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G-000-1012.175

**RESULTS OF WELL SAMPLING (37 LETTERS)**

10/30/92

DOE-104-92  
DOE-FN      CITIZENS  
79  
LETTERS



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Albright and Wilson, Inc.  
Attn: Sam Goodson

[REDACTED]

Dear Mr. Goodson:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000001

Albright &amp; Wilson

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup>
Arsenic	<0.01	0.05 <sup>a</sup>
Barium	<0.2	1.0 <sup>a</sup>
Calcium	94.91	N/A <sup>c</sup>
Cadmium	<0.005	0.01 <sup>a</sup>
Chromium	<0.01	0.05 <sup>a</sup>
Copper	0.06	1.0 <sup>b</sup>
Iron	16.43	0.3 <sup>b</sup>
Potassium	<5.0	N/A <sup>c</sup>
Magnesium	21.88	N/A <sup>c</sup>
Manganese	0.40	0.05 <sup>b</sup>
Sodium	12.83	N/A <sup>c</sup>
Nickel	<0.04	N/A <sup>c</sup>
Lead	0.005	0.05 <sup>a</sup>
Selenium	<0.005	0.01 <sup>a</sup>
Zinc	0.02	5.0 <sup>b</sup>

<sup>a</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984.

These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Miami Valley Ready Mix  
Attn: Mr. Lloyd 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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000003

Miami Valley Ready Mix

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	102.6	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	1.80	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	23.02	N/A <sup>c.</sup>
Manganese	0.25	0.05 <sup>b.</sup>
Sodium	9.63	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.07	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Allen Minges  


Dear Mr. Minges:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000005

A. Minges

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	0.38	1.0 <sup>a.</sup>
Calcium	72.60	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	3.43	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.26	N/A <sup>c.</sup>
Manganese	0.02	0.05 <sup>b.</sup>
Sodium	16.65	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.006	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.05	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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**Fernald Environmental Management Project**  
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Cincinnati, Ohio 45239-8705  
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OCT 30 1991

DOE-104-92

Ms. Shelley Horn  


Dear Ms. Horn:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000007

S. Horn

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup>
Arsenic	<0.01	0.05 <sup>a</sup>
Barium	<0.2	1.0 <sup>a</sup>
Calcium	69.68	N/A <sup>c</sup>
Cadmium	<0.005	0.01 <sup>a</sup>
Chromium	<0.01	0.05 <sup>a</sup>
Copper	0.03	1.0 <sup>b</sup>
Iron	<0.1	0.3 <sup>b</sup>
Potassium	<5.0	N/A <sup>c</sup>
Magnesium	18.75	N/A <sup>c</sup>
Manganese	<0.015	0.05 <sup>b</sup>
Sodium	11.37	N/A <sup>c</sup>
Nickel	<0.04	N/A <sup>c</sup>
Lead	<0.003	0.05 <sup>a</sup>
Selenium	<0.005	0.01 <sup>a</sup>
Zinc	0.03	5.0 <sup>b</sup>

<sup>a</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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Department of Energy  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
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OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000009

J. Rolfes

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	116.8	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.03	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	24.10	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	13.83	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.07	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000010



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000011

D. Gieringer

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup>
Arsenic	<0.01	0.05 <sup>a</sup>
Barium	<0.2	1.0 <sup>a</sup>
Calcium	81.68	N/A <sup>c</sup>
Cadmium	<0.005	0.01 <sup>a</sup>
Chromium	<0.01	0.05 <sup>a</sup>
Copper	<0.025	1.0 <sup>b</sup>
Iron	<0.1	0.3 <sup>b</sup>
Potassium	<5.0	N/A <sup>c</sup>
Magnesium	21.53	N/A <sup>c</sup>
Manganese	0.05	0.05 <sup>b</sup>
Sodium	12.81	N/A <sup>c</sup>
Nickel	<0.04	N/A <sup>c</sup>
Lead	<0.003	0.05 <sup>a</sup>
Selenium	<0.005	0.01 <sup>a</sup>
Zinc	0.04	5.0 <sup>b</sup>

<sup>a</sup>. Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup>. Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup>. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000012



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mrs. Dorothy Henshaw  


Dear Mrs. Henshaw:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well at 4352 Cincinnati-Brookville Road was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000013

D. Henshaw

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	0.38	1.0 <sup>a.</sup>
Calcium	72.60	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	3.43	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.26	N/A <sup>c.</sup>
Manganese	0.02	0.05 <sup>b.</sup>
Sodium	16.65	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.006	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.05	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000014



