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G-000-1012.154

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

11/28/95

**OEPA
10
LETTERS**

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

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DEC 1 11 33 AM '95

George V. Voinovich
Governor

November 28, 1995

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

Best Panel Homes
11301 Paddys Run Rd.
Harrison, Ohio 45030

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 August 23, 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.

Water
Total Uranium (by KPA)
Reference Method No. D-5174 (ASTM, 1995)

Sample ID	Collection Date	Sample Vol(ml)	Date of Analysis	Analyst	Analyte	ug/l	MDA ug/l	Requested MDA (ug/l)
BPH-10-01 (Ground Water)	8/23/95	1015	10/3/95	JC	TU	0.43	0.003	0.1
NN-04-02 (Ground Water)	8/23/95	1049	10/3/95	JC	TU	1.69	0.03	0.1
BOK-14-03 (Ground Water)	8/23/95	1063	10/3/95	JC	TU	2.10	0.03	0.1
RE-19-04 (Ground Water)	8/23/95	1043	10/3/95	JC	TU	0.01	0.003	0.1
DS-15-05 (Ground Water)	8/23/95	1055	10/3/95	JC	TU	155.96	0.03	0.1
Duplicate NN-04-02 (Ground Water)	8/23/95	1049	10/3/95	JC	TU	1.71	0.03	0.1
Blank			10/3/95	JC	TU	-0.04	0.003	0.1
Spike Known Value 0.50			10/3/95	JC	TU	0.49	0.003	

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RE: FERNALD
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OHIO EPA RESULTS FROM
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Mr. A. J. Nieman



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, on August 23, 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.

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RE: FERNALD
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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, August 23, 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.

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Total Uranium (by KPA)
 Reference Method No. D-5174 (ASTM, 1995)

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OHIO EPA RESULTS FROM
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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 August 23, 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.

Water
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OHIO EPA RESULTS FROM
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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, on August 23, 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 155.96 ug/l on October 16, 1995. Although this value is over the proposed MCL for total uranium (20 ppb), historically, it is 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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