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**ADDITIONAL RI WELLS
U.S. DEPARTMENT OF ENERGY FEED
MATERIALS PRODUCTION CENTER FERNALD,
OHIO OH6 890 008 976**

10/11/88

**USEPA/DOE-ORO
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LETTER**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

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10/17/88

REPLY TO THE ATTENTION OF:

~~CC Conner~~ 5HR-12

OCT 11 1988

Mr. James A. Reafsnyder
United States Department of Energy
Environmental Protection Division
P.O. Box E
Oak Ridge, Tennessee 37830

Re: Additional RI Wells
U.S. Department of Energy
Feed Materials Production
Center
Fernald, Ohio
OH6 890 008 976

File
RI FS
Wells
OCT 17 3 43 PM '88
BOGAR
OHIO

Dear Mr. Reafsnyder:

The United States Environmental Protection Agency (U.S. EPA) would like to acknowledge the receipt of your September 28, 1988, letter regarding a proposal for additional monitoring wells for the United States Department of Energy's (U.S. DOE) Feed Material Production Center Remedial Investigation. U.S. DOE requested a response to the well proposal by September 4, 1988. U.S. EPA's comments were presented in an October 4, 1988, telephone conference with Mary Stone and Margaret Wilson and U.S. DOE contractors. This letter reiterates what was presented in that teleconference.

A modification to the well proposal was made by U.S. DOE during the teleconference and includes the following:

- U.S. DOE requested that well 2054 be dropped from the September 28, 1988 proposal. This is a 200-series well at the location formally known as Argonne B.
- Adding a 200-series well at a new location, at the southeast corner of Plant 6.

U.S. EPA has the following comments on U.S. DOE's modification to the September 28, 1988, proposal:

- (1) A monitoring well should still be installed at the 054 location (well 2054).
- (2) U.S. EPA agrees with the proposal of an additional 200-series well at the southeast corner of Plant 6.

U.S. EPA also approves the September 28, 1988, proposal for additional wells with the following conditions:

- (1) A 100-series well should be installed at location 068 (well number 1068).
- (2) A 100-, 200-, and 300-series well should be installed at a new location, 500 to 700 feet east of well location 054 and 500 feet south of well location 064.
- (3) A 400-series well should be installed at location 051 (well number 4051).
- (4) A 400-series well should be installed at location 010 (well number 4010).
- (5) Nitrate, chloride, total dissolved solids, and non-uranium radionuclide concentration maps from Round 1 should be submitted to U.S. EPA and the Ohio Environmental Protection Agency as discussed in our August 24, 1988, groundwater meeting.
- (6) Additional borings, piezometers, and/or wells are required in the production area and a proposal for such should be included in the suspect and production area investigation. A proposal for borings, piezometers, and/or wells for Plant 6 should be made after the review of sample analysis from the proposed borings.
- (7) The first water encountered during the installation of each of the preliminary Plant 6 borings should be sampled through the hollow-stem auger and analyzed for hazardous substances, indicator parameters, and water quality parameters.

Please contact me at (312 or FTS) 886-4436, if you have any questions regarding this matter.

Sincerely,



Catherine McCord
RCRA Enforcement Branch

cc: Graham Mitchell, OEPA-SWDO
Rich Bendula, OEPA-SWDO
Michael Savage, OEPA-CO
Mary Stone, U.S. DOE
~~M. Bruce Boswell, Westinghouse~~