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**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY
COMPLIANCE AGREEMENT/ FEDERAL FACILITY
AGEEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT OCTOBER 1 THROUGH
31, 1996**

11/19/96

**DOE-0194-97
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**



NOV 19 1996

DOE-0194-97

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

**Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911**

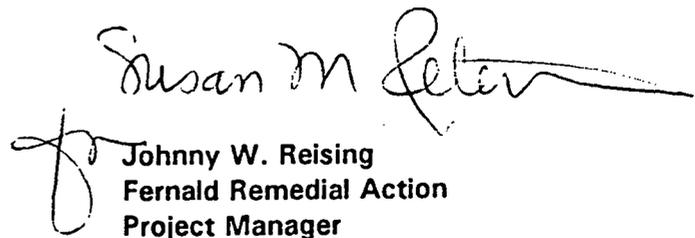
Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT OCTOBER 1 THROUGH 31, 1996**

**This letter transmits the amended Consent Agreement Monthly Report for the period
October 1 through October 31, 1996. The month 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 U.S. Environmental Protection
Agency (U.S. EPA) and the Ohio Environmental Protection Agency (OEPA).**

If you 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:

S. Fauver, EM-425/GTN
R. Beaumier, TPSS/DERR, OEPA-Columbus
D. Carr, FDF/52-5
T. Hagen, FDF/65-2
AR Coordinator/78

cc w/o enc:

G. Jablonowski, USEPA-V, 5HRE-8J
F. Bell, ATSDR
D. S. Ward, GeoTrans
S. McLellan, PRC
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T. Walsh, FDF/65-2
EDC, FDF/52-7

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Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from October 1, 1996 through October 31, 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 U.S. EPA and Ohio EPA.

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OPERABLE UNIT 1

October 1996

- Enforceable Milestones Completed
 - Submitted Draft OU1 Remedial Action Work Plan (RAWP) to the Agencies on October 17, 1996
- Major Work Initiated/Completed
 - Awarded the On-Site Rail Installation contract to Annex Railroad Buildings of Indianapolis on October 8, 1996
 - Pursued resolution of outstanding DOE issues on Alternative Remedial Action Subcontracting Approach (ARASA) Request for Proposal (RFP)
 - pursued resolution to outstanding CSXT issues on Branch Line Trestle Upgrade

November 1996 (Anticipated)

- Enforceable Milestones Expected to Be Completed
 - None
- Major Work to be Initiated/Completed
 - Award contract for Branch Line Trestle Upgrade
 - Resolve remaining outstanding DOE issues on the ARASA RFP

OPERABLE UNIT 2

October 1996

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - Submitted the OSDF Final Design Review Package and RAWP to the Agencies for final approval on October 14, 1996

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- Soil Characterization & Excavation Project (SCEP)
 - None
- Major Work Initiated/Completed
 - OSDF
 - Awarded contract for construction of the Haul Road and Rerouted North Entrance Road on October 7, 1996, to Barrett Paving
 - Issued Request for Proposal for Phase I Construction of the OSDF on October 25, 1996
 - SCEP
 - Initiated internal Fluor Daniel Fernald (FDF) review of the Removal Action Implementation Plan for the Southern Waste Units of OU2
 - Completed periodic maintenance of the Active Flyash Pile washout; this is a recurring activity which involves regrading of the material surface and application of crusting agents to minimize erosion
 - Initiated and completed construction of modifications to the seepage control system in the South Field

November 1996 (Anticipated)

- Enforceable Milestones
 - OSDF
 - None
 - SCEP
 - None

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- Major Work to be Initiated/Completed
 - OSDF
 - Proceed with the RFP process for the OSDF Phase I Construction; activities include holding a prebid meeting and site tour for interested offerors, and responding to questions arising from the meeting and tour
 - SCEP
 - Pursue completion of internal review of the Removal Action Implementation Plan for the Southern Waste Units

