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**AMENDED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT AND REMEDIAL
INVESTIGATION/FEASIBILITY STUDY MONTHLY REPORT FOR JULY
1996**

08/20/96

**DOE-1251-96
DOE-FN EPAS
11
REPORT**



Department of Energy

**Ohio Field Office
Fernald Area Office**

P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155



AUG 20 1996

DOE-1251-96

**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:

**AMENDED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT AND REMEDIAL
INVESTIGATION/FEASIBILITY STUDY MONTHLY REPORT FOR JULY 1996**

This letter transmits the consolidated CA/FFCA and RI/FS Monthly Progress Report which describes the activities accomplished July 1 through 31, 1996.

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

Sincerely,

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

Enclosure: As Stated

cc w/enc:

R. L. Nace, EM-423/GTN
R. Beaumier, TPSS/DERR, OEPA-Columbus
D. Carr, FERMCO/52-5
T. Hagen, FERMCO/65-2
AR Coordinator, FERMCO/78

cc w/o enc:

G. Jablonowski, USEPA-V, 5HRE-8J
F. Bell, ATSDR
D. S. Ward, GeoTrans
S. McLellan, PRC
J. Harmon, FERMCO/90
B. Irvine, FERMCO/65-2
C. Little, FERMCO/2
T. Walsh, FERMCO/65-2

**AMENDED CONSENT AGREEMENT/
FEDERAL FACILITY COMPLIANCE AGREEMENT/
FEDERAL FACILITY AGREEMENT
AND REMEDIAL INVESTIGATION/FEASIBILITY STUDY
MONTHLY REPORT**

Period Ending July 31, 1996

Introduction

The Amended Consent Agreement (ACA) which was entered into pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA), Sections 120 and 106(a), the Federal Facility Compliance Agreement (FFCA), and the Federal Facility Agreement for Control and Abatement of Radon-222 Emissions (FFA-CARE) between the U.S. Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA) respectively, require that monthly reports be submitted to the USEPA regarding progress made to meet the provisions of those agreements. This report fulfills those requirements by describing actions completed at the Fernald Environmental Management Project (FEMP) during the period July 1 through July 31, 1996. This report also describes milestone and major activities to be undertaken at the FEMP during August 1996. 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. The monthly report will now be limited to identification of the significant activities completed during the preceding month.

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MISCELLANEOUS

- FERMCO has completed projectization of the company's entire organization. The re-engineering was initiated to implement the 10-year plan.

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Period Ending July 31, 1996**

OPERABLE UNIT 1

July 1996

- Enforceable Milestones
 - None
- Major Work Completed
 - Submitted Alternative Remedial Action Subcontracting Approach (ARASA) Statement of Work (SOW) for the Waste Pits Remedial Action Project (OU1) to Agencies on June 28, 1996, for review and comment; replies requested by August 2, 1996
 - Submitted a Draft Request for Proposal (RFP) for the remediation of the OU1 Waste Pit Area to potential offerors on July 18, 1996, for review and comment

Anticipated Activities for August 1996

- Enforceable Milestones
 - Submit draft revision to RA Work Plan for internal review
- Major Work
 - Issue RFP for On-Site Rail Upgrades

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OPERABLE UNIT 2

July 1996

- Enforceable Milestones
 - Submitted Area 1, Phase 1 Work Plan to Agencies on July 17, 1996
- Major Work Completed
 - Completed construction of the OSDF Test Pad on July 3, 1996.
 - Completed exploratory trenching in East Field on July 17, 1996

Personnel Changes

- Nancy Weatherup has been replaced by Mike Hickey as FERMCO Project Manager for the Disposal Facility Project, while Arlen Hunt will assume her responsibilities as FERMCO Project Manager for Soils Characterization.

Anticipated Activities for August

- Enforceable Milestones
 - Submit Final Design of Primary Waste Haul Road and Relocated North Entrance Road to Agencies
 - Submit Final Remedial Action Work Plan for Primary Waste Haul Road and Relocated North Entrance Road to Agencies
- Major Work to be Completed
 - Decommission Test Pad following completion of ongoing permeability monitoring

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OPERABLE UNIT 3

July 1996

- Enforceable Milestones
 - USEPA approved the draft Record of Decision for OU3 on July 29, 1996 with minor comments; the ROD was submitted to USEPA on June 27, 1996, almost a month ahead of the actual ACA milestone date of July 25, 1996
- Major Work Completed
 - Safe Shutdown activities continue

Anticipated Activities for August 1996

- Enforceable Milestones
 - Submit Final ROD for OU3

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OPERABLE UNIT 4

July 1996

- Enforceable Milestones
 - None
- Major Work Completed
 - Completed Campaign 1, Part 1 (Melter Operability) and Part 2 (Synchronize Gem Machine/Melter Testing) on July 24, 1996
 - Draft Final Evaluation of Silo 3 Alternatives Report issued for internal review on June 28, 1996
 - Draft Final Evaluation of Silo 3 Alternatives Report issued to Agencies on July 10, 1996; document made available to the public on July 12, 1996
 - Responses to comments from Agencies on the Silo Superstructure Pre-Final Design transmitted to DOE on July 16, 1996

Anticipated Activities for August 1996

- Enforceable Milestones
 - None
- Major Work to be Completed
 - Issue Fact Sheet to Stakeholders discussing Silo 3 Alternatives
 - Hold Public Workshop with Stakeholders to discuss Silo 3 Alternatives; scheduled for August 20, 1996, 7:00 p.m. at the Alpha Building
 - Draft Explanation of Significant Differences document for Silo 3 Residues to be issued for internal review; the ESD is intended to modify the Record of Decision and change the selected remedy from Vitrification to Solidification/Stabilization for Silo 3 Residues

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- Commerce Business Daily announcement

OPERABLE UNIT 5

July 1996

- Enforceable Milestones

- None

Anticipated Activities for August 1996

- Enforceable Milestones

- None

- Major Work to be Completed

- Submit Draft Integrated Environmental Monitoring Plan (IEMP) to Agencies for comment

- Address SSR pre-start findings and start up Slurry Dewatering Facility

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WASTE PROGRAMS MANAGEMENT

July 1996

- Enforceable Milestones
 - None
- Major Work Completed
 - Low Level Waste
 - Shipped 901 m³ low level waste to Nevada Test Site (NTS)
 - Liquid Mixed Waste Project
 - Shipped 30 m³ of liquid mixed waste to TSCA Incinerator
 - Treated 5 m³ of liquid mixed waste in the FEMP Waste Water Treatment System (WWTS)
 - Chemical Treatment Project
 - Processed 1.2 m³ in the Decontamination Project (this waste was prepared for additional treatment required to meet Land Disposal Restrictions)

Anticipated Activities for August 1996

- Enforceable Milestones
 - None
- Major Work to be Completed
 - Mixed Waste
 - Begin retreatment of the 26 boxes and 127 containers remaining in the Stabilization Project

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- Liquid Mixed Waste Project
 - Make five shipments of liquid mixed waste to TSCA Incinerator
 - Treat the three remaining containers in the WWTS Project
- Chemical Treatment Project
 - Begin Macroencapsulation shipments to Envirocare
 - Complete Solvent Extraction Project treatment contracts
 - Begin treatment operations under the Neutralization, Precipitation, Deactivation, and Stabilization (NPDS) Project, pending approval by the Agencies