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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/ FEDERAL FACILITY AGREEMENT/REMEDIAL
INVESTIGATION/FEASIBILITY STUDY/ CONSENT DECREE MONTHLY
REPORT FROM FEBRUARY 1 THROUGH FEBRUARY 28, 1997**

03/19/97

**DOE-0701-97
DOE-FEMP EPAS
7
REPORT**



Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
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MAR 10 1997

DOE-0701-97

**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 FROM FEBRUARY 1 THROUGH
FEBRUARY 28, 1997**

**This letter transmits the amended Consent Agreement Monthly Report for the period
February 1 through February 28, 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 the U.S. Environmental Protection
Agency (U.S. EPA) and Ohio Environmental Protection Agency (OEPA).**

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
S. McLellan, PRC
D. Carr, FDF/9
T. Hagen, FDF/65-2
AR Coordinator/78

cc w/o enc:

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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STUDY/CONSENT DECREE MONTHLY REPORT FEBRUARY 1 - 28, 1997**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from February 1 through 28, 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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OPERABLE UNIT 1

February 1997

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Completed
 - Issued CSXT contract on Okeana Trestle Branch Line Upgrade February 13, 1997
 - Held ARASA pre-proposal conference February 19 and 20, 1997
 - Transmitted first responses to offerors questions on ARASA RFP February 25 and 27, 1997; all questions received will be answered in a timely manner as this is an ongoing process
 - Issued three amendments to the ARASA RFP to date
 - Continued north railyard construction
 - Initiated modifications to WPRAP north access road
 - Initiated preparation of the Transportation Plan, a Remedial Action Work Plan (RAWP) deliverable

March 1997 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Completed
 - Continue north railyard construction
 - Continue development of the Transportation Plan
 - Extend due date for receipt of ARASA Proposals to April 4, 1997
 - Complete report on "Pyrophoricity Potential of the FEMP Waste Pits"
 - Develop specification for procurement of 135 railcars

OPERABLE UNIT 2

February 1997

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

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- Major Work Initiated/Completed
 - OSDF
 - Installed the third Type 2 groundwater monitoring well for Cells 1 and 2 of the OSDF (note that the fourth well will be installed in May 1997)
 - Barrett Paving (the Haul Road contractor) began installation of erosion control structures on the southern side of the future Haul Road
 - SCEP
 - Work is proceeding on the Integrated Remedial Design Package for the Operable Unit 2 Waste Units; completion of this package is dependent of successful completion of the OU5 Area 1, Phase I Certification Report

March 1997 (Anticipated)

- Enforceable Milestones
 - OSDF
 - Submit OSDF Groundwater/Leak Detection and Leachate Monitoring Plan to Agencies March 7, 1997
 - SCEP
 - None

(Note: The March 14, 1997, milestone for submittal of the Area 2, Phase I Integrated Remedial Design Package [also know as the Southern Waste Units RAWP] will not be met; an extension has been request per letter dated February 28, 1997, from Johnny Reising USDOE-FN to James A. Saric, USEPA.)

- Major Work to be Initiated/Completed
 - OSDF
 - Continue work on the construction of the Haul Road; perform cleaning and grubbing
 - SCEP
 - None

OPERABLE UNIT 3

February 1997

- Enforceable Milestones Completed
 - Submitted responses to comments from Agencies on Boiler Plant/Water Plant Implementation Plan on February 14, 1997
 - Awarded contract for decontamination and dismantlement of the Boiler Plant/Water Plant Complex on February 27, 1997

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- Major Work Initiated/Completed
 - Safe Shutdown
 - Continued holdup material removal in Plant 5
 - Continued line draining in Plant 2/3
 - Continued holdup material removal in Plant 2/3
 - D&D
 - Successfully imploded Plant 1 on February 22, 1997

March 1997 (Anticipated)

- Enforceable Milestones
 - Submit responses to comments from Agencies on the OU3 Integrated Remedial Design/Remedial Action Work Plan, March 7, 1997
 - Submit responses to comments from the Agencies on the High and Low Nitrate Tanks Project Completion Report by March 28, 1997
 - Submit responses to comments from the Agencies on the Building 4A Complex Project Completion Report by March 28, 1997
 - Issue Notice to Proceed for decontamination and dismantlement of Boiler Plant/Water Plant Complex by March 10, 1997
- Major Work to be Initiated/Completed
 - Safe Shutdown
 - Complete shutdown of Plant 5
 - Continue line draining in Plant 2/3
 - Continue holdup material removal in Plant 2/3
 - D&D
 - None

OPERABLE UNIT 4

February 1997

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Completed
 - Vitrification Pilot Plant (VITPP)
 - Continued activities of the three incident evaluation teams (Incident Analysis, Safety Review, and Data Analysis/Path Forward) created to determine the root cause of the December 26, 1997, VITPP melter bottom drain incident and to estimate its impact on the project
 - Issued Final VITPP Incident Evaluation Report (combining the reports of all three evaluation teams) on February 28, 1997