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Ms. Nancy Riggs  
[REDACTED]

Dear Ms. Riggs:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

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Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000015

N. Riggs

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105.1	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	28.56	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	17.88	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

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< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000016



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
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(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Russell Beckner  
[REDACTED]

Dear Mr. Beckner:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000017

ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	0.02	0.05 <sup>a.</sup>
Barium	0.48	1.0 <sup>a.</sup>
Calcium	78.53	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	3.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.09	N/A <sup>c.</sup>
Manganese	0.02	0.05 <sup>b.</sup>
Sodium	29.30	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

7522



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000019

Branch Hill Mobile Home Park

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.010	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	1.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	26	N/A <sup>c.</sup>
Manganese	0.34	0.05 <sup>b.</sup>
Sodium	31	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000020



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000021

Best Panel Homes

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	103.4	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	2.4	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	23.91	N/A <sup>c.</sup>
Manganese	0.24	0.05 <sup>b.</sup>
Sodium	9.6	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.09	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Melvin Schmidt  


Dear Mr. Schmidt:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachments 1, 2, and 3 provide results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000023

M. Schmidt

ATTACHMENT I (KNOLLMAN HOUSE WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	104.5	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.75	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	26.49	N/A <sup>c.</sup>
Manganese	0.35	0.05 <sup>b.</sup>
Sodium	17.27	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

M. Schmidt

-3-

## ATTACHMENT 2 (KNOLLMAN DEEP WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	88.43	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	4.52	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.50	N/A <sup>c.</sup>
Manganese	0.31	0.05 <sup>b.</sup>
Sodium	8.46	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.06	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000025

M. Schmidt

-4-

## ATTACHMENT 3 (KNOLLMAN SHALLOW WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	77.40	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.04	1.0 <sup>b.</sup>
Iron	0.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	18.24	N/A <sup>c.</sup>
Manganese	0.04	0.05 <sup>b.</sup>
Sodium	11.23	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.01	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.8	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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 that the laboratory can only detect as low as 0.04 mg/L and your sample may contain between 0.0 to 0.04 mg/L of that material.

000026



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mrs. Doris Turner  


Dear Mrs. Turner:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000027

D. Turner

-2-

## ATTACHMENT I (Barn Well)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup> .
Arsenic	<0.01	0.05 <sup>a</sup> .
Barium	<0.2	1.0 <sup>a</sup> .
Calcium	83.72	N/A <sup>c</sup> .
Cadmium	<0.005	0.01 <sup>a</sup> .
Chromium	<0.01	0.05 <sup>a</sup> .
Copper	0.03	1.0 <sup>b</sup> .
Iron	0.18	0.3 <sup>b</sup> .
Potassium	<5.0	N/A <sup>c</sup> .
Magnesium	25.55	N/A <sup>c</sup> .
Manganese	0.08	0.05 <sup>b</sup> .
Sodium	<5.0	N/A <sup>c</sup> .
Nickel	<0.04	N/A <sup>c</sup> .
Lead	<0.003	0.05 <sup>a</sup> .
Selenium	<0.005	0.01 <sup>a</sup> .
Zinc	0.03	5.0 <sup>b</sup> .

<sup>a</sup>. Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup>. Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup>. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000028

D. Turner

-3-

## ATTACHMENT I (House Well)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	82.89	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.24	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	24.05	N/A <sup>c.</sup>
Manganese	0.08	0.05 <sup>b.</sup>
Sodium	<5.0	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.008	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000029



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991  
DOE-104-92

Ms. Darlene Ramsey  
[Redacted]

Dear Ms. Ramsey:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

D. Ramsey

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105.1	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	28.56	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	17.88	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

000031



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Ruetgers Nease, Inc.  
Attn: 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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000032

Ruetgers Nease, Inc.

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	0.02	0.05 <sup>a.</sup>
Barium	<0.02	1.0 <sup>a.</sup>
Calcium	86.68	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	1.4	0.3 <sup>b.</sup>
Potassium	41.64	N/A <sup>c.</sup>
Magnesium	32.10	N/A <sup>c.</sup>
Manganese	0.49	0.05 <sup>b.</sup>
Sodium	11.74	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000033



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Thomas Renck  
Renck's Nursery

Dear Mr. Renck:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated.

