

7202

G-000-1012.149

RESULTS OF WELL SAMPLING (MULTIPLE LETTERS)

09/28/95

DOE-1493-95
DOE-FN CITIZENS
61
LETTERS



7202

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Best Panel Homes
ATTN: Manager

Dear Sir:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your wells at the commercial and rental property were sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachments I & II provide results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample from the commercial property exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	112.900	125.900	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	0.0888	1.000 ^c
Iron	3.303	2.916	0.300 ^d
Lead	0.0035	0.0031	0.015 ^c
Magnesium	28.400	30.000	N/A ^e
Manganese	0.2779	0.2803	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	11.530	11.280	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

Best Panel Homes

 ATTACHMENT II
 11301 Paddys Run Road

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) 1994	(mg/L) 1995	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	112.900	88.590	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	0.0487	1.000 ^c
Iron	3.303	<0.100	0.300 ^d
Lead	0.0035	0.006	0.015 ^c
Magnesium	28.400	24.920	N/A ^e
Manganese	0.278	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	11.530	16.030	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques and not standards determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Southwestern Ohio Water Company
ATTN: Mr. Frank Divo



Dear Mr. Divo:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Southwestern Ohio Water Company's wells were sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachments I and II provide results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The manganese concentrations in your samples exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid

Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1993</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	78.410	101.600	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.100	<0.100	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	27.390	29.500	N/A ^e
Manganese	0.1085	0.151	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	18.430	23.250	N/A ^e
Zinc	0.0408	0.021	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

Southwestern Ohio
Water Company

ATTACHMENT II
SW 1-9

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	76.890	78.500	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	<0.003	0.0036	0.015 ^c
Magnesium	26.890	28.460	N/A ^e
Manganese	0.2233	0.243	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.050	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	32.900	37.130	N/A ^e
Zinc	0.0227	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Mrs. Doris Turner
[REDACTED]

Dear Mrs. Turner:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your barn and house wells were sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachments I and II provide results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The manganese concentrations in your samples exceed the secondary water standards. This element is naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly and quarterly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	5.053	94.690	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	0.143	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	5.000	25.740	N/A ^e
Manganese	<0.015	0.0726	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	167.620	6.153	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
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- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

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D. Turner

ATTACHMENT II
House

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	<5.000	93.870	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	0.219	0.300 ^d
Lead	0.005	<0.003	0.015 ^c
Magnesium	<5.000	25.740	N/A ^e
Manganese	<0.015	0.0804	0.050 ^d
Nickel	<0.040	<0.040	N/A ^e
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	114.500	5.861	N/A ^e
Zinc	0.0335	<0.020	5.000 ^d

a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.

b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.

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d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Renck's Nursery
Mr. Thomas Renck

Dear Mr. Renck:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your house and barn wells were sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachments I and II provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

A handwritten signature in cursive script that reads "Walter J. Quaid".

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

000010

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	114.300	120.500	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0048	<0.003	0.015 ^c
Magnesium	32.400	31.750	N/A ^e
Manganese	5.000	0.0456	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	7.488	7.408	N/A ^e
Zinc	0.0232	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
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- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

Renck's Nursery

ATTACHMENT II
House

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	118.600	118.100	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	32.280	30.410	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.050	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	8.706	10.760	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Joe Langley

Dear Mr. Langley:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

A handwritten signature in cursive script that reads "Walter J. Quaider".

Walter J. Quaider
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	128.600	128.700	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	0.100	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	26.860	26.330	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	22.920	24.540	N/A ^e
Zinc	0.109	0.128	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Delta Steel
ATTN: Mr. Ronald Poston

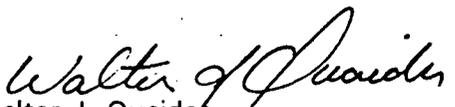
Dear Mr. Poston:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	66.570	83.020	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.055	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0042	<0.003	0.015 ^c
Magnesium	20.270	21.350	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	12.280	14.160	N/A ^e
Zinc	0.0226	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Welch Sand & Gravel
ATTN: Mr. James Welch



Dear Mr. Welch:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Gravel pit surface water was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

ATTACHMENT I
Gravel Pit Surface Water
11489 Hamilton-Cleves Road

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	50.070	73.310	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.1587	0.197	0.300 ^d
Lead	0.003	<0.003	0.015 ^c
Magnesium	24.620	29.270	N/A ^e
Manganese	<0.015	0.0165	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	9.525	9.365	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Ray Evers Welding
ATTN: Manager

Dear Sir:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Qualder
Walter J. Qualder
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	0.063	0.043	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	64.040	58.120	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	10.570	1.143	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	41.650	50.770	N/A ^e
Manganese	0.2405	0.240	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	61.210	70.070	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	33.080	23.140	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Ruetgers Nease, Inc.
ATTN:Mr. Noah Pope



Dear Mr. Pope:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

8085

Rutgers Nease Inc.

