



Department of Energy

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JUL 17 2001

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-0729-01

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, 2001, THROUGH JUNE 30, 2001, AND QUARTERLY REPORT FROM APRIL 1, 2001, THROUGH JUNE 30, 2001, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF JULY 1, 2001, THROUGH JULY 31, 2001, AND 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 June 1, 2001, through June 30, 2001, and Quarterly Report from April 1, 2001, through June 31, 2001, including anticipated work for the period of July 1 through July 31, 2001, and Effluent Radiation Reports, Radon Reports and the Removal Action Status Report.

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).

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DOE-0729-01

Mr. James A. Saric
Mr. Tom Schneider

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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

cc w/enclosures:

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cc w/o enclosures:

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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 April 1, 2001 through June 30, 2001. 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 2001

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Loaded 11,303 tons of material from waste pits
 - Shipped 60 railcars (UT36) of material for disposal at Envirocare

May 2001

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Loaded 10,120 tons of material from waste pits
 - Shipped 125 railcars (UT37 and UT38) of material for disposal at Envirocare

June 2001

- Enforceable Milestones Completed
 - None

- Major Work Initiated/Continued/Completed
 - Loaded 13,676 tons of material from waste pits
 - Shipped 124 railcars (UT39 and UT40) of material for disposal at Envirocare

July 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

- Major Work To Be Initiated/Continued/Completed
 - Load 10,014 tons of material from waste pits
 - Ship 65 railcars of material for disposal at Envirocare

OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND

CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT JUNE 1, 2001 THROUGH JUNE 30, 2001 AND QUARTERLY REPORT APRIL 1, 2001 THROUGH JUNE 30, 2001, INCLUDING ANTICIPATED WORK FOR THE PERIOD JULY 1 THROUGH JULY 31, 2001, AND EFFLUENT AND RADON DATA AND REMOVAL ACTION STATUS REPORT

EXCAVATION PROJECT

Additional OU2 soils-related activities reported under OU5/Soils Characterization and Excavation Project

April 2001

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued operation of the Bulk Debris Transfer Expansion Area
 - Reviewed survey data from B.L. Payne and Associates of existing conditions of Cell 1
 - Reviewed IT submittals in support of OSDF Phase III
 - Continued preparation of OSDF re-baseline
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase III
 - Completed regrading the area and collection of certification samples
 - Area 2, Phase I
 - Completed segregating Petro Stockpile
 - Dressed and reseeded the Active Flyash Pile
 - Began removal of turnaround pile
 - Area 9, Phase I
 - Received USEPA approval on April 5, 2001, of the Area 9, Phase I Certification Design Letter, Certification Sampling Project Specific Plan and Sitewide Excavation Plan Addendum
 - Natural Resources
 - Prepared the Draft Ecological Restoration Literature Compendium for the FEMP
- Received USEPA approval on April 5, 2001, of the Draft Area 8, Phase II Natural Resource Restoration Project

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- Completion and Lessons Learned Report
- Received USEPA approval of the American Chestnut Report on April 5, 2001
- Real Time Program:
 - Drafted "Warm Standby Plan" to ensure equipment maintenance during 2-year shutdown
- Prepared report for the Final Calibration of NaI In Situ Gamma Spectroscopy Systems

May 2001

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued operation of the Bulk Debris Transfer Expansion Area
 - Continued construction of the Cell 1 cap
 - IT has prepared draft submittals in support of OSDF Phase III
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase III
 - Received final certification data and generated draft A1P3 Part 1 certification report for Agency review
 - Area 2, Phase I
 - Excavated approximately 21,000 cubic yards from SF deep excavation area to remediate above final remediation level (FRL) contamination
 - Collected precertification and certification samples in the SF deep excavation area to confirm FRL attainment for interim grading purposes
 - Submitted Integrated Remedial Design package for the A2PI perimeter to the Agencies on May 24, 2001
 - Natural Resources
 - Prepared responses to USEPA and OEPA comments on Ecological Restoration
 - Initiated implementation monitoring in A1PI Wetland and A8P2 Restoration Project
 - Initiated Prairie Grass and Burrowing Mammal Research

