatment Project
 - Discussed the absorbent determination requirements for TOC boxes with Waste Characterization
- Waste Minimization/Pollution Prevention
 - Continued tracking of defective fax cartridges
 - Submitted Quarterly pollution Progress program Report to DOE Headquarters on April 27, 2000

May 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Wastewater Treatment Project
 - Completing further characterization/sampling pertaining to 27, 55-gallon containers decanted from 4 type-300 containers
 - Thorium Legacy Waste Project (TLWP)
 - Completed the Management Assessment and Standard Startup Review pertaining to shipping the thoria gel. No discrepancies or new issues having been identified, thoria gel shipments began on May 18, 2000. Six of the twenty-nine shipments to the Nevada Test Site are completed
 - Completed inventory and characterization reassessment for movement of 18 boxes of thorium residues
 - Performed 24 Real Time Radiographies (RTR); 17 for thoria gel and 7 for super thorium profiles residues
 - Completed RTR on 104 of 145 thoria gel boxes
 - Issued letter to OEPA regarding recharacterized thoria gel

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- Liquid Mixed Waste (Bulking) Project
 - Continued the delay of DOE tanker trailer, pending receipt of additional inspection information from TSCAI incinerator (TSCAI), regarding Batch 9
 - Continued discussions between TSCAI, DOE and State of Tennessee regarding the schedule for initiation of Batch 9 shipments
 - Transferred methanol waste to the Batch 10 consolidation tank on May 11, 2000
- Hazardous Waste Project
 - Shipped 24 skids of lead acid batteries to American Compressed Steel in Cincinnati, Ohio for recycling
 - Finalized shipping classification and packaging classification of intact fluorescent lamps and nickel-cadmium batteries
- Mixed Waste Shipping
 - Continued DOT container review of radiological characterization information pertaining to 143 containers of below-LDR mw for shipment to Envirocare
- Organic Treatment Project
 - Continued discussions regarding the absorbent determination requirements for TOC boxes with Waste Characterization
 - Compiling a package for Technical Review Board review of TOC boxes or 85-gallon drums for OTP first article waste
- Waste Minimization/Pollution Prevention
 - Received notification that Fernald and Oak Ridge won the "Closing the Circle Award" for the Copper Windings Recycling Project

June 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Reviewed turnover package for NPDS 1001 and 1002
 - Thorium Legacy Waste Project
 - Released 5 shipments of thoria gel to NTS, completing 25 of the 29 shipments
 - Completed RTR on 140 of 145 thoria gel boxes
 - Completed and made distribution, to interested parties and the DNFSB, of technical paper entitled "Stabilized Storage Conditions for uranium and Thorium"

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- Hazardous Waste Project
 - Shipped container of Medical x-ray solution for silver recycling to Safety Kleen
 - Reviewing additional Minimum Additive Waste Stabilization (MAWS) inventory for inclusion in upcoming lab pack
- Mixed Waste Shipping
 - Continued review of containers of below-LDR mixed waste for shipment to Envirocare
- Organic Treatment Project
 - Discussed current schedule for shipment, storage and treatment of First Article Testing drums
 - Reviewed Fire Training Facility inventory for possible disposal at the OSDF
 - Met with Waste Characterization to discuss absorbent determinations, profiles, and shipping configurations
 - Compiled EPA code data and inventory of project MEFs
- Liquid Mixed Waste (Bulking) Project
 - Continued to delay shipment of Batch 9 due to review of additional tanker trailer inspection information
 - Discussion continues between DOE, TSCA Incinerator and the State of Tennessee regarding initiation of Batch 9 shipments given the new incinerator operations schedule recently presented by TSCA Incinerator to the State
 - Continued to bulk Batch 10
- Waste Minimization/Pollution Prevention
 - Conducted award ceremony for Copper Windings on June 12
- Wastewater Treatment
 - Received approval for three type-300 containers and one 55-gallon container of MEF 3016 for discharge at the AWWT

July 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Thorium legacy Waste Project
 - Issue revised Thorium Management Plan
 - Complete loading and shipping of Thoria Gel
 - Begin evaluating readiness for movement and repackaging of recharacterized Thoria Gel and shipment of thorium residues

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AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT JUNE 1, 2000 THROUGH JUNE 30, 2000,
AND QUARTERLY REPORT APRIL 1, 2000 THROUGH JUNE 30, 2000, INCLUDING
REMOVAL ACTION STATUS REPORT**

- Liquid Mixed Waste (Bulking) Project
 - Resume Batch 9 shipments to the TSCA Incinerator
- Wastewater Treatment
 - Await Waste Characterization approval review for treatment in AWWT
- 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
 - Finalize outstanding MEF issued for First Article Testing
 - Prepare shipping recommendation for preliminary TRB review
 - Revise RTR report for First Article Testing
 - Initiate sampling and analysis request and task order for Fire Training Facility soils

ATTACHMENT A & B

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

ATTACHMENT 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.

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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STUDY/CONSENT DECREE MONTHLY REPORT JULY 1 THROUGH JULY 31, 1999**

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

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
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
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

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
Management of Contaminated Structures	27	Closed - Transferred to Post-ROD	May 22, 1997	Management of contaminated structures
Fire Training Facility	28	Closed	July 11, 1995	Remove, decontaminate, dispose, treat or store contaminated structures, equipment, and soil from the former Fire Training Facility
Erosion Control of Inactive Flyash Pile; AKA: Temporary Nitrate Storage Tanks	29	Closed	March 2, 1994	Mitigate the threat of erosion induced slope failure and discharge of flyash to Paddy's Run
KC2 Warehouse Well	30	Closed	May 28, 1997	Plug and Close, well plugged
South Field and Inactive Flyash Piles Seepage Control Project	31	Closed	December 6, 1995	Minimize future groundwater contamination by intercepting contaminated seeps that drain from the South Field and Inactive Flyash Pile and infiltrate to the GMA

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