ATTACHMENT I

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	0.011	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	95.050	100.300	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.7697	0.576	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	22.670	23.900	N/A ^e
Manganese	0.2908	0.266	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	7.611	7.138	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	5.316	5.248	N/A ^e
Zinc	0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques; not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

000022



7202
Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mrs. Ruth Sellet
[REDACTED]

Dear Mrs. Sellet:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The manganese concentration in your sample exceeds the secondary water standards. This element is naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	159.600	225.800	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	0.154	1.300 ^c
Iron	0.1674	0.143	0.300 ^d
Lead	0.0032	<0.003	0.015 ^c
Magnesium	27.960	33.740	N/A ^e
Manganese	<0.015	0.129	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	42.750	74.000	N/A ^e
Zinc	<0.020	0.0623	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



7202

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Joe Shomaker



Dear Mr. Shomaker:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	101.300	109.800	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	32.890	35.690	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	N/A ^e
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.050	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	30.940	35.590	N/A ^e
Zinc	0.113	0.0727	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Ms. Verdie Estes



Dear Ms. Estes:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment-1 provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	80.560	79.300	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.062	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0053	0.0042	0.015 ^c
Magnesium	22.500	22.370	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	9.734	15.710	N/A ^e
Zinc	0.2122	0.154	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. James Rolfes
[REDACTED]

Dear Mr. Rolfes:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.010	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	129.000	135.200	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.172	<0.025	1.300 ^c
Iron	<0.100	0.185	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	26.440	25.100	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.050	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	16.360	14.850	N/A ^e
Zinc	0.0618	0.0446	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



E 7209

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Ms. Pamela Dunn
[REDACTED]

Dear Ms. Dunn:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our quarterly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	7.001	8.236	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.1596	<0.100	0.300 ^d
Lead	0.004	<0.003	0.015 ^c
Magnesium	<5.000	<5.000	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	14.040	<5.000	N/A ^e
Zinc	4.183	4.812	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels; July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. A. J. Nieman



Dear Mr. Nieman:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaidler
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	100.400	133.600	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.0266	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0036	<0.003	0.015 ^c
Magnesium	56.690	63.940	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	44.380	52.980	N/A ^e
Zinc	0.0586	0.0733	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

E 7202

SEP 28 1995
DOE-1493-95

Miami Valley Ready Mix
ATTN: Mr. Loyd Smith



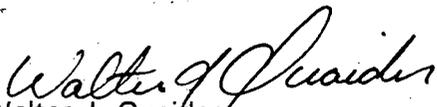
Dear Mr. Smith:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	100.400	107.900	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.457	2.005	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	24.450	25.570	N/A ^e
Manganese	0.2356	0.239	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	8.878	9.852	N/A ^e
Zinc	0.0223	0.0535	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Mr. Michael Lienesch
[REDACTED]

Dear Mr. Lienesch:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron concentration in your sample exceeds the secondary water standards. This element is naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our quarterly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

000037

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	<5.000	135.500	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	1.269	0.300 ^d
Lead	0.0032	<0.003	0.015 ^c
Magnesium	<5.000	34.130	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	211.800	7.877	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

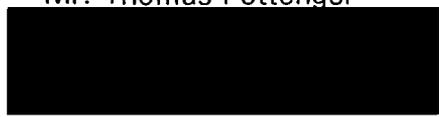
<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Thomas Pottenger



Dear Mr. Pottenger:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well at [redacted] was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

000033

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	121.900	121.300	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0055	<0.003	0.015 ^c
Magnesium	32.930	31.410	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	N/A ^e
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	27.720	20.160	N/A ^e
Zinc	0.0498	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1992.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1992.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1992.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1992. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



- 7202

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Branch Hill Mobile Home Park
ATTN: Manager



