

7541

G-000-1012.187

**OHIO EPA RESULTS OF RESIDENTIAL WELL SAMPLING**

03/05/96

OEPA  
29  
LETTER

DOE-FN

**Southwest District Office**401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

FERNALD

LOG J-1327

MAR 8 10 55 AM '96

George V. Voinovich  
Governor

March 5, 1996

FILE: \_\_\_\_\_

LIBRARY: \_\_\_\_\_

RE: FERNALD

ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Norman Knollman

Knollman Farms, Inc.  
7218 Willey Road  
Hamilton, Ohio 45013

Dear Mr. Knollman:

This letter is to provide you with the analytical results of the water samples from your well collected by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, during the months of October, November, and December, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

Analytical results are expressed in concentrations of micrograms per liter (ug/l) on the water analyses. These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However, for total uranium USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same. Please note that Ohio EPA will continue to sample your well, however we will be going to a **quarterly rotation** rather than monthly. Samples will be collected in the months of January, April, July and October.

000001



Ohio EPA's Results From Residential Wells

March 5, 1996

Page 2

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 285-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000002

THERMO NUTEC  
ROSS ANALYTICAL SERVICES

9511010-01

BOK-14

## DATA SHEET

SDG/Version <u>9511010</u>	Client/Case no <u>Ross Analytical</u>	<u>FERNALD</u>
Contact <u>Chandra Bales</u>	Contract _____	
Lab sample id <u>9511010-01</u>	Client sample id <u>BOK-14</u>	
Dept sample id _____	Location/Matrix _____	<u>WATER</u>
Received <u>10/27/95</u>	Collected/Volume/Basis <u>10/25/95</u>	<u>1060 ML</u>
% moisture _____	Custody/SAS no/Level _____	

ANALYTE	CAS NO	RESULT pCi/l	2 $\sigma$ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>0.030</u>	0.070	<u>0.030</u>	0.10		TU

## Preliminary Report

DATA SHEETS

Page 1

SUMMARY DATA SECTION

Page 12

Lab id <u>ABQ</u>
Protocol <u>-</u>
Version <u>1</u>
Form <u>DVD-DS</u>
Version <u>3.08</u>
Report date <u>12/07/95</u>

000003

HERMO NUTECH  
ROSS ANALYTICAL SERVICES

9512011-04

~~BOK-14~~

DATA SHEET

SDG/Version 9512011 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9512011-04 Client sample id BOK-14  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/01/95 Collected/Volume/Basis 11/29/95 1048 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<del>0.071</del>	0.071	0.030	1.0		TU

DATA SHEETS

Page 4

SUMMARY DATA SECTION

Page 16

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 01/19/96

000004

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9601007-01

BOK-14

DATA SHEET

SDG/Version 9601007 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9601007-01 Client sample id BOK-14  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/29/95 Collected/Volume/Basis 12/27/95 1950 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		0.072	0.072	0.030	0.10		TU

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 02/02/96



State of Ohio Environmental Protection Agency

- 7541

**Southwest District Office**

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

George V. Voinovich  
Governor

March 5, 1995

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Ray Evers Welding Company  
Attention: Manager  
4849 Blue Rock Road  
Cincinnati, Ohio 45239

Dear Manager:

This letter is to provide you with the analytical results of the water samples collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, during the months of October and November, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

Analytical results are expressed in concentrations of micrograms per liter (ug/l). These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However, for total uranium USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same. Please note, Ohio EPA will continue to sample your well, however, we will be going to a **quarterly rotation** rather than monthly. Samples will be collected in the months of January, April, July and October.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 284-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000007

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9511010-03

RE-19

DATA SHEET

SDG/Version 9511010 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9511010-03 Client sample id RE-19  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 10/27/95 Collected/Volume/Basis 10/25/95 1064 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pci/l	2σ ERR (TOTAL)	MDA pci/l	RDL pci/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>0.03016</u>	0.003	<u>0.030</u>	0.10	<u>U</u>	TU

Preliminary Report

DATA SHEETS

Page 3

SUMMARY DATA SECTION

Page 14

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 12/07/95

000008

THERMO NUTECF  
ROSS ANALYTICAL SERVICES

9512011-05

RE-19

DATA SHEET

SDG/Version <u>9512011</u>	Client/Case no <u>Ross Analytical</u>	<u>FERNALD</u>
Contact <u>Chandra Bales</u>	Contract _____	
Lab sample id <u>9512011-05</u>	Client sample id <u>RE-19</u>	
Dept sample id _____	Location/Matrix _____	<u>WATER</u>
Received <u>12/01/95</u>	Collected/Volume/Basis <u>12/29/95</u>	<u>1002 ML</u>
% moisture _____	Custody/SAS no/Level _____	

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>0.054</u>	0.006	<u>0.030</u>	1.0	<u>U</u>	TU

DATA SHEETS

Page 5

SUMMARY DATA SECTION

Page 17

000009

Lab id <u>ABQ</u>
Protocol <u>-</u>
Version <u>1</u>
Form <u>DVD-DS</u>
Version <u>3.08</u>
Report date <u>01/19/96</u>

**Southwest District Office**

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

George V. Voinovich  
Governor

March 5, 1996

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Mr. A. J. Nieman

3881 Cincinnati-Brookville Rd.  
Hamilton, Ohio 45013

Dear Mr. Nieman:

This letter is to provide you with the analytical results of the water samples collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, during October, November, and December, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

Analytical results are expressed in concentrations of micrograms per liter (ug/l). These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However, for total uranium USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same. Please note, Ohio EPA will continue to sample your well, however, we will be going to a quarterly rotation rather than monthly. Samples will be collected during the months of January, April, July and October.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 285-6454.

