

7544

G-000-1012.188

**RESULTS OF WELL SAMPLING**

03/14/96

DOE-0575-96  
DOE-FN      CITIZENS  
66  
LETTERS

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7544

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

MAR 14 1996

DOE-0575-96

Mr. James Rolfes



Dear Mr. Rolfes:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	1.3	0.9

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

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J. Rolfes

-2-

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

Sincerely,



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



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

**MAR 14 1996**

DOE-0575-96

Mr. Michael Lienesch  
 [REDACTED]

Dear Mr. Lienesch:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the quarterly sample collected in January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter are the units used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.4	0.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

M. Lienesch

2

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

Sincerely,

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



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

7544

MAR 14 1996

DOE-0576-96

Mrs. Joan Pottenger

Dear Mrs. Pottenger:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. Samples have been collected from your water softener system, the reverse osmosis system in your kitchen, and the outside faucet. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. No sample was collected from your outside tap in February 1996 as it has been turned off for the winter months. The laboratory results for February 1996 are expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
(Kitchen Tap) February 5, 1996	1.9	1.3
(Reverse osmosis system) February 5, 1996	<0.1	<0.1
(Outside Tap) February 5, 1996	NA	NA

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J. Pottenger

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A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is within this proposed limit and the expected background range for this geographic area. Environmental Monitoring will continue to collect water samples on a monthly basis, at your convenience.

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

Sincerely,



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



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

MAR 14 1996

DOE-0597-96

Mr. Melvin 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 Fernald Environmental Restoration Management Corporation (FERMCO). Your well at [REDACTED] has been sampled during the month of January. Also, well samples were collected from the house located at [REDACTED] and from the house at [REDACTED] during the month of January. An ion exchange system was installed in your home on June 18, 1992. This system is designed to remove the uranium from your well water by filtering the water through two columns.

Samples have been collected from three different sample points to determine the effectiveness of the system: untreated well water; treated water from the first column; and treated water from the second column. The results are expressed in Enclosure I in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Environmental Monitoring will continue to collect samples from these three points and provide you with the results on a monthly basis.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in the samples from [REDACTED] are below this limit. However, the results from the sampling of your well at [REDACTED] indicate levels of uranium above background and the interim EPA standard. The results from the water filtered through the ion exchange system (first and second columns) indicate that the uranium is being removed and that the uranium concentrations in the treated water are within the background range for this area (<0.1 ppb to 2.7 ppb).

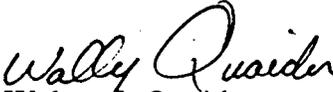
000007

M. Knollman

-2-

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

Sincerely,

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

Enclosure: as stated

W. Knollman

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**ENCLOSURE I  
WELL WATER RESULTS**

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER		1 <sup>st</sup> TREATED COLUMN		2 <sup>nd</sup> TREATED COLUMN	
	(ppb)	(pCi/L)	(ppb)	(pCi/L)	(ppb)	(pCi/L)
██████████ January 23, 1996	NS	NS	NS	NS	0.1	<0.1
██████████ January 23, 1996 January 24, 1996	35.0	23.7	3.7	2.5	<0.1	<0.1
██████████ January 24, 1996	2.4	1.6	NA	NA	NA	NA

NOTE: NS - not sampled.  
NA - not applicable.



7544

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

MAR 14 1996

DOE-0597-96

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 Fernald Environmental Restoration Management Corporation (FERMCO). Your well at [REDACTED] has been sampled during the month of January. Also, samples were collected from the house well located at [REDACTED] and from the house at [REDACTED] during the month of January. An ion exchange system was installed in your home on June 18, 1992. This system is designed to remove the uranium from your well water by filtering the water through two columns.

