



Department of Energy

**Ohio Field Office
Fernald Area Office**
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APR 18 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-0597-00

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 MARCH 1, 2000
THROUGH MARCH 31, 2000, AND QUARTERLY REPORT JANUARY 1, 2000 THROUGH
MARCH 31, 2000, INCLUDING REMOVAL ACTION STATUS REPORT**

This letter transmits the amended Consent Agreement Monthly Report for the period March 1, 2000 through March 31, 2000, and Quarterly Report for the period January 1, 2000 through March 31, 2000. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

FEMP:Reising

Johnny W. Reising
Fernald Remedial Action
Project Manager

Enclosure

2919
APR 18 2000

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
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
T. Hagen, Fluor Fernald/65-2
M. Jewett, Fluor Fernald/52-2
T. Walsh, Fluor Fernald/65-2
AR Coordinator, Fluor Fernald/78

cc w/o enclosure:

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

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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Introduction

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

January 2000

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Processed 11,563 tons of material from waste pits, shipped 60 railcars of material for disposal at Envirocare of Utah

February 2000

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Processed 9,945 tons of material from waste pits, shipped 120 railcars of material for disposal at Envirocare

March 2000

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Processed 7,430 tons of material from waste pits, shipped 60 railcars of material for disposal at Envirocare

April 2000 (Anticipated)

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Process 6,460 tons of material from waste pits, shipped 60 railcars 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**

January 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 to be in winter shutdown mode
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Received, and incorporated into Site Preparation Package drawings, the preliminary as-builts
 - Initiated testing of excavation dewatering pumps
 - Completed seeding of disturbed areas
 - Addressed contractor's punchlist items
 - Area 2, Phase I
 - Received comments and prepared comments regarding the draft summary report showing stabilization results below toxicity characteristic levels
 - Area 2, Phase II
 - Received approval for A2PII Part One/Nonwaste unit predesign
 - Began Real Time Scanning and handheld field demonstration of ground penetrating radar
 - Submitted response to USEPA comments and revised predesign project Specific plan (PSP) for A2PII Parts 2 and 3
 - Area 2, Phase III
 - Continued data validation for Part One
 - Submitted IRDP (Radium Hot Spot) for Part Two

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- Other Areas

- Submitted 90% Title I/II design on Area 3A/4A to DOE-FN
- Continued work on the construction contract for the OSDF and Area 3A/4A excavation
- Began sampling near K-65 Trench to support Lime Sludge Pond Project
- Continued Real Time scanning in A9PI

- Real Time Program

- Completed draft methods for calibration of NaI and HPGe tools on the calibration pad
- Continued construction of a calibration pad for HPGe and NaI detectors
- Continued development of methods and procedures documenting the calibration pad process
- Continued revision of the document entitled "Guidelines, Measurement Strategies, and operation Factors for the Deployment of In-Situ Gamma Spectroscopy at the Fernald Site"
- Continued to determine if there is a need for revision of the RTRAK Applicability Study to incorporate new uncertainty factors and minimum detectable concentrations based upon DOE review and comments on the document
- Continued to document calibration of a sodium iodide detection system placed on a John Deere Gator®
- Continued to calibrate RSSII (a sodium iodide detection system on a second stroller) data

- Natural Resource Restoration

- Department of Interior and Ohio Attorney General's office continued to draft settlements

- Wetland Mitigation - Phase I

- The project is complete and USEPA has approved comment responses

- Conservation Area OU4 Supplemental Environmental Project

- US Army Corp of Engineers made final offer to landowners regarding land easements, which was rejected; the project is being cancelled. A request will be sent to the Agencies requesting approval of the cancellation of the project

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT MARCH 1, 2000 THROUGH MARCH 31, 2000, AND QUARTERLY REPORT JANUARY 1, 2000 THROUGH MARCH 31, 2000, INCLUDING REMOVAL ACTION STATUS REPORT

- Ecological Research Projects
 - Initiated final Ecological Restoration Case Study by Texas Southern University
- Final Land Use
 - Continued to draft Master Plan for Public Use

February 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 to be in winter shutdown mode
 - Submitted responses to OEPA comments on Borrow Area Strategy Report
 - Completed design of impacted Access Road, access trailer area, and equipment wash facility for OSDF
 - Began revision of future OSDF Placement Scenarios based upon latest quantities and strategies
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Submitted Certification Report for West of the Old North Access Road to the Agencies for review and approval
 - Began pumping to OSDF permanent lift Station
 - Received OEPA approval of SP3 Draft Waste Acceptance Criteria Attainment Plan
 - Area 2, Phase I
 - Transmitted Precertification Project Specific Plan to the Agencies for review and approval
 - Non-Waste Unit
 - Continued electromagnetic and ground penetrating radar surveys
 - Completed real-time scanning
 - Continued pre-design sample locations