OPERABLE UNIT 3

October 1996

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Completed
 - Safe Shutdown
 - Continued holdup material removal in Plant 5
 - Continued line draining in Plant 2/3
 - Initiated holdup material removal in Plant 2/3
 - D&D
 - Continued activities in Plant 1; approaching completion of interior cleanup

November 1996 (Anticipated)

- Enforceable Milestones
 - Submit OU3 Integrated Remedial Design/Remedial Action Work Plan to the Agencies by November 25, 1996

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- Major Work to be Initiated/Completed
 - Safe Shutdown
 - Continue holdup material removal in Plant 5
 - Continue line draining in Plant 2/3
 - Continue holdup material removal in Plant 2/3
 - D&D
 - Continue with Plant 1 activities; begin removal of exterior transite
 - Issue RFP for decontamination and demolition of Boiler Plant

OPERABLE UNIT 4

October 1996

- Enforceable Milestones Completed
 - None

(Note that the October 7, 1996, milestone for submittal of the Phase II Remedial Action Work Plan was not met. On September 26, 1996, U.S. DOE requested an extension under Section XVIII of the 1991 Amended Consent Agreement. The request for an extension was denied in a letter dated October 2, 1996 from James A. Saric, U.S. EPA to Johnny W. Reising, DOE-FN.)
- Major Work Initiated/Completed
 - Vitrification Pilot Plant (VITPP)
 - Initiated standdown of the VITPP to make appropriate modifications to the facility prior to Campaign #4 testing
 - Prepared and presented materials at a Public Meeting on October 15, 1996, held to discuss issues related to the VITPP and the OU4 Path Forward
 - Silo 3 Remedial Alternative
 - Submitted draft responses to comments from Agencies concerning the Silo 3 Alternative Report on October 8, 1996

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- Received comments on the Silo 3 Report from the Nevada Test Site (NTS) Citizens Advisory Board on October 9, 1996
- Overall OU4 Issues
 - Received U.S. EPA rejection of DOE's request for an extension for the first missed OU4 milestone (Radon Treatment System Title I/II Design, Preliminary 30%, due September 30, 1996) on October 2, 1996; formal dispute resolution for missed milestones will occur after the OU4 Path Forward has been defined per letter agreement dated October 9, 1996, between U.S. EPA and DOE
 - Attended meeting of the Fernald Citizens Task Force (FCTF) Waste Management Committee on October 16, 1996, to discuss development of a path forward for FCTF on OU4 issues
 - Attended meeting of FCTF Transportation Committee on October 24, 1996, to discuss issues related to inter-modal transport of Fernald waste to the NTS. DOE's request (and EPA's rejection) dealt with a total of six CY-1996 milestones
 - Attended meeting with the Agencies on October 30, 1996 to discuss resolution of request for extension of OU4 milestones

November 1996 (Anticipated)

- Enforceable Milestones
 - Silo super structures, award construction - November 13, 1996
- Major Work to be Initiated/Completed
 - Attend FCTF Full Board meeting on November 9, 1996, to respond to any questions concerning OU4 in general
 - Convene initial meeting on November 14, 1996, of an Independent Review Team which will be brought in to assist in the Silos Project Path Forward decision; team comprised of individuals from the academic community, the commercial glass industry, and both foreign and domestic radioactive waste processing industries
 - Initiate VITPP Campaign #4 in late November after necessary modifications are completed; modifications primarily focus on the slurry and off-gas systems
 - Attended the meeting of Nevada Test Site Citizens Advisory Board on November 6, 1996, to present draft responses to comments on Silo 3 Report

