



**Department of Energy**

**Ohio Field Office  
Fernald Area Office**

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**MAY 19 1997**

**DOE-0952-97**

**Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V-SRF-5J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590**

**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 - APRIL 1, 1997, THROUGH APRIL 30, 1997**

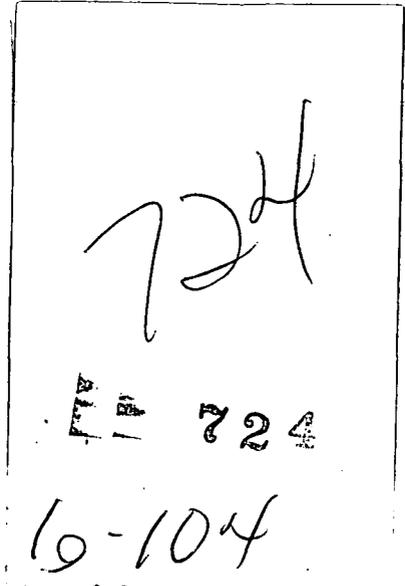
**This letter transmits the Amended Consent Agreement Monthly Report for the period of April 1, 1997, through April 30, 1997. This report provides project status information, along with emission and discharge data. The monthly report format reflects the proposal presented in the letter, DOE-0395-96, J. Reising to J. 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 regarding this report, please contact me at (513) 648-3139.**

**Sincerely,**

**Johnny W. Reising  
Fernald Remedial Action  
Project Manager**

**Enclosure: As Stated**



**cc w/enc:**

- N. Hallein, EM-42, CLOV**
- R. Beaumier, TPSS/DERR, OEPA-Columbus**
- G. Jablonowski, USEPA-V, 5HRE-8J**
- R. Geiger, PRC**
- D. Carr, FDF/9**
- T. Hagen, FDF/65-2**
- AR.Coordinator/78**

**cc w/o enc:**

- A. Tanner, DOE-FEMP**
- F. Bell, ATSDR**
- D. S. Ward, GeoTrans**
- J. Harmon, FDF/90**
- B. Irvine, FDF/65-2**
- C. Little, FDF/2**
- T. Walsh, FDF/65-2**
- EDC, FDF/52-7**

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE  
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIATION INVESTIGATION/FEASIBILITY  
STUDY/CONSENT DECREE MONTHLY REPORT APRIL 1 - 30, 1997**

**Introduction**

This report describes actions at the Fernald Environmental Management Project (FEMP) from April 1 through 30, 1997. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT APRIL 1 - 30, 1997**

**OPERABLE UNIT 1**

April 1997

- Enforceable Milestones Completed
  - None
  
- Major Work Initiated/Completed
  - Began evaluation of ARASA Proposals April 4, 1997
  - Continued north railyard construction
  - Continued modifications to Waste Pits Remedial Action Project (WPRAP) north access road
  - Continued development of the Transportation Plan
  - Continued development of specification for the procurement of 135 railcars
  - Initiated off-site trestle construction activities

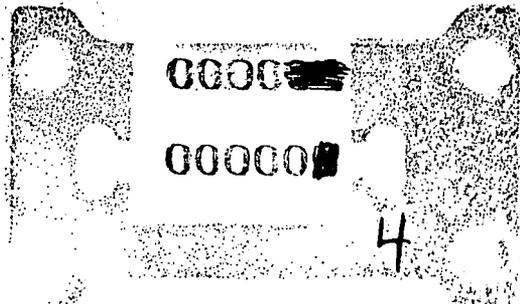
May 1997 (Anticipated)

- Enforceable Milestones
  - None
  
- Major Work to be Initiated/Completed
  - Complete evaluation of ARASA RFPs and request Best and Final Offers (BAFOs)
  - Continue north railyard construction
  - Continue modifications to WPRAP north access road
  - Continue development of the Transportation Plan, a Remedial Action Work Plan (RAWP) deliverable
  - Request bids for the procurement of 135 railcars
  - Continue off-site trestle construction activities

**OPERABLE UNIT 2**

April 1997

- Enforceable Milestones Completed
  - On-Site Disposal Facility (OSDF)
    - Milestone requiring construction of the OSDF to commence by April 30, 1997 (as found in the OU2 RAWP) was met on January 27, 1997, when Notice to Proceed was given to Village Building Services, Inc. to begin work on the OSDF Leachate Conveyance System, an integral component of the OSDF design