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- Area 2, Phase II
 - Received approval from the Agencies on parts 2 & 3 Pre-design PSP
- Area 2, Phase III
 - Received conditional approval from USEPA for Radium Hot Spot Integrated Remedial Design Package (IRDP) on February 2, 2000
- Other Areas
 - Continued work on the construction contract for the OSDF and Area 3A/4A excavation
 - Continued real-time scanning in A9PI
- Real Time Program
 - Fabricating sources for the calibration pad for HPGe and NaI detectors
 - Continued development of methods and procedures documenting the calibration pad process
 - Continued revision of "Guidelines, Measurement Strategies, and operational Factors for the Deployment of In-Situ Gamma Spectroscopy at the Fernald Site"
 - Continued documenting calibration of a sodium iodide detection system placed on a John Deere Gator®
- Natural Resource Restoration
 - Department of Interior and Ohio Attorney General's office continued to draft settlements
- Ecological Research Projects
 - Continued final Ecological Restoration Case Study by Texas Southern University
- Final Land Use
 - Continued to draft Master Plan for Public Use

March 2000

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

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- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Received approval from OEPA and conditional approval from USEPA on Borrow Area Strategy Report on March 5, 2000
 - OSDF resumed waste placement activities on March 8, 2000.
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Certification Report for West of the Old North Access Road approved by USEPA on March 7, 2000
 - Completed certification sampling on March 8, 2000
 - Received OEPA approval of SP3 Draft Waste Acceptance Criteria Attainment Plan and initiated sampling on March 28, 2000
 - Area 2, Phase I
 - Received approval for the Precertification Project Specific Plan from USEPA on February 25, 2000 and OEPA on March 6, 2000
 - Resumed excavation of impacted material in the South Field
 - Perimeter excavation design around Active Flyash Pile has been completed and faxed to the agencies
 - Non-Waste Unit
 - Completed analyses including; electromagnetic and ground penetrating radar surveys, real-time scanning, and pre-design sampling
 - Area 2, Phase III
 - Received approval by OEPA on Radium Hot Spot Integrated Remedial Design Package (IRDP) on March 24, 2000
 - Other Areas
 - Continued work on the construction contract for the OSDF and Area 3A/4A excavation
 - Continued real-time scanning in A9PI
 - Real Time Program
 - Fabricating sources for the calibration pad for HPGe and NaI detectors
 - Continued development of methods and procedures documenting the calibration pad process

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- Continued revision of "Guidelines, Measurement Strategies, and operational Factors for the Deployment of In-Situ Gamma Spectroscopy at the Fernald Site"
- Continued documenting calibration of a sodium iodide detection system placed on a John Deere Gator®
- Natural Resource Restoration
 - Department of Interior and Ohio Attorney General's office continued to draft settlements
- Wetland Mitigation - Phase I
 - Initiated monitoring of Wetland
- Conservation Area OU4 Supplemental Environmental Project
 - US Army Corp of Engineers made final offer to landowners regarding land easements, which was rejected; the project is being cancelled. A request was sent to the Agencies requesting approval of the cancellation of the project
- Ecological Research Projects
 - Continued final Ecological Restoration Case Study by Texas Southern University
- Final Land Use
 - Continued to draft Master Plan for Public Use

April 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continue OSDF operations
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase II
 - Complete laboratory analysis and data validation
 - Area 2, Phase I
 - Continue excavation of South Field impacted material
 - Area 2, Phase II
 - Complete brush clearing east of Impacted Material Haul Road
 - Area 2, Phase III
 - Initiate excavation of Radium Hot Spot

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- Other Areas
 - Submit draft Stockpile 1 (SP1) Waste Acceptance Criteria Attainment Plan PSP
- Real Time Program
 - Continue revision of "Guidelines, Measurement Strategies, Operational Factors for the Deployment of In-Situ Gamma Spectroscopy at the Fernald Site"
 - Submit final RSS II Calibration Report to Agencies
- Natural Resource Restoration
 - Dept. of Interior and Ohio Attorney General's office continue to draft settlements
- Wetland Mitigation - Phase I
 - Continue monitoring as weather permits
- Conservation Area OU4 Supplemental Environmental Project
 - US Army Corp of Engineers made final offer to landowners regarding land easements, which was rejected; the project is being cancelled. A request will be sent to the Agencies requesting approval of the cancellation of the project
- Ecological Research Projects
 - Continue to await draft final report from Texas Southern University
 - Begin monitoring of growth in research projects
- Final Land Use
 - Continue to draft Master Plan for Public Use

