



## Department of Energy

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**3669**

APR 20 2001

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

DOE-0528-01

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

Dear Mr. Saric and Mr. Schneider:

**TRANSMITTAL OF THE DESIGN FOR REMEDIATION OF THE GREAT MIAMI AQUIFER IN THE WASTE STORAGE AND PLANT 6 AREAS INCLUDING DRAWINGS AND SPECIFICATIONS, AND THE INSTALLATION OF AN ADDITIONAL GROUNDWATER RECOVERY WELL IN THE SOUTH FIELD**

This letter transmits for your review the following documents:

1. The Design Report for Remediation of the Great Miami Aquifer in the Waste Storage and Plant 6 Areas
2. Construction Drawings - Waste Storage Area Extraction System, Phase 1, SFES Supplemental Well, Operable Unit 5
3. Construction Specifications - Waste Storage Area Extraction System, Phase 1, SFES Supplemental Well, Operable Unit 5
4. Information supporting the location of an additional groundwater recovery well in the South Field

Documents 1, 2, and 3 contain information required to fulfill Operable Unit 5 (OU5) Remedial Design (RD) obligations. The Remedial Design Work Plan (RDWP) for Remedial Actions (RA) at OU5 (DOE 1996) required submittal of preliminary design packages for the Waste Storage Area Extraction Module (Task 7) and the Plant 6 Area Extraction Module (Task 6) by June 15, 2001 and August 15, 2001, respectively. Consistent with the

APR 20 2001

3669

Mr. James A. Saric  
Mr. Tom Schneider

-2-

Conceptual Design for Remediation of the Great Miami Aquifer in the Waste Storage and Plant 6 Areas (DOE 2000), the installation of groundwater extraction wells in the Plant 6 Area is not required. However, this package contains a recommendation for continued monitoring in the area. Additional groundwater monitoring conducted in the Plant 6 area since the Conceptual Design was prepared confirms that uranium concentrations in that area continue to remain below the groundwater Final Remediation Level (FRL).

As discussed in a recent weekly site teleconference with the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA), Enclosure 4 contains information on an additional extraction well to be located in the northeastern portion of the South Field module. Also, as discussed in the weekly teleconference, the Department of Energy (DOE) is requesting the USEPA and OEPA concurrence with the Waste Storage Area Phase 1 extraction well locations and the additional South Field extraction well location. Timely concurrence is needed so that drilling can begin in May. In light of this request, we suggest a meeting with the USEPA and OEPA during the first week in May 2001 to go over the design enclosures and answer any questions regarding the designs.

If you have any questions concerning this submittal, please contact John Kappa at (513) 648-3149.

Sincerely,



Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FEMP:Kappa

Enclosures

APR 20 2001

Mr. James A. Salic  
Mr. Tom Schneider

-3-

## cc w/enclosures:

R. J. Janke, FEMP/MS45  
T. Schneider, OEPA-Dayton (three copies of enclosure)  
G. Jablonowski, USEPA-V, SRF-5J  
F. Bell, ATSDR  
M. Schupe, HSI GeoTrans  
R. Vandegrift, ODH  
F. Hodge, Tetra Tech

## cc w/o enclosures:

K. Chaney, EM-31/CLOV  
N. Hallein, EM-31/CLOV  
A. Tanner, FEMP/MS45  
D. Brettschneider, Fluor Fernald, Inc./MS52-5  
K. Broberg, Fluor Fernald, Inc./MS52-5  
D. Butterfield, Fluor Fernald, Inc./2-5  
D. Carr, Fluor Fernald, Inc./MS2  
M. Frank, Fluor Fernald, Inc./MS90  
T. Hagen, Fluor Fernald, Inc./MS65-2  
E. Henry, Fluor Fernald, Inc./MS52-5  
W. Hertel, Fluor Fernald, Inc./MS52-5  
S. Hinnefeld, Fluor Fernald, Inc./MS31  
J. Hughes, Fluor Fernald, Inc./MS52-5  
M. Jewett, Fluor Fernald, Inc./MS52-2  
U. Kumthekar, Fluor Fernald, Inc./MS52-2  
T. Walsh, Fluor Fernald, Inc./MS46  
ECDC, Fluor Fernald, Inc./MS52-7