Samples usually are collected from three different sample points to determine the effectiveness of the system: untreated well water; treated water from the first column; and treated water from the second column. Due to the construction activities at your home, a sample of treated water was collected from the second column only. The results from the sampling at [REDACTED] and [REDACTED] are expressed in Enclosure I in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Environmental Monitoring will continue to collect samples from these three points, as available, and provide you with the results on a monthly basis.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in the samples from [REDACTED] are below this limit. However, the results from the sampling of the well at [REDACTED] indicate levels of uranium above background and the interim EPA standard. The results from the water filtered through the ion exchange system (first and second columns) at [REDACTED] indicate that the uranium is being removed and that the uranium concentrations in the treated water are within the background range for this area (<0.1 ppb to 2.7 ppb).

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W. Knollman

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

Sincerely,

*Wally Quaiden*  
Walter J. Quaiden  
Deputy Associate Director  
Office of Safety & Assessment

Enclosure: as stated

M. Knollman

**ENCLOSURE I  
WELL WATER RESULTS**

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER		1 <sup>st</sup> TREATED COLUMN		2 <sup>nd</sup> TREATED COLUMN	
	(ppb)	(pCi/L)	(ppb)	(pCi/L)	(ppb)	(pCi/L)
██████████ January 23, 1996	NS	NS	NS	NS	0.1	<0.1
██████████ January 23, 1996 January 24, 1996	35.0	23.7	3.7	2.5	<0.1	<0.1
██████████ January 24, 1996	2.4	1.6	NA	NA	NA	NA

NOTE: NS - not sampled.  
NA - not applicable.



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**Department of Energy**  
**Fernald Environmental Management Project**  
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(513) 648-3155

MAR 14 1996

DOE-0575-96

Mr. Thomas Pottenger  


Dear Mr. Pottenger:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well at , and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	1.9	1.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

T. Pottenger

-2-

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

Sincerely,



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



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

7544

MAR 14 1996

DOE-0575-96

Mr. Joseph Langley



Dear Mr. Langley:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	4.2	2.8

For comparison, a groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit. However, the concentration is slightly higher than the range expected for naturally-occurring background uranium in this area. The result is consistent with those obtained and reported to you during previous periods.

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J. Langley

-2-

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

Sincerely,



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



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

14 1996

DOE-0575-96

Mrs. Ruth Sellet

Dear Mrs. Sellet:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	5.9	4.0

For comparison, a groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit. However, the concentration is higher than the range expected for naturally-occurring background uranium in this area. The result is consistent with those obtained and reported to you during previous periods.

000017

R. Sellet

-2-

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

Sincerely,



Walter J. Quaider

Deputy Associate Director

Office of Safety & Assessment Support



7544

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

MAR 14 1996

DOE-0575-96

Branch Hill Mobile Home Park  
 ATTN: Manager



Dear Sir:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.9	0.6

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

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Branch Hill Mobile Homes

-2-

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

Sincerely,



Walter J. Quaider

Deputy Associate Director

Office of Safety & Assessment Support



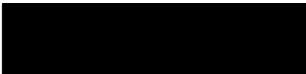
7544

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

MAR 14 1996

DOE-0575-96

Denier Electric  
 ATTN: Manager



Dear Sir:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	0.5	0.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

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Denier Electric

-2-

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

Sincerely,



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



7544

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

MAR 14 1996

DOE-0575-96

Miami Valley Ready Mix  
 ATTN: Mr. Lloyd Smith

Dear Mr. Smith:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	0.4	0.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

Miami Valley Ready Mix

-2-

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

Sincerely,



Walter J. Quaider

Deputy Associate Director

Office of Safety & Assessment Support



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

MAR 14 1996

DOE-0575-96

Ruetgers Nease, Inc.  
ATTN: Mr. Noah Pope



Dear Mr. Pope:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report. The less than symbol (<) indicates that the laboratory was unable to detect uranium in your sample. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e. <0.1 means the laboratory can only detect amounts of 0.1 ppb or larger and your water sample may contain 0.0 to 0.1 ppb of uranium.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	<0.1	<0.1

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000025

Ruetgers Nease, Inc.