Sincerely,

*Donna J. Bohannon*

Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000011

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9511010-04

NN-04

DATA SHEET

SDG/Version 9511010 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9511010-04 Client sample id NN-04  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 10/27/95 Collected/Volume/Basis 10/25/95 1063 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		0.157	0.036	0.030	0.10		TU

Preliminary Report

DATA SHEETS

Page 4

SUMMARY DATA SECTION

Page 15

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 12/07/95

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9512011-07

NN-04

DATA SHEET

SDG/Version 9512011 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9512011-07 Client sample id NN-04  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/01/95 Collected/Volume/Basis ~~1013 ML~~ 1013 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	MDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<del>0.030</del>	0.057	0.030	1.0		TU

DATA SHEETS

Page 7

SUMMARY DATA SECTION

Page 19

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Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 01/19/96

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9601007-02

NN-04

DATA SHEET

SDG/Version <u>9601007</u>	Client/Case no <u>Ross Analytical</u>	<u>FERNALD</u>
Contact <u>Chandra Bales</u>	Contract _____	
Lab sample id <u>9601007-02</u>	Client sample id <u>NN-04</u>	
Dept sample id _____	Location/Matrix _____	<u>WATER</u>
Received <u>12/29/95</u>	Collected/Volume/Basis <u>12/27/95</u>	<u>1013 ML</u>
% moisture _____	Custody/SAS no/Level _____	

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIBERS	TEST
Total Uranium (ug/l)		<u>0.061</u>		<u>0.030</u>	<u>0.10</u>		TU

Lab id <u>ABQ</u>
Protocol <u>-</u>
Version <u>1</u>
Form <u>DVD-DS</u>
Version <u>3.08</u>
Report date <u>02/02/96</u>

**Southwest District Office**

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

George V. Voinovich  
Governor

March 5, 1996

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Mr. Ronald Poston  
Delta Steel Corporation  
10860 Paddys Run  
Harrison, Ohio 45030

Dear Mr. Poston:

This letter is to provide you with the analytical results of the water samples collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, during the months of October, November, and December, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

The analytical results are expressed in concentrations of micrograms per liter (ug/l). These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However for total uranium, USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb that will come into effect in the future. The analytical results the laboratory reported on your well samples for total uranium from October through December, respectively are 170.0, 160.0, and 160.0 ug/l. Although these values are over the proposed MCL for total uranium (20 ppb), historically, they are within the range of results FERMCO's laboratory has detected through their monthly sampling events.

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same. Please note that Ohio EPA will continue to sample your well, however we will be going to a **quarterly rotation** rather than monthly. Samples will be collected in the months of January, April, July and October.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 285-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh  
enclosures

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000016

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9511010-02

DS-15

DATA SHEET

SDG/Version 9511010 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9511010-02 Client sample id DS-15  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 10/27/95 Collected/Volume/Basis 10/25/95 1070 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>5.7</u>	5.7	<u>1.5</u>	0.10		TU

Preliminary Report

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 12/07/95

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9512011-06

DS-15

DATA SHEET

SDG/Version <u>9512011</u>	Client/Case no <u>Ross Analytical</u>	<u>FERNALD</u>
Contact <u>Chandra Bales</u>	Contract _____	
Lab sample id <u>9512011-06</u>	Client sample id <u>DS-15</u>	
Dept sample id _____	Location/Matrix _____	<u>WATER</u>
Received <u>12/01/95</u>	Collected/Volume/Basis <u>11/29/95</u>	<u>1049 ML</u>
% moisture _____	Custody/SAS no/Level _____	

ANALYTE	CAS NO.	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALIFIERS	TEST
Total Uranium (ug/l)		<u>1.60</u>	5.7	<u>0.90</u>	1.0		TU

000018

Lab id <u>ABQ</u>
Protocol _____
Version <u>1</u>
Form <u>DVD-DS</u>
Version <u>3.08</u>
Report date <u>01/19/96</u>

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9601007-03

7541  
DS-15

DATA SHEET

SDG/Version 9601007 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9601007-03 Client sample id DS-15  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/29/95 Collected/Volume/Basis 12/27/95 1018 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>0.50</u>	5.5	<u>0.90</u>	0.10		TU

Lab id ABQ  
 Protocol - \_\_\_\_\_  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 02/02/96

000019



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

7541

George V. Voinovich  
Governor

March 5, 1996

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM SEPTEMBER  
RESIDENTIAL WELL SAMPLING

Mr. Russell Beckner  
4210 Morgan Ross Rd.  
Hamilton, Ohio 45013

Dear Mr. Beckner:

This letter is to provide you with the analytical results of the water samples collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on October 25, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

The analytical results are expressed in concentrations of micrograms per liter (ug/l). These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However for total uranium, USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb that will come into effect in the future. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to have two separate labs analyze the same sample to see if they set the same, or nearly the same, result. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 284-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000021

7541

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9511010-05

RB-03

DATA SHEET

SDG/Version <u>9511010</u>	Client/Case no <u>Ross Analytical</u>	<u>FERNALD</u>
Contact <u>Chandra Bales</u>	Contract _____	
Lab sample id <u>9511010-05</u>	Client sample id <u>RB-03</u>	
Dept sample id _____	Location/Matrix _____	<u>WATER</u>
Received <u>10/27/95</u>	Collected/Volume/Basis <u>10/25/95</u>	<u>1064 ML</u>
% moisture _____	Custody/SAS no/Level _____	

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<del>0.023</del>	0.003	0.030	0.10	U	TU

Preliminary Report

DATA SHEETS  
Page 5  
SUMMARY DATA SECTION  
Page 16

Lab id <u>ABQ</u>
Protocol <u>-</u>
Version <u>1</u>
Form <u>DVD-DS</u>
Version <u>3.08</u>
Report date <u>12/07/95</u>

000022



7541

State of Ohio Environmental Protection Agency

**Southwest District Office**

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

George V. Voinovich  
Governor

March 5, 1996

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Norman Knollman  
7308 Willey Road  
Hamilton, Ohio 45013

Dear Mr. Knollman:

This letter is to provide you with the analytical results of the water samples from your well collected by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on December 27, 1995. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

Analytical results are expressed in concentrations of micrograms per liter (ug/l) on the water analyses. These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However, for total uranium USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 285-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

ljh

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

000024

7541

THERMO NUTECH  
ROSS ANALYTICAL SERVICES

9601007-04

NKM-26

DATA SHEET

SDG/Version 9601007 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9601007-04 Client sample id NKM-26  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/29/95 Collected/Volume/Basis 12/27/95 1016 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<u>0.039</u>	0.006	<u>0.030</u>	0.10	<u>J</u>	TU

Lab id ABQ  
 Protocol -  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 02/02/96

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**Southwest District Office**

401 East Fifth Street  
Dayton, Ohio 45402-2911  
(513) 285-6357  
FAX (513) 285-6249

George V. Voinovich  
Governor

March 5, 1996

RE: FERNALD  
ENVIRONMENTAL MONITORING  
OHIO EPA RESULTS FROM  
RESIDENTIAL WELL SAMPLING

Verdie Estes

7673 Willey Road  
Hamilton, Ohio 45013

Dear Mr. Estes:

This letter is to provide you with the analytical results of the water samples from your well collected by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on November 29, 1996. The split sampling efforts between Ohio EPA and the Fernald Environmental Restoration Management Corporation (FERMCO) are a part of an Agreement in Principle (AIP). The AIP is an agreement between the Department of Energy (DOE) and the State of Ohio to provide independent oversight and conduct environmental monitoring.

Analytical results are expressed in concentrations of micrograms per liter (ug/l) on the water analyses. These units are equivalent to parts per billion (ppb). The samples collected from your well were analyzed for total uranium and total metals. The U.S. Environmental Protection Agency (USEPA) has set drinking water standards, or maximum contaminant levels (MCL), for some metals (see attached definitions). However, for total uranium USEPA has established a proposed enforceable standard of 20 ug/l or 20 ppb. All parameters tested from your well water samples were below the maximum contaminant levels (see attached results).

The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same.

If you have any questions concerning this letter, or if I can be of any further assistance, please do not hesitate to contact me at (513) 285-6453 or Kelly Kaletsky at (513) 285-6454.

Sincerely,



Donna J. Bohannon  
Environmental Monitoring Coordinator  
Office of Federal Facilities Oversight

djb

cc: Pat Kraps, FERMCO, w/attachment  
Wally Quaider, DOE, w/attachment  
Kelly Kaletsky, OEPA/OFFO, w/o attachment

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THERMO NUTECH  
ROSS ANALYTICAL SERVICES

7541

9512011-08

VE-11

DATA SHEET

SDG/Version 9512011 Client/Case no Ross Analytical FERNALD  
 Contact Chandra Bales Contract \_\_\_\_\_  
 Lab sample id 9512011-08 Client sample id VE-11  
 Dept sample id \_\_\_\_\_ Location/Matrix \_\_\_\_\_ WATER  
 Received 12/01/95 Collected/Volume/Basis 12/29/95 1051 ML  
 % moisture \_\_\_\_\_ Custody/SAS no/Level \_\_\_\_\_

ANALYTE	CAS NO	RESULT pCi/l	2σ ERR (TOTAL)	MDA pCi/l	RDL pCi/l	QUALI- FIERS	TEST
Total Uranium (ug/l)		<del>0.015</del>	0.057	0.030	1.0		TU

Lab id ABQ  
 Protocol - \_\_\_\_\_  
 Version 1  
 Form DVD-DS  
 Version 3.08  
 Report date 01/19/96

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