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projects on OSDF Cap

June 2001

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Continued operation of the Bulk Debris Transfer Expansion Area
 - Continued construction of the Cell 1 cap
 - Reviewed IT submittals in support of OSDF Phase III
 - Continued construction and testing of the Enhanced Permanent Leachate Transfer System
 - Soil Characterization and Excavation Project (SCEP)
 - Area 1, Phase III
 - Submitted the draft final A1P3 Part 1 certification report to the Agencies for review
 - Area 2, Phase I
 - Removed the A2P1 seepage control station and adjacent flyash northwest of the former Inactive Flyash Pile
 - Collected samples in the NW corner of the production area to confirm OSDF WAC attainment
 - Addressing comments to the Integrated Remedial Design Package for the A2PI perimeter
 - Natural Resources
 - Continued efforts on the Prairie Grass and Burrowing Mammal Research projects for the OSDF Cap
 - Continued monitoring in the A1P1 Wetland and A8P2 Restoration Project
 - Completed minor maintenance activities in certified and restored areas
 - Collected baseline ecological data to support future monitoring of restored areas

July 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF)

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- None
- Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operate Bulk Debris Material Transfer Area expansion
 - Continue construction of Cell 1 cap
 - Continue construction and testing of the Enhanced Permanent Leachate Transfer System
 - Begin placement of impacted material in Cell 2 and 3
- Soil Characterization and Excavation Project (SCEP)
 - Area 1
 - Prepare draft final CDL change pages for certification of the OSDF Equipment Wash footprint
 - Area 2
 - Submit comment responses and finalize the Integrated Remedial Design Package for the A2P1 Perimeter Area
 - Finish removal of well house 13 and begin removal of Basin 1 and perimeter impacted materials in the Southern Waste Units
 - Natural Resources
 - Submit responses to comments from the Agencies on the Ecological Research Annual Reports
 - Continue to revise the final Natural Resource Restoration plan

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

April 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Completed punchlist items and decontaminating of construction equipment in Plant 5
 - Continued housekeeping and miscellaneous activities in Plant 6A area
 - Began shear and demolition of equipment, hauling of equipment to washdown, interior ACM piping removal and below grade demolition in Plant 6, Area 2
 - Continued Old Water Treatment Dismantlement
 - Continued ACM and Tool Room roof removal in Plant 6, Area 5
 - Continued Duct and Miscellaneous piping/conduit dismantlement, cross

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- transferratic removal of pumps/conveyor in Plant 6A, Area 7
- Continued isolation activities in the General Sump area

May 2001

- Enforceable Milestones Completed
 - Submitted Pilot Plant Implementation Plan to Agencies on May 25, 2001
- Major Work Initiated/Continued/Completed
 - Plant 5
 - Completed demobilization, no further field work is planned
 - Plant 6
 - Continued housekeeping and miscellaneous activities in Plant 6A
 - Continued shearing and demolition of equipment and hauling to washdown, interior miscellaneous demolition, interior transite removal, transite removal and below grade manual dismantlement in Area 2
- General Sump
 - Continued isolation activities

June 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Transition Work
 - Began work on pipe Bridge
 - Relocated Trailer T-130 and began modifications to T-65
 - Began bagging of Asbestos Containing Materials (ACM)
 - Plant 6
 - Area 1
 - Began penthouse demolition, internal ACM, VAT removal and interior Transite Removal
 - Area 2
 - Began to shear and demo equipment and haul to wash down
 - Began interior transite removal
 - Began below grade manual dismantlement and removal of equipment
 - Facilities Shutdown
 - Continued Plant 2/3 Construction Support
 - Began electrical planning for Building 53
 - Began removing laundry equipment for shipment to Mound

July 2001 (Anticipated)

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- Enforceable Milestones To Be Completed
 - None
- Major Work To Be Initiated/Continued/Completed
 - Transition Work
 - Continue work on pipe Bridge
 - Continue work on Trailer T-130
 - Continue glove bagging of Asbestos Containing Materials (ACM)
 - Plant 6
 - Area 1
 - Continue interior Transite Removal
 - Area 2
 - Continue interior transite removal
 - Continue below grade manual dismantlement and removal of equipment
 - Facilities Shutdown
 - Continue Plant 2/3 Construction Support
 - Continue planning for Building 53
 - Complete domestic water capping on "C" Street

