

**Department of Energy****Ohio Field Office
Fernald Area Office**P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155DEC 22 1997
DOE-0263-98Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Schneider:

AMENDMENT TO FERNALD SITE TREATMENT PLAN

Reference: Letter, from Craig to Schneider, "Thorium Mixed Wastes Treatment and Storage in Buildings 64 and 65 - Fernald Environmental Management Project," dated June 25, 1997.

This letter is to transmit the proposed amendment to the Fernald Environmental Management Project (FEMP) Site Treatment Plan. Notification of a need to amend the FEMP Site Treatment Plan was provided in the referenced letter. The need pertains to the treatment of the Thorium Legacy Wastes under the Stabilization Subproject of the Chemical Treatment Preferred Option.

The proposed amendment to the Site Treatment Plan was prepared as replacement pages. The text changes were to Page 8 of the Director's Final Findings and Orders (DF&O), which shifted text to the following page. Both pages are provided as an enclosure. This amendment is provided in accordance with the DF&O, Section V.1.D.iii, as issued on October 4, 1995. The proposed text changes are provided with redline or strikeout for easy identification.

If you should have any questions, please contact Robert Danner at (513) 648-3167.

Sincerely,


Jack R. Craig
Project Manager

FEMP:Danner

Enclosure: As Stated

cc w/enc:

L. E. Parsons, DOE-OH
J. W. Reising, DOE-FEMP
J. Sattler, DOE-FEMP
J. Saric, USEPA-V, SRF-5J
P. Pardi, OEP A-Dayton
AR Coordinator, FERMCO/78

cc w/o enc:

EDC, FDF/52-7

**3.1.6 Waste Streams for which Technology Exists - Preferred Option:
Ohio Mobile Chemical Treatment System**

Project Name: Chemical Treatment Project

The FEMP mixed waste streams where the Preferred Option is identified as Ohio Mobile Chemical Treatment System are listed in Table 6 of the Background Volume. Treatment of these waste streams will occur on-site using vendor provided services, except for some debris (as defined in RCRA) macroencapsulation, which will occur off-site at a commercial facility. Detailed information on this treatment is located in Section 3.1.6 of the Background Volume.

Treatment of the Thorium Legacy Wastes will occur onsite under the Stabilization Subproject of the Chemical Treatment Preferred Option. The Thorium Legacy Wastes were included in the 1997 Annual STP Update as newly identified/generated wastes after sampling and analysis in 1997. 542 containers (108.4 cubic meters) are scheduled to be treated beginning in the spring of 1998.

Multiple contracts will be entered into for the performance of treatment for each technology in the Chemical Treatment Project. Specific work plans will be developed for each on-site treatment technology. The technology specific work plans will be submitted to the State for approval. Construction of the facilities will be initiated upon State approval of the technology specific work plans.

MIXED WASTE STREAMS FOR WHICH TECHNOLOGY EXISTS

Project Start Date: October 31, 1994 (COMPLETED)

Schedule for submitting all applicable permit applications:

Not applicable. It is anticipated that this project will be initiated as part of CERCLA Removal Action #9. The Draft Work Plan for this project will be submitted in November 30, 1995.†

A schedule for commencing operations will be provided in each technology project specific work plan submitted for approval.

Schedule for entering into contracts: The contract for implementation of the first technology will be entered into in April 30, 1996.†

The project specific work plan for each technology will be submitted for approval within 120 days of entering into the contract.†

The contract for the last technology will be entered into in September 30, 2000.

**3.1.6 Waste Streams for which Technology Exists - Preferred Option:
Ohio Mobile Chemical Treatment System (cont.)**

Schedule for initiating construction: Vendor will supply a fully constructed mobile system. Construction for each technology will be initiated within 30 days of approval of the project specific work plan.†

Schedule for conducting systems testing:

Operational Readiness and systems testing will be completed 120 days after completion of treatment facility construction.†

Schedule for commencing operations:

Treatment will be initiated within 14 days of completion of system testing for each technology.†

Schedule for processing backlogged and currently generated mixed wastes: February 28, 1997 through September 30, 2001

A schedule for processing backlogged and currently generated mixed waste will be provided by technology in each project specific work plan submitted for approval.

Project Completion Date: September 30, 2001

† Denotes milestone dates