**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT APRIL 1 - 30, 1997**

- Soil Characterization & Excavation Project (SCEP)
  - None
- Major Work Initiated/Completed
  - OSDF
    - Telephone/electric poles were installed in preparation for relocation of the fiber optic cables which are currently buried in the path of the future OSDF Leachate Conveyance System
    - Awarded a contract to Petro Environmental Technologies, Inc., on April 3, 1997, for the construction of Phase I of the OSDF
  - SCEP
    - The site preparation procurement package for the remediation of the Southern Waste Units (Active Flyash Pile, Inactive Flyash Pile, and Southfield) has been submitted for Davis Bacon Determination
    - Continued work on the Integrated Remedial Design Package for the Operable Unit Waste Units; completion of this package is dependent on successful completion of the OU5 Area 1, Phase I Certification Report

**May 1997 (Anticipated)**

- Enforceable Milestones
  - OSDF
    - None
  - SCEP
    - None
- Major Work to be Initiated/Completed
  - OSDF
    - Begin installation of piping for the OSDF Leachate Conveyance System
  - SCEP
    - None

**OPERABLE UNIT 3**

**April 1997**

- Enforceable Milestones Completed
  - Submitted comment responses and revisions to the Thorium/Plant 9 Implementation Plan to the Agencies on April 4, 1997
- Major Work Initiated/Completed
  - Safe Shutdown
    - Continued line draining and holdup material removal in Plant 2/3
    - Continued planning for safe shutdown activities in Plants 6 and 8

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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/CONSENT DECREE MONTHLY REPORT APRIL 1 - 30, 1997**

- D&D
- Continued activities in Boiler Plant/Water Plant

**May 1997 (Anticipated)**

- **Enforceable Milestones**
  - **Submit comment responses and revisions to the Integrated Remedial Design/Remedial Action Work Plan by May 24, 1997**
- **Major Work to be Initiated/Completed**
  - **Safe Shutdown**
    - Continue line draining and holdup material removal in Plant 2/3
  - **D&D**
    - Continue activities in Boiler Plant/Water Plant
    - Issue Request for Proposal (RFP) Contract for Plant 9/Thorium Complex

**OPERABLE UNIT 4**

**April 1997**

- **Enforceable Milestones Completed**
  - None
- **Major Work Initiated/Completed**
  - Issued formal response letter to Agency comments on the Draft Final Silo 3 Alternatives Evaluation Report on April 2, 1997
  - Completed and issued the final version of the Independent Review Team (IRT) Reports on April 28, 1997
  - Issued formal response letter to comments from the Fernald Citizens Task Force (FCTF) on the Draft Final Silo 3 Alternatives Evaluation Report referenced in memorandum dated October 17, 1996, from Gene Willeke, FCTF, to Jack Craig (DOE-FN) on April 29, 1997

**May 1997 (Anticipated)**

- **Enforceable Milestones**
  - None
- **Major Work to be Initiated/Completed**
  - Attend meeting of the Waste Management Committee of the FCTF on May 7, 1997, to discuss issues associated with the Silos Project path forward
  - Attend the full FCTF meeting on May 10, 1997, to provide support and answer questions as the Task Force continues to review the Silos Project path forward
  - Conduct a public meeting on May 14, 1997, to provide support and answer questions on evaluating the best technology for stabilization/solidification of Silo 3 residues
  - The Agencies have agreed to an informal dispute resolution process of missed OU4 milestones until May 15, 1997. This will allow the Silos Project to finalize a path forward, including input from the IRT, DOE, the Agencies, and public stakeholders.