OPERABLE UNIT 4 - SILOS PROJECT

April 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Received revised AWR Project Final Design documentation, addressing comments from Balance of Plant (BOP) Final Design review; reviewed revisions and final comments with FWENC
 - Submitted revisions of draft Final AWR Project Remedial Design (RD) Package, addressing USEPA and OEPA comments to the Agencies on April 5, 2001
 - Provided the Silo 3 Project Rescoping Evaluation and Recommendation to the Agencies for informal review. The document was made available for stakeholders inspection
 - Continued development of the Conceptual Design for Silos 1 and 2 Full Scale Remediation Facility
 - Received comments from OEPA on the RA Work plan for Radon Control System (RCS) Phase 1 Operation

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May 2001

- Enforceable Milestones Completed
 - NOTE: USEPA approved DOE's request for extension of the May 1, 2001 milestone for submittal of the RA Work Plan for the Silo 3 Project. A milestone date of July 15, 2001 was established for the submittal of a schedule for the RA Work Plan
- Major Work Initiated/Continued/Completed
 - Presented a briefing on the Silo 3 Project Rescoping Evaluation and Recommendation at the May 12, 2001 Fernald Citizens Advisory Board (FCAB) meeting
 - Conducted a status briefing on the Silo 3, AWR, and Silos 1 and 2 Projects for the Agencies on May 23, 2001
 - Developed draft responses to OEPA comments on the RA Work plan for Radon Control System (RCS) Phase 1 Operation; DOE notified USEPA of a 20-day extension of the date for submittal of the revised draft RA Work Plan from May 31, 2001 to June 20, 2001
 - Received conditional approval from OEPA on the AWR Project RD Package (Conditional approval was received from USEPA on January 9, 2001)
 - Continued development of the design for Silos 1 and 2 Full Scale Remediation Facility

June 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Submitted revised draft Remedial Action Work plan for Radon Control System (RCS) Phase 1 Operation to the Agencies on June 14, 2001
 - Submitted a proposed Silos project Regulatory Milestone Strategy to the Agencies on June 18, 2001. This document proposed a schedule for establishment of new regulatory milestones for the Silos 1 and 2, Silo 3 and Accelerated Waste Retrieval (AWR) projects, consistent with the revised baseline, and new execution approaches for the three projects
 - Directed Fluor Fernald to initiate conceptual design for the Silo 3 Project, based upon the results of the Silo 3 Rescoping Evaluation and Recommendation.
 - Continued development of the design for Silos 1 and 2 Full Scale Remediation

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Facility

- Fluor Fernald negotiated an agreement with Foster Wheeler Environmental Corporation (FWENC) to terminate their involvement in the AWR Project. Due Diligence reviews of the FWENC AWR design, evaluation of FWENC subcontracts, and other contract transition activities were initiated

July 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit revised Silo 3 Remedial Design Deliverables Schedule to USEPA/OEPA by July 15, 2001, as specified by the June 18, 2001 draft Silos project Regulatory Milestone Strategy
- Major Work To Be Initiated/Continued/Completed
 - Continue Due Diligence design reviews and other AWR Project contract transition activities
 - Continue conceptual design for Silo 3 and Silos 1 and 2 Projects

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

April 2001

- Enforceable Milestones Completed
 - Submitted Monthly NPDES Discharge Monitoring Report, covering March 2001, to the OEPA on April 18, 2001
 - Exceeded the OU5 limit of 20 ppb; monthly average uranium concentration was 24.3 ppb. An upset condition in AWWT Phase II lead to a high uranium discharge on April 25, 2001, resulting in the monthly average exceedance.
- Work Initiated/Continued/Completed
 - Submitted the January 2001 Operating Report for the Re-Injection Demonstration on April 17, 2001 to DOE for transmittal to the Agencies
 - Submitted the February 2001 Operating Report for the Re-Injection Demonstration on April 30, 2001 to DOE for transmittal to the Agencies
 - Submitted the First IEMP Quarterly Summary Report for 2001 to DOE on April 25, 2001, for transmittal to the Agencies
 - Submitted the Waste Storage Area and Plant 6 Area Aquifer Restoration Module Design to the Agencies on April 20, 2001
 - Continued to work on the groundwater section of the 2000 Integrated Site Environmental Report