Dear Sir:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring. Secondary drinking standards establish guidelines for the aesthetic qualities of drinking water and may pose a risk to human health only at considerably higher concentrations. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	131.800	143.680	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.038	<0.025	1.000 ^c
Iron	2.392	2.106	0.300 ^d
Lead	0.0047	<0.003	0.015 ^c
Magnesium	34.630	36.600	N/A ^e
Manganese	0.374	0.329	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	0.0092	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	80.250	98.720	N/A ^e
Zinc	0.0345	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



7202

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Norman Knollman
Knollman Farms, Inc.
7312 Willey Road
Hamilton, Ohio 45013

Dear Mr. Knollman:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your wells at the farm and 7308 Willey Road were sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachments I, II, and III provide results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

Several of the metal concentrations exceed the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA) in the various wells. Cadmium and lead concentrations exceed the primary standards and iron, manganese, and zinc exceed the secondary standards in the old shallow well. Note that this well is used for monitoring purposes only. The iron and manganese concentrations in the new deeper well and at the farm well exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water.

Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program. If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

2057

Knollman Farms, Inc.

ATTACHMENT I
Old Shallow Well

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	0.015	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	0.012	0.005 ^b
Calcium	76.300	85.140	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	0.0508	1.300 ^c
Iron	2.525	31.370	0.300 ^d
Lead	0.012	0.1965	0.015 ^c
Magnesium	18.970	21.320	N/A ^e
Manganese	0.191	0.144	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	10.940	13.630	N/A ^e
Zinc	0.625	6.115	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques; not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	93.300	102.900	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	3.577	4.607	0.300 ^d
Lead	<0.003	0.003	0.015 ^c
Magnesium	22.380	24.960	N/A ^e
Manganese	0.2975	0.330	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	9.740	12.090	N/A ^e
Zinc	0.0219	0.0614	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

ATTACHMENT III
Farm Well

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	126.900	146.200	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	0.7427	0.664	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	34.390	41.900	N/A ^e
Manganese	0.342	0.434	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	8.431	101.040	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	18.750	20.360	N/A ^e
Zinc	0.022	0.182	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Ms. Ann Harrigan
[REDACTED]

Dear Ms. Harrigan:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid

Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.100	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	131.800	143.680	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.038	<0.025	1.000 ^c
Iron	2.392	2.106	0.300 ^d
Lead	0.0047	<0.003	0.015 ^c
Magnesium	34.630	36.600	N/A ^e
Manganese	0.374	0.329	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	0.0092	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	80.250	98.720	N/A ^e
Zinc	0.0345	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1992.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

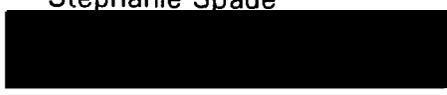
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Stephanie Spade



Dear Ms. Spade:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our quarterly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	112.900	88.590	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	0.0487	1.000 ^c
Iron	3.303	<0.100	0.300 ^d
Lead	0.0035	0.006	0.015 ^c
Magnesium	28.400	24.920	N/A ^e
Manganese	0.278	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	11.530	16.030	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques and not standards determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Clayton Burton



Dear Mr. Burton:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) <u>1994</u>	(mg/L) <u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	82.840	104.900	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	2.833	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	20.730	28.280	N/A ^e
Manganese	0.0854	0.220	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	13.230	9.270	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Denier Electric
ATTN: Manager



Dear Sir:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron and manganese concentrations in your sample exceed the secondary water standards. These elements are naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

000053

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	101.200	110.700	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	2.558	2.981	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	24.880	26.350	N/A ^e
Manganese	0.2237	0.233	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	10.110	11.540	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



7202

Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Donald Gieringer
[REDACTED]

Dear Mr. Gieringer:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The manganese concentration in your sample exceeds the secondary water standard. This element is naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	97.120	92.400	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.0258	<0.025	1.300 ^c
Iron	2.605	<0.100	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	25.650	22.440	N/A ^e
Manganese	0.2736	0.0641	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	3.430	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	8.177	15.750	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

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7202



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Mr. Frank Lienesch



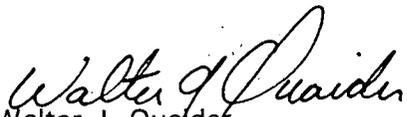
Dear Mr. Lienesch:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Qualder
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L)	(mg/L)	
	<u>1994</u>	<u>1995</u>	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	98.840	123.800	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	0.185	0.110	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.005	<0.003	0.015 ^c
Magnesium	26.730	31.900	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	9.216	9.000	N/A ^e
Zinc	<0.020	0.0338	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Ms. Nancy Riggs

Dear Ms. Riggs:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) 1994	(mg/L) 1993	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	121.900	121.300	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0055	<0.003	0.015 ^c
Magnesium	32.930	31.410	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	N/A ^e
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	27.720	20.160	N/A ^e
Zinc	0.0498	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1992.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1992.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1992.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1992. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.
- <: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.

