



Department of Energy

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3080

JUN 29 2000

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V, SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0800-00

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

Mr. Ms. Val Orr
Division of Drinking and Ground Waters - UIC Unit
Ohio Environmental Protection Agency
P.O. Box 1049
1800 Watermark Drive
Columbus, Ohio 43216-1049

Dear Mr. Saric, Mr. Schneider, and Ms. Orr:

**RESPONSE TO THE OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENT ON THE
SEPTEMBER 1999 RE-INJECTION DEMONSTRATION OPERATING REPORT**

This correspondence submits the subject response.

If you have any questions regarding this submittal, please contact Robert Janke at
(513) 648-3124.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Nickel

Enclosure

Mr. James A. Saric
Mr. Tom Schneider
Ms. Val Orr

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cc w/enclosure:

R. J. Janke, OH/FEMP
G. Jablonowski, USEPA-V, SRF-5J
T. Schneider, OEPA-Dayton (three copies of enclosure)
F. Bell, ATSDR
F. Hodge, Tetra Tech
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
D. Brettschneider, Fluor Fernald, Inc./52-5
K. Broberg, Fluor Fernald, Inc./52-5
W. Hertel, Fluor Fernald, Inc./52-5
M. Jewett, Fluor Fernald, Inc./52-2
R. White, Fluor Fernald, Inc./52-5
AR Coordinator, Fluor Fernald, Inc./78

cc w/o enclosure:

N. Hallein, EM-31/CLOV
J. Reising, OH/FEMP
A. Tanner, OH/FEMP
D. Carr, Fluor Fernald, Inc./2
T. Hagen, Fluor Fernald, Inc./65-2
J. Harmon, Fluor Fernald, Inc./90
S. Hinnefeld, Fluor Fernald, Inc./31
U. Kumthekar, Fluor Fernald, Inc./64
T. Walsh, Fluor Fernald, Inc./65-2
ECDC, Fluor Fernald, Inc./52-7

**RESPONSE TO OEPA COMMENT ON
THE SEPTEMBER 1999 RE-INJECTION
DEMONSTRATION OPERATING REPORT**

**FERNALD ENVIRONMENTAL MANAGEMENT PROJECT
FERNALD, OHIO**

JUNE 2000

U.S. DEPARTMENT OF ENERGY

**RESPONSE TO OEPA COMMENT ON
THE SEPTEMBER 1999 RE-INJECTION
DEMONSTRATION OPERATING REPORT**

Commenting Organization: OEPA

Commenter: Schneider

Section#: NA

Pg.#: NA

Line#: NA

Code:

Original Comment# 1

Comment: The field blank for 8/11/99 shows unusually high amounts of calcium, magnesium, potassium and sodium. The field blank results for 8/11/99 for calcium, magnesium, potassium and sodium are anomalous compared with the other field blanks shown on the table and for the field blank results associated with the groundwater monitoring data presented in the previous operating reports. Is it believed that conditions at the field location the field blank was collected resulted in the observed values or is it possible that the blank was not collected using certified deionized water?

We await the final report for the Re-Injection Demonstration and are optimistic that a complete analysis of all aspects will support the preliminary decision to continue re-injection.

Response: The only groundwater monitoring well sampled on August 11, 1999 was Well 2166. As the data indicate a duplicate sample was also collected. The calcium, magnesium potassium, and sodium concentrations reported for the duplicate sample compare favorably to concentrations expected for the blank. The concentrations recorded for the blank prepared on that day compare favorably to historical concentrations expected for samples collected at Well 2166. Therefore, it is believed that the duplicate sample and blank were mislabeled, and that is why the concentrations reported in the blank are anomalous. This error did not affect data interpretations made in the Final Re-Injection Demonstration Test Report that was issued in May of 2000.

Action: No action required.