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May 2001

- Enforceable Milestones Completed
 - Submitted Monthly NPDES Discharge Monitoring Report, covering April 2001, to the OEPA on May 17, 2001
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
 - Submitted the NPDES Noncompliance Report for April to the OEPA on May 18, 2001
- Work Initiated/Continued/Completed
 - Transmitted the March 2001 Operating Report for the Re-Injection Demonstration to the Agencies on May 29, 2001
 - Began drilling of the new extraction wells for the Waste Storage Area (WSA) and in the eastern portion of the South Field Module Area on May 23, 2001
 - Completed the ARASA Basin Reroute project on May 1, 2001
 - Completed groundwater section of the 2000 Integrated Site Environmental Report
 - Completed geoprobe sampling in support of a new South Plume monitoring well on May 22, 2001
 - Submitted Project Specific Plan(s) to DOE for transmittal to USEPA for two new extraction wells in the Waste Storage Area, on new extraction well in the eastern portion of the South Field and monitoring well being installed in the South Plume to replace Monitoring Wells 2551/3551 on May 15, 2001

June 2001

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for May to the OEPA on June 19, 2001
 - Submitted the NPDES Noncompliance Report for May to the OEPA on June 19, 2001
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Transmitted the April 2001 Operating Report for the Re-Injection Demonstration to the Agencies on June 13, 2001
 - Began work on the technical memorandum to establish baseline groundwater conditions for OSDF cells 1, 2, and 3
 - Began work on a revised treatment method to alleviate plugging in the re-injection wells (after consulting industry experts)

July 2001 (Anticipated)

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- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge monitoring Report to the OEPA covering June 2001
 - Meet the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision

- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Continue with the installation of new extraction wells in Waste Storage Area (WSA) and South Field
 - Complete the installation of the South plume monitoring Well on July 13, 2001
 - Award construction contract for Waste Storage Area Extraction System on July 2, 2001, to Fred D. DeBra Company
 - Kickoff construction of Waste Storage Area Extraction System and South Field Extraction Supplemental Well (System) on July 9, 2001
 - Install underground piping to Extraction Well #26
 - Continue work on OSDF baseline technical memorandum for groundwater (Perched and Great Miami Aquifer)

WASTE MANAGEMENT

April 2001

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Heritage picked-up chemicals for shipment
 - Staged nine skids of lead acid batteries in Building 79 for shipment to vendor
 - Ordered Clean Side Locker supplies
 - Began to prepare for shipment of chemicals from Springdale location
 - Liquid Mixed Waste (Bulking) Project
 - Submitted Batch 10 application to TSCA
 - Completed Sample Plan and Task Order for Batch 11
 - Issued Task Orders for bulking of Batches 12, 13 and 14
 - Revised Batch 12 Task Order to reflect inventory adjustment

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- Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Received comments on second draft from Thorium legacy Field operation's validation of NPDS Thorium Repack Operations
- Organic Treatment Project
 - Received notification from M&EC of their receipt of CERCLA off-site approval
 - Completed development of Task Order for decanting OTP 1001 containers
- Thorium Legacy Waste Project (TLWP)
 - Completed 4 shipments of Thorium Residues, for a total of 28 of 29 shipments
 - Completed the SSR for Thoria Gel processing
 - Completed processing of 9 boxes of Thoria Gel
- Wastewater Treatment Project
 - Staged AWWT 1003 containers at Plant 1 Pad and continue to await location availability to stage AWWT 1005, 1006, 1008, and 1009 at Plant 1 Pad
- Waste Minimization/Pollution Prevention
 - Continued working on the Rumpke Contract for solid waste
 - Continued final revisions to the Solid Waste and Paper Recycling Statement of Work