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**OPERABLE UNIT 5**

April 1997

- Enforceable Milestones Completed
  - Aquifer Restoration Project (ARP)/Advanced Waste Water Treatment (AWWT)
    - Submitted the Design, Monitoring, and Evaluation Program Plan (DMEPP) to the Agencies on March 27, 1997, meeting the actual milestone date of April 1, 1997
    - Submitted Draft Final Baseline Remedial Strategy Report to the Agencies on April 11, 1997
    - Submitted Draft Final Remedial Action Work Plan for Aquifer Restoration to the Agencies on April 11, 1997
    - Submittal of the Final Restoration Area Verification Sampling Program Project-Specific Plan to the Agencies, originally scheduled for April 29, 1997, has been deferred per verbal agreement with Jim Saric, USEPA ( no date has been assigned).
  - SCEP
    - None
  
- Major Work Initiated/Completed
  - ARP/AWWT
    - Awarded Sewage Treatment Plant Phase I contract to Diaz Incorporated On April 15, 1997
    - Submitted initial Draft South Plume Performance Monitoring and Maintenance Plan for Operable Unit 5 to DOE-FEMP on April 30, 1997
    - Continued construction of storm sewers in west parking lot in support of the Parking Lot Stormwater Runoff Diversion Project; anticipated completion date is June 24, 1997
    - Began design work on the following:
      - Sludge removal from the Storm Water Retention Basin (SWRB) and the Bionitrification Surge Lagoon (BSL)
      - Miscellaneous upgrades to the AWWT
  - SCEP
    - Continued assessment of analytical data associated with ongoing Comparability Study
    - Continued development of the Area 1, Phase I Certification Report
    - Sent collected samples from Area 1, Subareas A, B, B1, and the pump station (all OSDF support facilities) for analysis
    - Additional resources assigned to the development and redesign of the Sitewide Excavation Plan

May 1997 (Anticipated)

- Enforceable Milestones
  - ARP/AWWT
    - Submit Final Integrated Environmental Monitoring Plan (IEMP) to the Agencies on May 23, 1997
    - Submit Final OSDF Groundwater/Leak Detection and Leachate Monitoring Plan to the Agencies on May 23, 1997

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- SCEP
  - None
- Major Work to be Initiated/Completed
  - ARP/AWWT
    - Award contract for AWWT Resin Regeneration Project
  - SCEP
    - The Comparability Study will be divided into two reports. The first report will focus on the field application of High Purity Germanium detectors (HPGe). The draft report will be submitted to DOE in May. The second report will add the RTRAK Mobile Sodium Iodide System
    - All data for the Certification Report for Area 1, Phase I have been received. More than 80% of the data has been validated. The draft Certification Report will be delivered to DOE by June 1 consistent with the new schedule based on the recent milestone extension granted by U.S. EPA

**WASTE MANAGEMENT**

April 1997

- Enforceable Milestones Completed
  - None
- Major Work Initiated/Completed
  - Low Level Waste
    - Shipped 319.00 m<sup>3</sup> low level waste to Nevada Test Site (NTS)
  - Mixed Waste Treatment Projects
    - Chemical Treatment Projects
      - Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project
        - Revised Perma-Fix procedure for processing of enriched pyrophoric materials
        - Treated 109.00 m<sup>3</sup> of mixed waste
      - Completed and transmitted Work Plan for the Treatment, Storage, and Disposal Facility (TSDF) Project to DOE-FEMP
      - Initiated sampling of Thoria Gel containers from Building 60 for the Thorium Stabilization Project on April 9, 1997
      - RCI Solvent Extraction Project
        - Conducted project ribbon cutting ceremony on April 15, 1997
        - Completed Hazards and Operability Analysis (HAZOP) and submitted it to the Independent Safety Review Committee (ISRC) for review on April 28, 1997
        - Resubmitted Auditable Safety Record (ASR) and Unreviewed Safety Questions (USQs) to the ISRC for review on April 30, 1997

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May 1997 (Anticipated)

- Enforceable Milestones
  - None
- Major Work to be Initiated/Completed
  - Mixed Waste Treatment Projects
    - Chemical Treatment Projects
      - Ship Batch 7 and Batch 8 (approximately 150 drums) to the TSCA Incinerator
      - Ship silver recovery cartridges to the Safety Kleen facility in Lexington, South Carolina on May 6, 1997; note that although this activity is performed under the auspices of the Hazardous Waste Recycling Project, these particular cartridges are considered non-hazardous

**THORIUM OVERPACKING PROJECT UPDATE (TOP)**

- All figures cumulative for the project as of April 30, 1997
- Overpacked 5,354 drums, this is 95.6% of the goal to overpack approximately 5600 drums
  - Filled 913 Thorium Overpack Containers (TOCs)
  - Shipped 865 TOCs, this is 94.7% of filled TOCs

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