000034

Renck Nursery

-2-

## ATTACHMENT I (BARN WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	55.11	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	15.23	N/A <sup>c.</sup>
Manganese	0.04	0.05 <sup>b.</sup>
Sodium	<5.0	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.05	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

Renck Nursery

-3-

## ATTACHMENT I (HOUSE WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	77.8	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	32.13	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	22.34	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000036



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Ms. Stephanie Spade  
[REDACTED]

Dear Ms. Spade:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000037

S. Spade

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup>
Arsenic	<0.01	0.05 <sup>a</sup>
Barium	<0.2	1.0 <sup>a</sup>
Calcium	69.68	N/A <sup>c</sup>
Cadmium	<0.005	0.01 <sup>a</sup>
Chromium	<0.01	0.05 <sup>a</sup>
Copper	0.03	1.0 <sup>b</sup>
Iron	<0.1	0.3 <sup>b</sup>
Potassium	<5.0	N/A <sup>c</sup>
Magnesium	18.75	N/A <sup>c</sup>
Manganese	<0.015	0.05 <sup>b</sup>
Sodium	11.37	N/A <sup>c</sup>
Nickel	<0.04	N/A <sup>c</sup>
Lead	<0.003	0.05 <sup>a</sup>
Selenium	<0.005	0.01 <sup>a</sup>
Zinc	0.03	5.0 <sup>b</sup>

<sup>a</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

000038



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. 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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

C. Burton

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	21.16	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.78	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	5.95	N/A <sup>c.</sup>
Manganese	0.06	0.05 <sup>b.</sup>
Sodium	<5.0	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000041

ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	97.10	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	2.84	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.72	N/A <sup>c.</sup>
Manganese	0.23	0.05 <sup>b.</sup>
Sodium	8.94	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

7522



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Clayton Walther



Dear Mr. Walther:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000043

C. Walther

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	120.7	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.17	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	39.64	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	26.4	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.04	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Mark Hollis  


Dear Mr. Hollis:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

000045

M. Hollis

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	91.19	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.16	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	28.28	N/A <sup>c.</sup>
Manganese	0.13	0.05 <sup>b.</sup>
Sodium	9.44	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mrs. Pam Dunn

Dear Mrs. Dunn:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

P. Dunn

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup> .
Arsenic	<0.01	0.05 <sup>a</sup> .
Barium	<0.2	1.0 <sup>a</sup> .
Calcium	16.31	N/A <sup>c</sup> .
Cadmium	<0.005	0.01 <sup>a</sup> .
Chromium	0.02	0.05 <sup>a</sup> .
Copper	0.03	1.0 <sup>b</sup> .
Iron	1.8	0.3 <sup>b</sup> .
Potassium	<5.0	N/A <sup>c</sup> .
Magnesium	<5.0	N/A <sup>c</sup> .
Manganese	0.08	0.05 <sup>b</sup> .
Sodium	10.13	N/A <sup>c</sup> .
Nickel	<0.04	N/A <sup>c</sup> .
Lead	<0.003	0.05 <sup>a</sup> .
Selenium	<0.005	0.01 <sup>a</sup> .
Zinc	0.2	5.0 <sup>b</sup> .

<sup>a</sup>. Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup>. Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup>. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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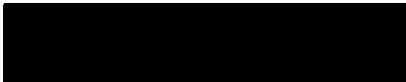


**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	0.03	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	45.85	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.05	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	13.22	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	8.81	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Joe Schomaker  
[REDACTED]

Dear Mr. Schomaker:

The purpose of this letter is to provide you with the results of the well water sampling conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). The well at [REDACTED] was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

J. Schomaker

-2-

## ATTACHMENT I (Ross Well)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	91.19	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.16	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	28.28	N/A <sup>c.</sup>
Manganese	0.13	0.05 <sup>b.</sup>
Sodium	9.44	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well at [redacted] was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

T. Pottenger

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105.1	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	28.56	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	17.88	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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P.O. Box 398705  
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(513) 738-6357

7522

OCT 30 1991

DOE-104-92

Mr. William Knollman  
[REDACTED]

Dear Mr. Knollman:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

W. Knollman

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	95.82	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	25.32	N/A <sup>c.</sup>
Manganese	0.03	0.05 <sup>b.</sup>
Sodium	13.31	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Ms. Ann Harrigan



Dear Ms. Harrigan:

The purpose of this letter is to provide you with the results of the well water sampling conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). The well at [redacted] was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller for  
Manager

FO:Quaider

Enclosure: As stated

A. Harrigan

-2-

## TOTAL METALS RESULTS FOR BRANCH HILL MOBILE HOME PARK

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.010	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	1.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	26	N/A <sup>c.</sup>
Manganese	0.34	0.05 <sup>b.</sup>
Sodium	31	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Jim Welch  
Welch Sand & Gravel



Dear Mr. Welch:

The purpose of this letter is to provide you with the results of the water sampling of the gravel pit conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). The gravel pit located at [redacted] was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our water collection program conducted on your 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	54.31	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.21	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.38	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	6.74	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.007	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	<0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.