May 2001

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Shipped Springdale Graphics chemicals via Safety-Kleen on May 8, 2001
 - Shipped nine (9) skids of lead acid batteries to vendor on May 30, 2001
 - Inorganic Treatment Project
 - Began development of work plan for processing broken Lead Acid Batteries and elemental lead
 - Liquid Mixed Waste (Bulking) Project
 - Received TSCA approval of Batch 11 Sampling and Analysis Plan
 - Placement of consolidation tank in bulking area is being reviewed by Engineering
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Initiated Environmental ALARA, occupational ALARA, and Safety Assessment for repackaging and shipment of NPDS Thorium
 - Organic Treatment Project
 - Generated 11 drums of secondary oily waste liquids
 - Began campaigning remaining non-First Article Testing inventory
 - Thorium Legacy Waste Project (TLWP)
 - Completed one shipment of Thorium Residues, completing this activity; total of 29 of 29 shipments completed

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- Completed processing of 41 boxes (total of 50 of 51) and RTR 33 boxes (total of 33 of 51) of Thoria Gel; performed one shipment of Thoria Gel (3 of 11)
- Removed all inventory from Building 60 (Quonset Huts) to Building 64 with the exception of one 5-gallon can
- Waste Minimization/Pollution Prevention
 - Continued revision of Oil Recycling contract
 - Finalized Solid Waste Disposal and Paper Recycling Statement of Work

June 2001

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Continued to segregate legacy wastes in the Chemical Management Program
 - Scheduled electrical waste shipment with Recycle Lights
 - Liquid Mixed Waste (Bulking) Project
 - Received TSCA Incinerator approval of Batch 10 and submitted Batch 10 application to the State of Tennessee for approval
 - Continue review of Consolidation Tank placement in bulking area by Engineering
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Identified use of fire TOC containers providing required containers to ship NPDS thorium
 - Completed Safety Analysis revision of NPDS Thorium
- Organic Treatment Project
 - Decanted liquids from remaining 17 containers of OTP 1001; total 62 of 62
 - Generated 16 drums of secondary oily waste liquids and 1 drum of contact waste
 - Issued absorbent determinations and revised SC&PCRDs for First Article inventory
- Thorium Legacy Waste Project (TLWP)
 - Completed 7 shipments of Thoria Gel for a total of 10 of 11 completed; completed processing remaining 4 boxes
 - Removed all Thorium inventory from Building 60 (Quonset Huts)
 - Completed and approved the program Plan for management of the Thorium Legacy Waste Inventory
- Wastewater Treatment Project

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- Transferred liquids of remaining 16 AWWT 1003 containers to the FEMP AWWT for treatment on June 13, 2001
- Treated liquids of 8 AWWT 1005 containers at the AWWT
- Transferred for treatment at the AWWT liquids of 39 AWWT 1006 and 3 AWWT 1008
- Received approved Wastewater Discharge Request Forms for 2 AWWT 1011 containers
- Submitted campaign packets for Waste Characterization release for AWWT 1012, 1013 and 1014
- Waste Minimization/Pollution Prevention
 - Donated aluminum cans to Ross Middle School
 - Completed Solid Waste Disposal and paper Recycling Statement of Work
 - Began startup of Transparency Film Recycling Program

July 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Continue segregation of chemicals from Chemical management program
 - Begin packaging of ni-cad batteries and ballast for Clean Side locker shipment
 - Submit project plan for Legacy Chemicals Waste Disposition
 - Liquid Mixed Waste (Bulking) Project
 - Await State of Tennessee approval of Batch 10
 - Complete consolidation tank location of bulking area and prepare for Batch 12 bulking activities
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Finalize Environmental ALARA reviews
 - Organic Treatment Project
 - Begin overpacking of First Article Testing drums
 - Perform sampling of in-situ fire training facility soils
 - Thorium Legacy Waste Project (TLWP)
 - Initiate planning to manage a subgroup of 35 boxes of 100 boxes of thorium inventory
 - Continue shipping Thoria Gel
 - Continue moving Thorium Trash inventory from Plant 1 Pad
 - Initiate Thorium Trash Sorting operations
 - Initiate Parsec Trailer unload and sorting operations
 - Wastewater Treatment Project
 - Continue activities for future staging/transfer wastewater treatment operations

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at Building 79

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ATTACHMENTS A & B

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

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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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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

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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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REMOVAL ACTION NAME	#	STATUS	CLOSURE DATE	SCOPE
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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