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

January 2000

- Enforceable Milestones
 - None
- Major Work Initiate/Continued/Completed
 - Continued asbestos abatement and interior transite removal in Plant 5 Complex
 - Continued initial mobilization activities in Plant 6 area

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February 2000

- Enforceable Milestones
 - None

- Major Work Initiate/Continued/Completed
 - Continued asbestos abatement, interior transite removal in Plant 5 Complex
 - Initiated D & D activities in the Plant 6 area

March 2000

- Enforceable Milestones
 - None

- 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 Implementation plans, Completion Reports, Travelers and Model Contract

April 2000 (Anticipated)

- Enforceable Milestones
 - None

- Major Work Initiate/Continued/Completed
 - Continue asbestos abatement, interior transite removal in Plant 5 Complex
 - Continue D & D activities in the Plant 6 area
 - Continue development of Implementation Plans, Completion Reports, Travelers and Model Contract

OPERABLE UNIT 4 - SILOS PROJECT

January 2000

- Enforceable Milestones
 - None

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- Major Work Initiated/Continued/Completed
 - Provided ongoing support to the Agencies during review of the draft Revised FS/PP for Silos 1 and 2
 - Submitted Remedial Design package for Silos 1 and 2 Accelerated Waste Retrieval (AWR) Project to Agencies
 - Prepared draft Commerce Business Daily (CBD) notice requesting expressions of interest in a Request for Proposal for the Silos 1 and 2 Full-scale Remediation Facility; document was provided to the Agencies and Fernald Citizens Advisory Board for informal review
 - Received informal comments from OEPA on the Site preparation package and Pre-operational Environmental Control Plan for the Silo 3 Project

February 2000

- Enforceable Milestones
 - Submit Draft FS/PP, due February 4, 2000, completed December 21, 1999
- Major Work Initiated/Continued/Completed
 - Published a Commerce Business Daily (CBD) notice requesting expressions of interest in an Request for Proposal (RFP) for the Silos 1 and 2 Full-Scale Remediation Facility
 - Prepared responses to comments from the Agencies on the draft Revised FS/PP for Silos 1 and 2, these were submitted to the Agencies on February 28, 2000
 - Conducted Agency and Stakeholder briefings on the preliminary Design for Silos 1 and 2 Accelerated Waste Retrieval (AWR) Project
 - Received comments from USEPA on the Site preparation portion of the AWR Project Remedial Design package
 - Reviewed analyses of treated waste and debris from the VitPP Waste Disposition project; provided contractor approval to dispose of treated wastes

March 2000

- Enforceable Milestones
 - Submit AWR/RD Package, due March 30, 2000, completed January 23, 2000

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- Major Work Initiated/Continued/Completed
 - Received USEPA and OEPA approval of the Revised Feasibility Study / Proposed Plan (FS/PP) for Silos 1 and 2 on March 22, 2000. Notices of Availability were published in newspapers in the vicinity of both the FEMP and the NTS announcing the availability of the FS/PP, and the schedule for the public comment period and public hearings. Copies of the documents have been placed in the FEMP and NTS public reading rooms
 - Received expressions of interest in response to CBD notice for Silos 1 and 2 Full-scale Remediation Facility
 - Submitted the Site Preparation Package for the Silo 3 Project to USEPA and OEPA for review and approval on March 2, 2000. Conducted a briefing on the package for Agency personnel March 28, 2000. OEPA provided draft comments on the package
 - Initiated internal review of the Remedial Design Package for the Silo 3 Project
 - Incorporated regulatory agency comments on the Site Preparation portion of the AWR Project Remedial Design Package. Prepared a stand-alone Site preparation package and conducted a briefing for regulatory agency personnel.

