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G-000-1012.140

**FERNALD ENVIRONMENTAL MONITORING OHIO EPA RESULTS FROM
RESIDENTIAL WELL SAMPLING**

07/14/95

**OEPA
15
LETTER**

CITIZENS



State of Ohio Environmental Protection Agency

Southwest District Office

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

7034

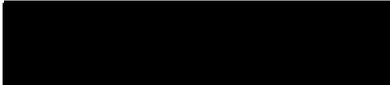
FERNALD
LOG I-3022
JUL 17 12 50 AM '95
FILE:
LIC/10/10/

George V. Voinovich
Governor

July 14, 1995

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

Mr. Frank Lienesch



Dear Mr. Lienesch:

This letter is to provide you with the analytical results of the water sample collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on April 26, 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 sample collected from your well was 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 sample was 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.

1

Ohio EPA's Results From Residential Wells

July 14, 1995

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) 284-6454.

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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George V. Voinovich
Governor

July 14, 1995

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

Mr. James Rolfes



Dear Mr. Rolfes:

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 May 24, 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 sample collected from your well was 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 sample was 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.

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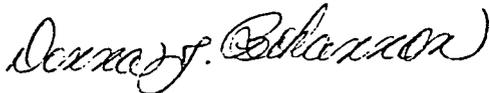
Ohio EPA's Results From Residential Wells

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Sincerely,



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

djb

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Wally Quaider, DOE, w/attachment
Kelly Kaletsky, OEPA/OFFO, w/o attachment



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July 14, 1995

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

Mr. A. J. Nieman


Dear Mr. Nieman:

This letter is to provide you with the analytical results of the water sample collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on April 26, 1995 and May 24, 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.

Ohio EPA's Results From Residential Wells

July 14, 1995

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Sincerely,



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

djb

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Wally Quaider, DOE, w/attachment
Kelly Kaletsky, OEPA/OFFO, w/o attachment



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July 14, 1995

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 sample from your well collected by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on April 26, 1995 and May 24, 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.

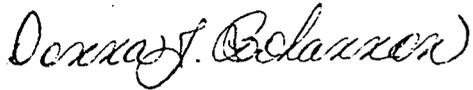
Ohio EPA's Results From Residential Wells

July 14, 1995

Page 2

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Sincerely,



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

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Wally Quaider, DOE, w/attachment
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July 14, 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, on April 26, 1995 and May 24, 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).

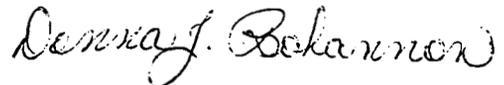
The purpose of split sampling is to check the quality of the laboratories' analyses by comparing both parties' sample results. This process ensures that the results reported are accurate. Once FERMCO receives their results, Ohio EPA will make the comparison and you can do the same.

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Ohio EPA's Results From Residential Wells
July 14, 1995
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) 284-6454.

Sincerely,



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

djb

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- Wally Quaider, DOE, w/attachment
- Kelly Kaletsky, OEPA/OFFO, w/o attachment



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Governor

July 14, 1995

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

Mr. Ronald Poston
Delta Steel Corporation
P.O. Box 39040
Cincinnati, Ohio 45239-0040

Dear Mr. Poston:

This letter is to provide you with the analytical results of the water sample collected from your well by Ohio EPA's Office of Federal Facilities Oversight staff, Southwest District Office, on April 26, 1995 and May 24, 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 result the laboratory reported on your well sample for total uranium is 155 ug/l on May 31, 1995 and 176 ug/l on June 22, 1995. 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. Also, Ohio EPA will continue to sample your well monthly and continue to compare both labs' analytical results.

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Ohio EPA's Results From Residential Wells

July 14, 1995

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

djb

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

ENVIRONMENTAL TERMS - DEFINITIONS

Maximum Contaminant Level (MCL): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards.

Maximum Contaminant Level Goals (MCLGs): A non-enforceable concentration of a drinking water contaminant that is protective of adverse human health effects and allows an adequate margin of safety.