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OPERABLE UNIT 5

October 1996

- Enforceable Milestones Completed
 - Aquifer Restoration Project (ARP)/Advanced Waste Water Treatment (AWWT)
 - Submitted the five items listed below as required in the Schedule of Remedial Design Deliverables for Groundwater in the Remedial Design Work Plan (RDWP); although the due date for these items was October 1, 1996, they were all actually submitted in late September
 - Draft Baseline Remedial Strategy Report for Aquifer Restoration; submitted on September 30, 1996
 - Phase II South Field Test Report (listed as "Short-Term Injection Test Report" in the RDWP); submitted on September 28, 1996
 - Project Specific Plan for the Restoration Area Verification Sampling Program; submitted on September 28, 1996
 - Preliminary Design Package for the Injection Demonstration; submitted on September 26, 1996
 - Preliminary Design Packages for the South Plume Optimization; submitted on September 26, 1996
 - Submitted the OU5 RAWP for the Aquifer Restoration Project to the Agencies on October 30, 1996; actual due date for this deliverable was November 1, 1996
 - SCEP
 - None
- Major Work Initiated/Completed
 - ARP/AWWT
 - Continued work on AWWT Multimedia Filter Project; all new and rehabbed filter tanks are now on site and installed in position

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- Continued AWWT Expansion planning and bidding efforts; construction contract is anticipated to be awarded by February 28, 1997
- Began AWWT Resin Regeneration design efforts; this project will use a concentrated brine solution for the regeneration process
- Began design preparations for the Bionitrification By-Pass; the layout will construct a new line between the Bionitrification Surge Lagoon and the AWWT outside of the major remediation areas parallel to the OSDF leachate line

- SCEP

- Submitted response to comments to the Agencies on the Area 1, Phase I RAWP on October 9, 1996
- Continued Precertification of Area 1, Phase I and portions of the rail yard; this activity identifies areas of contamination so that they can be removed prior to the more expensive and time-consuming Certification activities
- Initiated Comparability Study of real time field analytical methods and laboratory analysis for Uranium contamination in soil
- Completed the delineation of the Firing Range remedial boundary using X-ray fluorescence for lead in soil; this activity resulted in a revised estimate of 70 cubic yards requiring treatment, a decrease of 230 cubic yards in material to be treated which represents a significant cost avoidance
- Kelchner Environmental continued stripping soils in Area 1, Phase I east of the North Access Road; this activity supports the preparation of the OSDF footprint and the relocated North Access Road
- Initiated internal FDF review of the Site Wide Excavation Plan
- Began revising the Natural resources Impact Assessment in response to comments from the Natural Resource Trustees (NRTs)
- Initiated internal FDF review of the Draft Statement of Work for excavation of impacted material in Area 1, Phase I

November 1996 (Anticipated)

- Enforceable Milestones
 - ARP/AWWT

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- See October Enforceable Milestones for OU5 above; submittal of the OU5 RAWP for the Aquifer Restoration Project meets a November 1, 1996, deliverable deadline
- SCEP
 - None
- Major Work to be Initiated/Completed
 - ARP/AWWT
 - Continue ARP/AWWT activities already underway
 - SCEP
 - Pursue completion of the internal reviews being conducted on various SCEP-generated documents
 - Submit revision of the Natural Resource Impact Assessment to the NRTs on November 8, 1996
 - Continue soil stripping, precertification efforts, soil sampling, and other field activities initiated in October

WASTE MANAGEMENT

October 1996

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Completed
 - Low Level Waste
 - Shipped 519.80 m³ low level waste to Nevada Test Site (NTS)
 - Chemical Treatment Projects
 - Treated 57.80 m³ in the Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project

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November 1996 (Anticipated)

- Enforceable Milestones to Be Completed
 - None
- Major Work to be Initiated/Completed
 - Chemical Treatment Projects
 - Complete review of the Draft Work Plan for the RCI Solvent Extraction Project; comments are due from project personnel on November 8, 1996, and resolution of comments is targeted for November 15, 1996
 - Continue treatment activities in the NPDS Project

THORIUM OVERPACK PROJECT UPDATE

All figures year-to-date as of September 30, 1996

- Overpacked 1,696 drums
- Filled 278 Thorium Overpack Containers (TOCs)
- Shipped 266 TOCs