April 2000 (Anticipated)

- Enforceable Milestones
 - None
- Major Work Initiated/Continues/Completed
 - Hold FEMP public hearing on the Revised Proposed Plan for Silos 1 and 2 on April 25, 2000
 - Revise the Silo 3 Site Preparation Package to incorporate USEPA and OEPA comments
 - Finalize the Site preparation package for the Silos 1 and 2 AWR Project. Present the package to OEPA and USEPA and facilitate agency approval. Mobilize AWR contractor for Site Preparation activities (pending Agency approval)

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OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

January 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report for December 1999 to the OEPA on January 13, 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 September 1999 Operating Report for the Re-Injection Demonstration on January 13, 2000 to DOE for transmittal to the Agencies
 - Conducted 90% review of Detail Design Package of new Leachate Transmission System on January 19, 2000

February 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report for January 2000 to the OEPA on February 14, 2000
 - Submitted the Noncompliance Report for TSS Exceedance at Outfall 4001 and 4002 to the OEPA on February 14, 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 October 1999 Operating Report for the Re-Injection Demonstration on February 28, 2000 to DOE for transmittal to the Agencies
 - Completed construction and startup of the two additional extraction wells in the South Field

March 2000

- Enforceable Milestones
 - Submitted monthly NPDES Discharge Monitoring Report for February 2000 to the OEPA on March 14, 2000
 - Met 20 parts per billion (ppb) monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

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- Work Initiated/Continued/Completed
 - AWWT Groundwater Reroute project construction was completed on March 15, 2000
 - Submitted the Draft Re-Injection Demonstration Test Report to DOE for review on March 30, 2000
 - Finalized the Groundwater Remedy Performance section of the IEMP report for the Fourth Quarter of 1999
 - Completed Detail Design of New Leachate Transmission System (LTS) on March 20, 2000
 - Implemented the new NPDES permit (11000004FD), effective March 1, 2000
 - Submitted LTS Procurement package to bidders on March 24, 2000

April 2000 (Anticipated)

- Enforceable Milestones
 - Submit the monthly NPDES Discharge Monitoring Report for March 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
 - Submit the monthly Operating Report for the Re-Injection Demonstration to DOE for transmittal to the Agencies
 - Construction Subcontract bids for the new Leachate Transmission System to be received on April 26, 2000; pre-bid meeting to be conducted April 5, 2000

WASTE MANAGEMENT

January 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Staged drums of PermaFix cement in Building 30 for shipment
 - Completed shipment of excess cement drums on January 18-19, 2000

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- Thorium Legacy Waste Project (TLWP)
 - Completed procedure to clean out Building 64 Middle Bay
 - Performed tabletop review of procedure under development to move hydrogen-generating and pyrophoric thorium material and performed management assessment with regard to the procedure's applicability
 - Submitted the two procedures (above) to Nevada Test Site (NTS) for review and approval
 - Completed development of material Review checklist on the Thoria Gel
 - Completed draft report on recommendations for handling hydrogen-generating materials
 - Continue on the identification of alternative storage locations for thorium
- RCI Solvent Extraction Project
 - Continued activities for movement of OEP cooling tower from Building 80
- Liquid Mixed Waste (Bulking) Project
 - Initiated Batch 9, Shipment 1 of 5 to the TSCA Incinerator; weather has delayed the transfer of waste
- Hazardous Waste Project
 - Shipped 10 drums of bulk Waste Water Treatment chemicals to Heritage Environmental Services on January 6, 2000
 - Shipped 21 drums of bulk Waste Water Treatment chemicals to Heritage Environmental Services on January 12-13, 2000
- Mixed Waste Shipping
 - Continued review of containers of below-LDR mixed waste for shipment to Envirocare

February 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Reviewed and commented on draft of Revision 1 NPDS Thorium Profile
 - Thorium Legacy Waste Project (TLWP)
 - Presented information on the Thorium Fire to the DNFSB
 - Submitted information package to Chem-Nuclear personnel to assess and provide recommendations regarding hydrogen generating thorium handling
 - Completed recommendations pertaining to movement of hydrogen generating uranium material from Building 77 to TS-4
 - Unloaded and released trailer loaded with thoria gel

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- Received approval of the "super thorium" profile after being reviewed by NTS
- RCI Solvent Extraction Project
 - Completed the move of the OEP Cooling Tower from Building 80
- Liquid Mixed Waste (Bulking) Project
 - Transfer of waste has been delayed due to an empty DOE tanker trailer being returned to TSCA Incinerator for inspection
- Hazardous Waste Project
 - Assisted with report to OEPA for hazardous waste generation
 - Reviewed and approved Waste Control Specialists Notice of Treatment Completion and Request to Dispose of Wastes, VitPP Wasted Disposition Project
- Mixed Waste Shipping
 - Continued review of containers of below-LDR mixed waste for shipment to Envirocare
- Organic Treatment Project
 - Provided First Article Testing Inventory (Campaign 1 and 2) for completion of Waste Review checklist