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- Silo 3 Remedial Alternative
 - Continued resolving comments from the Agencies on the Draft Final Evaluation of Silo 3 Alternatives; responses will be transmitted in late March
- Overall OU4 Issues
 - Met with the Waste Management Committee of the Fernald Citizens Task Force (FCTF) concerning Silos Project issues on February 5, 1997
 - Met with the Transportation Committee of the FCTF concerning issues related to intermodal transport of Fernald wastes on February 6, 1997
 - Conducted two more sessions with the Silos Project Independent Review Team (IRT) on February 11-13 and February 25-28, 1997
 - Assisted in sponsoring two Public Availability Sessions, held on February 12 and February 26, 1997; these meetings were designed to give the public an opportunity to interface with the IRT and provide specific input toward their recommendations

March 1997 (Anticipated)

- **Enforceable Milestones**
 - None
- **Major Work to be Initiated/Completed**
 - Meet with the Waste Management Committee of the FCTF on March 12, 1997, to discuss the Silos Project Path Forward
 - Attend the full Fernald Citizens Task Force meeting on March 15, 1997
 - Assist the IRT as necessary in completion of the Final Report

OPERABLE UNIT 5

February 1997

- **Enforceable Milestones Completed**
 - **Aquifer Restoration Project (ARP)/Advanced Waste Water Treatment (AWWT)**
 - Submitted South Plume Optimization and Injection Demonstration Pre-Final Design packages to Agencies on February 3, 1997
 - Submitted the Annual RCRA Report (which included the RCRA annual groundwater monitoring data) to OEPA on February 28, 1997. The actual milestone date is March 1, 1997
 - Submitted the Ohio Department of Natural Resources Water Report on February 28, 1997. The actual milestone date is March 1, 1997
 - **SCEP**
 - None
- **Major Work Initiated/Completed**

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- **ARP/AWWT**
 - Issued Notice-to-Proceed for construction of 1800 gpm groundwater treatment expansion to the AWWT on February 13, 1997
 - Awarded contract for Parking Lot Stormwater Runoff Diversion project February 24, 1997
- **SCEP**
 - Continued assessment of analytical data associated with ongoing Comparability Study
 - Development of the Area 1, Phase I Certification Report is ongoing; DOE has requested that the schedule for submittal of the A1, PI Certification Report be officially changed from March 1, 1997 to July 1, 1997
 - Met with Natural Resource Trustees on February 25, 1997, to discuss latest revision of the Natural Resources Impact Assessment, further revisions to the Natural Resource Restoration Plan (NRRP), and the method to address ecological risks as part of the NRRP

March 1997 (Anticipated)

- **Enforceable Milestones Expected to Be Completed**
 - **ARP/AWWT**
 - Submittal of the Annual RCRA Report and the Ohio Department of Natural Resources Water Report on February 28, 1997 meets the March 1, 1997, milestone dates for both reports
 - Transmitted response-to-comments document for the Integrated Environmental Monitoring Plan (IEMP) to Agencies March 6, 1997
 - **SCEP**
 - None

(Note: A request for extension is being sought, as documented in a letter from Johnny Reising, DOE-FEMP, to James Saric, USEPA, dated February 28, 1997, for the following four interrelated March 1997 milestones: Area 1, Phase I Certification Report, due March 1, 1997; Insitu Radiological Characterization Comparability Study Report, due March 14, 1997; Sitewide Excavation Plan, due March 14, 1997; and Area 2, Phase I [Southern Waste Units] Integrated Remedial Design Work Package, due March 14, 1997)

- **Major Work to be Initiated/Completed**
 - **ARP/AWWT**
 - Begin construction of sewers in east parking lot in support of Parking Lot Stormwater Diversion Project
 - Award contract for the site work package to prepare for construction of new Sewage Treatment Plan adjacent to the AWWT facility
 - **SCEP**
 - Initiate additional sampling in OSDF support facilities including Area 1, Subareas A, B, B1, pump station, and the sediment basin, contingent on Agency approval of Project Specific Plan for sampling in those areas

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WASTE MANAGEMENT

February 1997

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Completed
 - Low Level Waste
 - Shipped 750.70 m³ low level waste to Nevada Test Site (NTS)
 - Mixed Waste Treatment Projects
 - Chemical Treatment Projects
 - Treated 8.00 m³ in the
Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project

March 1997 (Anticipated)

- Enforceable Milestones
 - None
- Major Work to be Initiated/Completed
 - Chemical Treatment Projects
 - Issue second draft of Work Plan for the Treatment, Storage, and Disposal Facility (TSDF) Project to DOE
 - Continue sampling of containers from Building 60 for Thorium Stabilization Project; an addition of approximately 125 samples is being planned for collection to further characterize Thoria Gel population
 - Submit comment response summary to Agencies on RCI Solvent Extraction Project Work Plan by March 5, 1997
 - Ship Lab Pack for Hazardous Waste Recycling Project to Heritage Treatment Center (TSDF) in Indianapolis, Indiana on March 6, 1997

THORIUM OVERPACK PROJECT UPDATE

All figures cumulative for the project as of February 28, 1997

- Overpacked 3,973 drums, this is 70.95% of the goal to overpack approximately 5600 drums
- Filled 683 Thorium Overpack Containers (TOCs)
- 657 TOCs has been shipped, this is 96.19% of filled TOCs