



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

4301

REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

FERNALD  
LOG C-1321

JUN 04 2002 JUN -6 A 10:24

Mr. Johnny Reising  
United States Department of Energy  
Feed Materials Production Center  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

REPLY TO THE ATTENTION OF SRF-5J

RE: OSDF Phase IV Technical  
Specifications

Dear Mr. Reising:

The United States Environmental Protection Agency (U.S. EPA) has completed its review of the United States Department of Energy's (U.S. DOE) technical specifications for the On-Site Disposal Facility (OSDF) Phase IV. The document provides technical specification for Phase IV, and Phase III Design Change Notices which were not completed at the time of the submittal of the original Phase IV package in August 2001.

U.S. EPA reviewed the document for technical adequacy, and completeness. The document does not include all the sections referenced in the text. U.S. EPA's comments are enclosed.

Therefore, U.S. EPA disapproves the OSDF Phase IV technical specifications. U.S. DOE must submit the missing sections within thirty (30) days receipt of this letter.

Please contact me at (312) 886-0992 if you have any questions regarding this matter.

Sincerely,

James A. Saric  
Remedial Project Manager  
Federal Facilities Section  
SFD Remedial Response Branch #2

Enclosure

cc: Tom Schneider, OEPA-SWDO  
Sally Robison, U.S. DOE-HQ  
Jamie Jameson, Fluor Fernald  
Terry Hagen, Fluor Fernald  
Tim Poff, Fluor Fernald

bcc w/enclosure:

Mary Wojciechowski, Tetra Tech  
Gene Jablonowski, SRF-5J

bcc w/o enclosure:

Brian Barwick, ORC



- **Specification Section 02100, Surveying.** Part 3.02, Support Surveys, Subpart A-Preliminary Surveys, Paragraph 13, Page 02200-9 requires that the centerline of the completed isolation trench specified in Section 02207 be surveyed. The text also requires that redline markups be provided to show where the trench deviates from the design location by more than the maximum tolerance specified in Section 02207.
- **Specification Section 02100, Surveying.** Part 3.02, Support Surveys, Subpart B-Intermediate Surveys, Paragraph 4, Page 02200-9 requires that surveys be performed during the impacted material excavation specified in Section 02205 to confirm the limits of excavation.
- **Specification Section 02100, Surveying.** Part 3.02, Support Surveys, Subpart B-Intermediate Surveys, Paragraph 9, Page 02200-10 requires that a topographic survey be performed and that the work limits of the designated borrow areas be established before the Great Miami Aquifer plug materials specified in Section 02206 are obtained.
- **Specification Section 02100, Surveying.** Part 3.02, Support Surveys, Subpart C-Final Surveys, Paragraph 3, Page 02200-10 requires that ditches, channels, and culverts be surveyed as specified in Sections 02270, 02275, and 02721.
- **Specification Section 02100, Surveying.** Part 3.04, Surveys for Conformance Checks and "Red-line" Documents, Subpart A-Final Surveys, Paragraph 1, Page 02200-10 requires that surveys be performed for conformance checks and "red-line" documents for berms, roads, ditches, and other earthwork specified in Sections 02200, 02206, 02230, and 02270.
- **Specification Section 02100, Surveying.** Part 3.04, Surveys for Conformance Checks and "Red-line" Documents, Subpart A-Final Surveys, Paragraph 18, Page 02200-12 requires that surveys be performed for conformance checks and "red-line" documents for center lines at nominal 50-foot intervals and at points of intersection of the area isolation trenches specified in Section 02207.
- **Specification Section 02200, Earthwork.** Part 1.02, Related Sections and Plans, Page 02200-1, Subparts C, D, and E list Sections 02150-Traffic Control, 02205-Impacted Material Excavation, and 02206-Earthwork for Remediation as related sections.

- **Specification Section 02200, Earthwork.** Part 1.04, Submittals, Page 02200-3, Subpart A, Paragraph 1 requires preparation of a work plan with a list of the equipment and descriptions of the construction methods proposed for the scope of work specified in a number of sections, including Sections 02206 and 02940.
- **Specification Section 02200, Earthwork.** Part 1.04, Submittals, Page 02200-3, Subpart A, Paragraph 13 requires coordination with the traffic control plan specified in Section 02150.
- **Specification Section 02200, Earthwork.** Part 3.04, Excavation, Page 02200-7, Subpart B requires removal of the clay pipe tile subdrain system in accordance with Section 02205.
- **Specification Section 02200, Earthwork.** Part 3.04, Excavation, Page 02200-7, Subpart D requires removal and relocation of impacted material encountered during excavation in accordance with Section 02205. The text requires disposal of impacted material exceeds On-Site Disposal Facility (OSDF) waste acceptance criteria.
- **Specification Section 02200, Earthwork.** Part 3.04, Excavation, Page 02200-7, Subpart F requires that well casings, concrete, and grout be excavated in accordance with Section 02205.
- **Specification Section 02200, Earthwork.** Part 3.04, Excavation, Page 02200-8, Subpart J requires excavation to 2 feet below the bottom of the pavement elevation and road shoulder in accordance with Section 02205.
- **Specification Section 02225, Compacted Clay Liner and Cap.** Part 1.02, Related Sections and Plans, Page 02225-1, Subpart B refers to Section 02150-Traffic Control.
- **Specification Section 02225, Compacted Clay Liner and Cap.** Part 1.04, Submittals, Page 02225-3, Subpart C requires that the contractor's traffic control plan specified in Section 02150 show the haul road for hauling clay liner and cap material from the screened clay material stockpiles to the OSDF.

