



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

4398

JUL 25 2002

FERNALD
LOG C-1582

2002 JUL 26 A 9:42

FILE: 6446e7A

REPLY TO THE ATTENTION OF:

LIBRARY: SRF-5J

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

RE: 2001 Site
Environmental Report

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) 2001 Site Environmental Report.

This document summarizes site-wide monitoring activities for 2001. Overall, the report is technically complete and adequate. However, U.S. EPA has enclosed comments which should be addressed in next year's Site Environmental Report.

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-HDQ
Jamie Jameson, Fluor Fernald
Terry Hagen, Fluor Fernald
Tim Poff, Fluor Fernald

**TECHNICAL REVIEW COMMENTS ON
"TRANSMITTAL OF THE 2001 SITE ENVIRONMENTAL REPORT"**

FERNALD ENVIRONMENTAL MANAGEMENT PROJECT

GENERAL COMMENTS

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: NA

Page #: NA

Line #: NA

General Comment #: 1

Comment: The document contains undefined quantitative terms such as "well under," "well over," "significant," and "insignificant." The text should be revised to refer to concentrations and their relation to regulatory limits, or further explain the terms meanings.

SPECIFIC COMMENTS

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 3.3.3.1.1

Page #: 50

Lines #: NA

Original Specific Comment #: 1

Comment: Figure 3-7 and the associated text indicate that net uranium recovery from the Great Miami Aquifer has been increasing steadily over the last 4 years. However, graphical representations of data from individual recovery wells provided in the appendix indicate that in most cases, uranium recovery at individual well locations has been decreasing over time. Typically, groundwater recovery projects result in a decrease of contaminant recovery over time as illustrated by the individual well data. The text does not discuss apparent causes for the increase. For example, have recovery points been continuously added over the period? The text should be revised to briefly discuss the reasons or any analyses conducted to determine the reasons for the increase.

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 3.3.1.5

Page #: 53

Lines #: NA

Original Specific Comment #: 2

Comment: The text refers to Figure 3-8 on page 51 and states, "These capture zones indicate that the southern plume is being captured by the existing system and that further movement of the uranium plume to the south of the extraction wells is being prevented." An interpretive discussion of the capture zone data in comparison to the various vectors of regional groundwater flow would be helpful.

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 4.4

Page #: 76

Lines #: NA

Original Specific Comment #: 3

Comment: The text in paragraph one indicates, "Sediment is collected at strategic locations to ensure that the most recently deposited sediment is collected." The text should clarify how the "strategic locations" ensure that the most recently deposited sediment is sampled. Also, the text should indicate whether published U.S. EPA or Ohio Environmental Protection Agency (OEPA) sediment sampling protocols were implemented to collect the samples or provide some rationale for the procedure used to select the sampling locations, depths, and methods.

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 5.7

Page #: 97

Lines #: NA

Original Specific Comment #: 4

Comment: Paragraph four indicates that particulate matter emissions were "well below the allowable limit of over 6.3 tons per year calculated from information in the permits issues by OEPA." The text should clarify the method used to calculate the allowable limit and the rationale for the selection of the method.

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 7.5

Page #: 111

Lines #: NA

Original Specific Comment #: 5

Comment: The text indicates that Fort Ancient Village was "impacted by cleanup efforts at the site." The text should discuss the nature and extent of the impact to the Village.