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**REMEDIAL INVESTIGATION/FEASIBILITY
STUDY (RI/FS) GROUNDWATER DATA**

2-13-91

DOE/USEPA

DOE-747-91

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LETTER

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Department of Energy

FMPC Site Office
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FEB 13 1991

DOE-747-91

Ms. Catherine A. McCord
Remedial Project Director
U. S. Environmental Protection Agency
Region V- 5HR-12
230 South Dearborn Street
Chicago, IL 60604

Dear Ms. McCord:

REMEDIAL INVESTIGATION/FEASIBILITY STUDY (RI/FS) GROUNDWATER DATA

Reference: Letter, C. A. McCord to A. P. Avel, "Operable Unit #5 -
Groundwater U. S. DOE - Fernald OH6 890 008 976," dated January
1060
u-007-707
17, 1991

Enclosed are responses to the U. S. EPA comments/requests as outlined in the referenced letter. Also enclosed is a copy of FMPC groundwater data as requested.

DOE proposes to send monthly updates to this information concurrent with the transmittal of the Consent Agreement Monthly Report. The monthly updates will include new groundwater data, monthly water elevation data and any other pertinent information obtained during the previous month.

If you have any questions, or experience any problems with receiving the monthly updates, please contact me at FTS 774-6159.

Sincerely,

Jack R. Craig
FMPC Remedial Action
Project Director

DP-84:Craig

Enclosures: As stated

cc w/encl.:

G. E. Mitchell, OEPA-Dayton
E. Schuessler, PRC

cc w/o encl.:

R. P. Whitfield, EM-40, FORS
K. A. Hayes, EM-422, GTN
W. D. Adams, EW-90, ORO
P. J. Gross, SE-31, ORO
W. E. Muno, 5HR-13, USEPA-V
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S. M. Peterman, WMCO
J. D. Wood, ASI

EXHIBIT A - SPECIFIC EPA COMMENTS AND CORRESPONDING RESPONSES

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<u>Problem</u>	<u>Response</u>
1. The lack of groundwater quality data.	We have provided all RI/FS groundwater quality data that we have received from the laboratory. As an addendum to the 4th quarter, 1990 update, we will provide RCRA, FMPC EM Groundwater Monitoring data, and any additional RI/FS Groundwater analyses recently received from the laboratory.
2. Erroneous and missing water elevation data:	
A. May 1990: Wells 2068, 3068 July 1990: Wells 2043, 2068, 2120	There were errors in transcription of data and corrections were made to the database on 1/8/91. This data will be included in the new transmission.
B. May 1990: Well 3018	This well has had a history of questionable water level measurements. We suggest using data from well 2018.
May 1990: Well 3054	The monthly field reading from 3054 appears to be erroneous, and there is no way to remeasure the well for that month.
May 1990: Wells 3094, 3107, 3391	The readings for these wells are correct. High water levels were observed in many wells in May, 1990 due to flooding of the Great Miami River and Paddys Run Creek, in addition to above-average rainfall during the spring.
June: Well 2033	The monthly field reading for Well 2033 appears to be erroneous, and there is no way to remeasure the well for that month.
June 1990: Well 3094	The reading is correct. Flooding from the Great Miami River and Paddys Run Creek has passed and is no longer influencing the well.

<u>Problem</u>	<u>Response</u>
	The information for these wells for the months specified was included in the 3rd quarter update diskette.
C. June 1990: Well 3127 July 1990: Wells 2387, 3043, 3127	Result of a report generation programming error: the calculation of the water elevations were incorrect. The error has been corrected and a new transmission will be sent.
D. Missing data for Wells: 1004, 1010, 1011, 1021, 1029, 1031, 1032, 1034, 1038, 1073, 1074, 1075	Result of a report generation programming error: the program was not looking for information from these specific wells. The program error has been corrected and a new transmission will be sent.
E. Missing data for Wells: 1114, 1115	These were plugged and abandoned borings; therefore, no readings taken.
3. An incomplete description of sampling locations:	
A. No depth description is provided for subsurface soil samples collected at Location 075	The samples specified for Location 075 were drum cutting samples that were in the area of Well 1075. More accurate specifications will be made on the field forms and then the changes will be made on the database.
B. No north or east coordinates are provided for surface water samples	Surveying information such as coordinates and location descriptions are not on sample collection logs for surface water; however, this information can and will be added to the database A.S.A.P. and included in a future transmission.
C. No "Log-Location" descriptions are provided for several surface water samples	

EXHIBIT A - SPECIFIC EPA COMMENTS AND CORRESPONDING RESPONSES

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<u>Problem</u>	<u>Response</u>
D. No record of samples' descriptions are provided for many surface water samples in the sample description file, even though analytical results are presented for these surface water samples	Again, the result of a report generation programming error. The report program did not pull any data that was verified during the 3rd and 4th quarters of 1990. This error also has been corrected and the data will be included in the new transmission of the 3rd and 4th quarters of 1990.
4. Samples that are held by the lab for extraordinarily lengthy periods of time (over 1000 days)	There are a few random samples for which no laboratory results exist on the database. We are resolving these instances in which we received hard copy reports without the electronic transfer, so that we can get this data on the database as soon as possible.