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Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Delta Steel Corp.  
Attn: Mr. Ronald Poston

[REDACTED]

Dear Mr. Poston:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller *for*  
Manager

FO:Quaider

Enclosure: As stated

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Delta Steel

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	40.01	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	8.97	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	6.24	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.004	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	32.40	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

7522

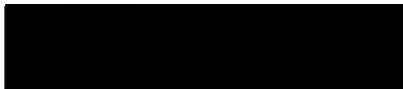


Department of Energy  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Fort Scott  
Attn: Ed Shannon



Dear Mr. Shannon:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

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Fort Scott

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	88.99	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.10	1.0 <sup>b.</sup>
Iron	0.14	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	20.12	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	17.26	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.10	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Frank Divo  
Southwestern OH. Water Co.

Dear Mr. Divo:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

## ATTACHMENT I (Well 1)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	30.65	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	9.34	N/A <sup>c.</sup>
Manganese	0.10	0.05 <sup>b.</sup>
Sodium	9.75	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.04	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

F. Divo

-3-

## ATTACHMENT 1 (Well 2)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	94.41	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	25.83	N/A <sup>c.</sup>
Manganese	0.25	0.05 <sup>b.</sup>
Sodium	13.57	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000068

A. J. Nieman

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	98.30	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	39.88	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	28.33	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.12	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. N. L. Burwinkel  
[REDACTED]

Dear Mr. Burwinkel:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

N. L. Burwinkel

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	105.8	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	3.5	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	29.95	N/A <sup>c.</sup>
Manganese	0.16	0.05 <sup>b.</sup>
Sodium	7.6	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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Department of Energy  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991  
DOE-104-92

Mrs. Verdie Estes  
[Redacted]

Dear Mrs. Estes:

The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA) with the exception of cadmium. The increased cadmium level is not a result of an impact from the Fernald Site operations. If you are concerned with the cadmium in your water, please contact the Ohio Environmental Protection Agency (OEPA) at (513)285-6357. Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

V. Estes

-2-

## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	109.40	N/A <sup>c.</sup>
Cadmium	0.02	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.03	1.0 <sup>b.</sup>
Iron	<0.1	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	29.20	N/A <sup>c.</sup>
Manganese	<0.015	0.05 <sup>b.</sup>
Sodium	88.0	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.2	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.

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Department of Energy  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

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 Westinghouse Environmental Management Company of Ohio (WEMCO). Your well was sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachment I provides results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

R. E. Tiller  
Manager

*Wally Quaider*  
for

FO:Quaider

Enclosure: As stated

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Ray Evers Welding

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## ATTACHMENT I

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	64.62	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	1.48	0.3 <sup>b.</sup>
Potassium	70.74	N/A <sup>c.</sup>
Magnesium	23.71	N/A <sup>c.</sup>
Manganese	0.30	0.05 <sup>b.</sup>
Sodium	32.32	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.03	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.005 means that the laboratory can only detect as low as 0.005 mg/L and your sample may contain between 0.0 to 0.005 mg/L of that material.



**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Knollman Farms, Inc.  
Attn: Norman Knollman

Dear Mr. Knollman:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachments 1, 2, and 3 provide results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

000076

N. Knollman

-2-

## ATTACHMENT I (KNOLLMAN HOUSE WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	104.5	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.75	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	26.49	N/A <sup>c.</sup>
Manganese	0.35	0.05 <sup>b.</sup>
Sodium	17.27	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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N. Knollman

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## ATTACHMENT 2 (KNOLLMAN DEEP WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	88.43	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	4.52	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	22.50	N/A <sup>c.</sup>
Manganese	0.31	0.05 <sup>b.</sup>
Sodium	8.46	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.06	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

N. Knollman

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## ATTACHMENT 3 (KNOLLMAN SHALLOW WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	77.40	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.04	1.0 <sup>b.</sup>
Iron	0.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	18.24	N/A <sup>c.</sup>
Manganese	0.04	0.05 <sup>b.</sup>
Sodium	11.23	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.01	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.8	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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 that the laboratory can only detect as low as 0.04 mg/L and your sample may contain between 0.0 to 0.04 mg/L of that material.