Action Level (AL): A level of a chemical that requires installation of treatment techniques for lowering the contaminant level.

Detection Limit (DL): The detection limit is the lowest level of a chemical that can be distinguished from the normal "noise" of an analytical instrument or method.

Milligrams per Liter (mg/l): A unit used to measure analytical results in concentrations which are equivalent to parts per million (ppm).

Micrograms per Liter (ug/l): A unit used to measure analytical results in concentrations which are equivalent to parts per billion (ppb).

PicoCuries per Liter (pC/l): A unit of measurement for radioactivity. A picocurie is a trillionth of a curie, and represents about 2.2 radioactive particle disintegrations per minute.

7034



REPORT OF ANALYSIS

CUSTOMER: Ross Analytical Services, Inc.
 ATTENTION: Lisa Alexander
 ADDRESS: 16443 Foltz Industrial PKWY
 CITY: Strongsville, OH 44136
 W.O. NO.: 95-05-001

Water - Total Uranium Site: Fernald 04/28/95
 TYPE OF ANALYSIS CUSTOMER ORDER NUMBER SAMPLES RECEIVED

RECEIVED
 O EPA
 JUN 12 1995
 SOUTHWEST DISTRICT

Customer Identification	Date Collected	Type of Analysis	Sample Vol (ml)	ug/l
BOK-14-02	04/26/95	TU	1065	2.1
RE-19-03	04/26/95	TU	1066	<0.1
DS-15-05	04/26/95	TU	1045	155
NN-04-01	04/26/95	TU	1058	1.6
FL-33-04	04/26/95	TU	1051	0.5
BBW-03-01	04/26/95	TU	1055	1.7
PDD-10-05	04/26/95	TU	1065	337
PDS-10-04	04/26/95	TU	1057	9.0
PRB-09-03	04/26/95	TU	1058	2.0
PWB-07-02	04/26/95	TU	1056	4.6
PSF-11-06	04/26/95	TU	1065	4.9

Results

REPORTED VIA TELEPHONE FAX PAGE 1 OF 1

TMA Eberline
Thermo Analytical Inc.
 7021 PAN AMERICAN FREEWAY, N.E.
 ALBUQUERQUE, NEW MEXICO 87109
 PHONE (505) 345-3461
 FAX (505) 761-5416

APPROVED BY Mary Kamoss, Data Analyst
Mary Kamoss 5/22/95 14 DATE

4807

Total Uranium
ATSM Method D5174

Sample ID	Collection Date	Sample Vol(ml)	Date of Analysis	Analyst	ug/l	MDA ug/l	Required MDA ug/l
BOK-14-01	5/24/95	1057	6/8/95	JC	2.0	0.003	0.1
RE-19-03	5/24/95	1062	6/8/95	JC	0.0073	0.003	0.1
DS-15-04	5/24/95	1055	6/8/95	JC	1763	0.003	0.1
NN-04-05	5/24/95	1064	6/8/95	JC	2.3	0.003	0.1
R-36-02	5/24/95	1057	6/8/95	JC	1.1	0.003	0.1
BBW-03-06	5/24/95	1029	6/8/95	JC	1.8	0.003	0.1
PDD-10-03	5/24/95	1048	6/8/95	JC	524.0	0.003	0.1
PDS-10-02	5/24/95	1042	6/8/95	JC	8.0	0.003	0.1
PRB-09-04	5/24/95	1045	6/8/95	JC	1.8	0.003	0.1
PWB-07-05	5/24/95	1034	6/8/95	JC	4.2	0.003	0.1
PSF-11-01	5/24/95	1043	6/8/95	JC	4.1	0.003	0.1
Duplicate RE-19-03	5/24/95	1062	6/8/95	JC	0.0	0.003	0.1
Blank			6/8/95	JC	-0.002	0.003	
Spike Known Value 0.50			6/8/95	JC	0.49	0.003	
Standard Known Value 5.00					4.87	0.003	

Received in good condition 05/25/95.

Results