March 2000

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Transferred support documentation on the thoria gel project to the Defense Nuclear Facilities Safety Board (DNFSB) and Independent Safety Review Committee (ISRC)
 - Completed draft plan, requested by DNFSB, regarding the management of the thorium inventory. The draft plan will be given to DOE and DNFSB for review and comment during April
 - Received approval of the Thoria Gel profile and management assessment completed
 - Began Standard Startup Review (SSR) for shipment of Thoria Gel on March 28, 2000
 - Completed 70 of 145 Real Time Radiography (RTR) for Thoria Gel
 - Initiated inventory and characterization reassessment of 18 boxes of thorium residues

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STUDY/CONSENT DECREE MONTHLY REPORT MARCH 1, 2000 THROUGH MARCH 31,
2000, AND QUARTERLY REPORT JANUARY 1, 2000 THROUGH MARCH 31, 2000,
INCLUDING REMOVAL ACTION STATUS REPORT**

- Hazardous Waste Project
 - Shipped two containers of photochemical waste on March 24, 2000
 - Coordinating with Property for upcoming lead acid battery shipment and revising lead-Acid Battery Technical Evaluation Standard
- Mixed Waste Shipping
 - Continued review of containers of below-LDR mixed waste for shipment to Envirocare
- Organic Treatment Project
 - Provided inventory for development of Waste Review checklist
 - Conducted discussions with Materials and Energy Corporation regarding upcoming availability to receive waste and timeframe, as well as storage issues
- Liquid Mixed Waste (Bulking) Project
 - Delayed shipment 1 (of 5), Batch 9 from TSCA Incinerator pending receipt of additional tanker trailer inspection
 - Continued discussion between TSCA Incinerator, DOE and State of Tennessee regarding the schedule for initiation of Batch 9 shipments given the new incinerator operations presented by TSCA incinerator to the State
- Waste Minimization/Pollution Prevention
 - Submitted DOE Annual Waste Generation Report to DOE Headquarters on March 10, 2000
 - Provided, to DOE, information regarding remaining copper on site for possible shipments to a reclamation/recycling facility
 - Began review/tracking of recycled fax cartridges performance
- Wastewater Treatment
 - Received approval to discharge several containers of low-level liquid at the Advanced Wastewater Treatment System (AWWT); awaiting scheduling with Warehouse and Surveillance personnel

April 2000 (Anticipated)

- Enforceable Milestones
 - None
- Work Initiated/Continued/Completed
 - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
 - Address pre-start findings from SSR prior to initiation of shipments
 - Prepare for DNFSB site visit to review path forward on thorium metal

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2000, AND QUARTERLY REPORT JANUARY 1, 2000 THROUGH MARCH 31, 2000,
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- Liquid Mixed Waste (Bulking) Project
 - Resume Batch 9 shipments to the TSCA Incinerator
 - Complete decontamination of Batch 8 and Batch 7 consolidation tanks
 - Initiate bulking of Batch 10 upon completion of Batch 8 consolidation tank decontamination
 - Initiate dismantlement of tank upon completion of Batch 7 consolidation tank decontamination
- Wastewater Treatment
 - Await approval for treatment from Waste Characterization regarding current inventory wastes waiting to be treated in the AWWT
- Waste Minimization/Pollution Prevention
 - Continue tracking of defective fax cartridges
- Hazardous Waste/Recycling
 - Complete revision to Technical Evaluation Standard for Lead-acid Batteries
 - Ship 11 drums of labpacked chemicals
- Mixed Waste Shipping
 - Continue review of containers of below-LDR mixed waste for shipment to Envirocare
- Organic Treatment Project
 - Finalize absorbent determinations

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.

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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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 and 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	14	Closed	January 3, 1995	Isolate or remove and dispose of contaminated soils from the vicinity of the sewage

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
Incinerator at the Sewage Treatment Plant				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
Management of Contaminated Structures	27	Closed - Transferred to	May 22, 1997	Management of contaminated structures

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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
		Post-ROD		
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	Minimize future groundwater contamination by intercepting contaminated seeps that drain from the South Field and Inactive Flyash Pile and infiltrate to the GMA
South Field and Inactive Flyash Piles Seepage Control Project	31	Closed	December 6, 1995	

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