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**MAJOR ELEMENTS TO BE INCLUDED IN THE
1993 RCRA ANNUAL GROUNDWATER REPORT**

01/21/94

**DOE-0784-94
DOE-FN/EPA
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LETTER**



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Department of Energy
Fernald Environmental Management Project
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JAN 21 1994
DOE-0784-94

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V - 5HRE-8J
77 W. Jackson Boulevard
Chicago, Illinois 60604

Mr. Graham E. Mitchell, Project Manager
Ohio Environmental Protection Agency
40 South Main Street
Dayton, Ohio 45402-2086

Dear Mr. Saric and Mr. Mitchell:

MAJOR ELEMENTS TO BE INCLUDED IN THE 1993 RCRA ANNUAL GROUNDWATER REPORT

- References:
1. Ohio Environmental Protection Agency (OEPA), "Director's Final Findings and Orders (DFO)," dated September 10, 1993.
 2. DOE, October 1993. Project Specific Plan (PSP) for the Routine Groundwater Monitoring Program Along the Downgradient Boundary of the FEMP, prepared by Fernald Environmental Restoration Management Corporation of Ohio for the U.S. Department of Energy, Fernald Environmental Management Project, Fernald, Ohio.

The purpose of this letter is to summarize the agreed upon contents of the 1993 RCRA Annual Groundwater Report, pursuant to the discussion on October 1, 1993 with OEPA representative Mike Proffitt, and as outlined in the requirements of the DFOs (Reference 1).

During January and April 1993, the RCRA program consisted of sampling wells specified in the Groundwater Quality Assessment Program Plan (1991), and existing wells installed under the RCRA Groundwater Monitoring Plan (1992). In May 1993, an alternate program consisting of 33 monitoring wells (Reference 2) was proposed and later accepted by the U.S. EPA and OEPA. Under this program, 20 wells were completed in time for the third quarter sampling event. The remaining 13 wells were completed by September 1993, and the entire 33 well boundary network was sampled for the fourth quarter sampling event. Future sampling of these 33 wells will be done on a quarterly basis (January, April, July, and October) beginning in 1994.

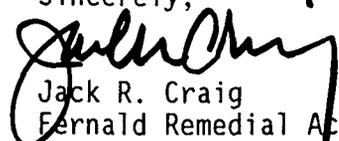
Outlined below are the major elements which will be provided in the 1993 RCRA Annual Groundwater Report as defined by the DFOs and through discussions with Mike Proffitt for the OEPA.

1. Groundwater elevation measurements (required by DFOs) will be provided as:
 - a. Contour maps showing groundwater elevation measurements of the Great Miami Aquifer for the four RCRA sampling quarters (January, April, July, and September 1993).
 - b. Hydrographs from the Routine Elevation Program for the 33 wells listed in the alternate program.
2. 1993 RCRA analytical data will be provided in the following format:
 - a. Groundwater Information Tracking System (GRITS) format for January and April (requested by Mr. Proffitt). Due to the agreed upon discontinuation of upgradient monitoring well sampling, the July and September data do not match the GRITS format.
 - b. Concentration vs. time plots of 1993 data for target parameters from the 33 alternate program wells (required by DFOs - parameters specifically requested by Mr. Proffitt).
 - Total Uranium
 - Sulfate
 - Specific Conductivity
 - c. Table and map of volatile organic results above detection limits for the July and September RCRA samples (requested by Mr. Proffitt).
 - d. An appendix containing the following:
 1. January and April 1993 data from wells listed in the GQAPP and the wells installed for the GMP.
 2. July data from 20 of the 33 alternate program wells and September data from the complete network of 33 alternate program wells.

If you or your staff have any questions, please contact Kathi Nickel at 740-3166.

FN:Nickel

Sincerely,


Jack R. Craig
Fernald Remedial Action
Project Manager

Enclosure: As Stated

cc:

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