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Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

SEP 28 1995
DOE-1493-95

Ms. Darlene Ramsey



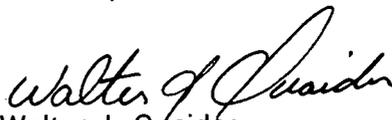
Dear Ms. Ramsey:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary and secondary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,


Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) 1994	(mg/L) 1993	
Arsenic	<0.050	<0.010	0.050 ^a
Barium	<0.200	<0.200	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	121.900	121.300	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	<0.100	<0.100	0.300 ^d
Lead	0.0055	<0.003	0.015 ^c
Magnesium	32.930	31.410	N/A ^e
Manganese	<0.015	<0.015	0.050 ^d
Nickel	<0.040	<0.040	N/A ^e
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	27.720	20.160	N/A ^e
Zinc	0.0498	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1992.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1992.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1992.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1992. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

<: The "less than" symbol (<) indicates that the laboratory was unable to detect this particular metal in your water. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e., <0.04 means the laboratory can only detect as low as 0.04 mg/L and your water sample may contain 0.0 to 0.04 mg/L of that metal.



Department of Energy
Fernald Environmental Management Project
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

7202

SEP 28 1995
DOE-1493-95

Mr. Russel Beckner

Dear Mr. Beckner:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation of Ohio (FERMCO). Your well was sampled for certain metals as part of our continuing Environmental Monitoring Program in July 1995. Attachment I provides results from the 1994 and 1995 metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standard is also provided where applicable.

All of the results are within the recommended primary drinking water guidelines established by the Department of Energy and the U.S. Environmental Protection Agency (USEPA). The iron concentration in your sample exceeds the secondary water standards. This element is naturally occurring and may pose a health risk only at considerably higher concentrations. Secondary standards establish guidelines only for the aesthetic qualities of drinking water. Environmental Monitoring will continue to provide you with the results from our monthly sampling of your well water as part of the routine collection program.

If you have any questions regarding the results reported to you in this letter or on any aspect of the environmental program, please contact me by phone (513-648-3137) at your convenience.

Sincerely,

Walter J. Quaid
Deputy Associate Director
Office of Safety & Assessment Support

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TYPE OF METAL	CONCENTRATION		STANDARD
	(mg/L) 1994	(mg/L) 1995	
Arsenic	<0.050	0.0131	0.050 ^a
Barium	0.434	0.475	2.000 ^b
Cadmium	<0.005	<0.005	0.005 ^b
Calcium	75.550	80.220	N/A ^e
Chromium	<0.010	<0.010	0.100 ^b
Copper	<0.025	<0.025	1.300 ^c
Iron	3.417	2.541	0.300 ^d
Lead	<0.003	<0.003	0.015 ^c
Magnesium	22.450	23.000	N/A ^e
Manganese	0.0176	0.016	0.050 ^d
Nickel	<0.040	<0.040	0.100 ^b
Potassium	<5.000	<5.000	N/A ^e
Selenium	<0.005	<0.005	0.050 ^b
Silver	<0.010	<0.010	0.100 ^d
Sodium	28.720	30.330	N/A ^e
Zinc	<0.020	<0.020	5.000 ^d

- a. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart B - Maximum Contamination Levels, July 1, 1994.
- b. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart G - National Revised Primary Drinking Water Regulations: Maximum Contamination Levels, July 1, 1994.
- c. Code of Federal Regulations, Title 40, Part 141, National Primary Drinking Water Regulations - Subpart I - Control of Lead and Copper, July 1, 1994. These regulations are action levels for treatment techniques, not standards for determining compliance.
- d. Code of Federal Regulations, Title 40, Part 143, National Secondary Drinking Water Regulations, July 1, 1994. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.
- e. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, magnesium, nickel, potassium, and sodium.

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