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**Department of Energy**  
Fernald Environmental Management Project  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
(513) 738-6357

OCT 30 1991

DOE-104-92

Mr. Ken Aday



Dear Mr. Aday:

The purpose of this letter is to provide you with the results of the water sampling of your wells conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your wells were sampled for total metals as part of our continuing Environmental Monitoring program in July 1991. Attachments 1, 2, and 3 provide results from the 1991 total metals analyses, expressed in milligrams of a particular element per liter of water (mg/L). The established standards are also provided, where applicable.

The data do not indicate any unusual results. All of the results are within the recommended primary drinking water guidelines established by the Department of Energy (DOE) and the U.S. Environmental Protection Agency (USEPA). Environmental Monitoring will continue to provide you with the results from our monthly well water collection program conducted on 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 our environmental program, please contact Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

*Wally Quaider*  
for  
R. E. Tiller  
Manager

FO:Quaider

Enclosure: As stated

K. Aday

-2-

## ATTACHMENT I (KNOLLMAN HOUSE WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	104.5	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	<0.025	1.0 <sup>b.</sup>
Iron	0.75	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	26.49	N/A <sup>c.</sup>
Manganese	0.35	0.05 <sup>b.</sup>
Sodium	17.27	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	<0.003	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.02	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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K. Aday

ATTACHMENT 2 (KNOLLMAN DEEP WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a</sup>
Arsenic	<0.01	0.05 <sup>a</sup>
Barium	<0.2	1.0 <sup>a</sup>
Calcium	88.43	N/A <sup>c</sup>
Cadmium	<0.005	0.01 <sup>a</sup>
Chromium	<0.01	0.05 <sup>a</sup>
Copper	<0.025	1.0 <sup>b</sup>
Iron	4.52	0.3 <sup>b</sup>
Potassium	<5.0	N/A <sup>c</sup>
Magnesium	22.50	N/A <sup>c</sup>
Manganese	0.31	0.05 <sup>b</sup>
Sodium	8.46	N/A <sup>c</sup>
Nickel	<0.04	N/A <sup>c</sup>
Lead	0.003	0.05 <sup>a</sup>
Selenium	<0.005	0.01 <sup>a</sup>
Zinc	0.06	5.0 <sup>b</sup>

<sup>a</sup>. Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b</sup>. Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c</sup>. N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, and nickel.

< : 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., <0.003 means that the laboratory can only detect as low as 0.003 mg/L and your sample may contain between 0.0 to 0.003 mg/L of that material.

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K. Aday

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## ATTACHMENT 3 (KNOLLMAN SHALLOW WELL)

TYPE OF METAL	CONCENTRATION (mg/L) <u>1991</u>	STANDARD (mg/L)
Silver	<0.01	0.05 <sup>a.</sup>
Arsenic	<0.01	0.05 <sup>a.</sup>
Barium	<0.2	1.0 <sup>a.</sup>
Calcium	77.40	N/A <sup>c.</sup>
Cadmium	<0.005	0.01 <sup>a.</sup>
Chromium	<0.01	0.05 <sup>a.</sup>
Copper	0.04	1.0 <sup>b.</sup>
Iron	0.7	0.3 <sup>b.</sup>
Potassium	<5.0	N/A <sup>c.</sup>
Magnesium	18.24	N/A <sup>c.</sup>
Manganese	0.04	0.05 <sup>b.</sup>
Sodium	11.23	N/A <sup>c.</sup>
Nickel	<0.04	N/A <sup>c.</sup>
Lead	0.01	0.05 <sup>a.</sup>
Selenium	<0.005	0.01 <sup>a.</sup>
Zinc	0.8	5.0 <sup>b.</sup>

<sup>a.</sup> Code of Federal Regulations, Title 40, Part 141, National Interim Primary Drinking Water Regulations - Subpart B - Maximum Contaminant Levels, July 1, 1984.

<sup>b.</sup> Code of Federal Regulations, Title 40, Part 143, Secondary Maximum Contaminant Levels, July 1, 1984. These regulations establish guidelines for the aesthetic qualities relating to the public acceptance of drinking water.

<sup>c.</sup> N/A: Not Applicable; No DOE or USEPA standards have been established for calcium, potassium, magnesium, sodium, or nickel.

< : 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 that the laboratory can only detect as low as 0.04 mg/L and your sample may contain between 0.0 to 0.04 mg/L of that material.

000083