-2-

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

Sincerely,



Walter J. Quaider

Deputy Associate Director

Office of Safety & Assessment Support

A. J. Nieman

-2-

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Mr. Clayton Burton

Dear Mr. Burton:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	1.9	1.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000028

C. Burton

-2-

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

Sincerely,

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



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

MAR 14 1996

DOE-0575-96

Mr. Frank Lienesch  


Dear Mr. Lienesch:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.5	0.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000030

F. Lienesch

-2-

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

Sincerely,

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



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

MAR 14 1996

DOE-0575-96

Mrs. Verdie Estes

Dear Mrs. Estes:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	1.7	1.1

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

V. Estes

-2-

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

Sincerely,



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

J. Rolfes

-2-

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Mr. Joe Schomaker



Dear Mr. Schomaker:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.6	0.4

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

J. Shomaker

-2-

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

Sincerely,



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



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

7544

MAR 14 1996

DOE-0575-96

Ms. Ann Harrigan



Dear Ms. Harrigan:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

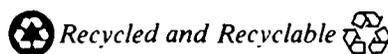
The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.9	0.6

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000037



A. Harrigan

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Mr. Donald Gieringer



Dear Mr. Gieringer:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	1.1	0.8

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

D. Gieringer

-2-

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

Sincerely,



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

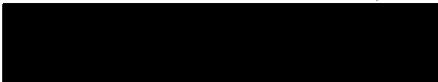


**Department of Energy**  
Fernald Environmental Management Project  
P. O. Box 538705  
Cincinnati, Ohio 45253-8705  
(513) 648-3155

MAR 14 1996

DOE-0575-96

Delta Steel Corporation  
Attn: Mr. Ronald Poston



Dear Mr. Poston:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 24, 1996	150.0	101.4

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is higher than the range expected for naturally-occurring background uranium in this area. However, the result is consistent with those reported to you during previous periods.

000041

Delta Steel

-2-

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Mrs. Doris Turner



Dear Mrs. Turner:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your wells and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory results from the month of January 1996 are expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
(Barn Well) January 23, 1996	1.0	0.7
(House Well) January 23, 1996	0.8	0.5

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your samples are well below this limit and within the range expected for naturally-occurring background uranium in this part of the country.

D. Turner

-2-

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

Sincerely,

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



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

MAR 14 1996

DOE-0575-96

Mr. Frank Divo  
 Southwestern Ohio Water Co.

Dear Mr. Divo:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your wells and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory results from the month of January 1996 are expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
(Well 1) January 25, 1996	1.5	1.0
(Well 2) January 25, 1996	0.9	0.6

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentrations in your samples are well below this limit and within the range expected for naturally-occurring background uranium in this part of the country.

F. Divo

-2-

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

Sincerely,

*Wally Quaiden*  
Walter J. Quaiden  
Deputy Associate Director  
Office of Safety & Assessment



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

MAR 14 1996

DOE-0575-96

Knollman Farms, Inc.  
 Attn: Norman Knollman

Dear Mr. Knollman:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your wells and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory results are expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report. The less than symbol (<) indicates that the laboratory was unable to detect uranium in your sample. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e. <0.1 means the laboratory can only detect amounts of 0.1 ppb or larger and your water sample may contain 0.0 to 0.1 ppb of uranium.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
(Old Well) January 24, 1996	120	81.1
(New Well) January 23, 1996	<0.1	<0.1
(House Well) January 24, 1996	2.4	1.6

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

N. Knollman

-2-

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentrations in the samples taken from the new well and the house well ( [REDACTED] ) are well below this limit and are within the range expected for naturally-occurring background uranium concentrations in this part of the country. However, the uranium concentration in the sample collected from the old (shallow) well at [REDACTED] is higher than the range expected for naturally-occurring background uranium concentrations in this part of the country. The results are consistent with those obtained and reported to you during the previous periods.

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

Sincerely,

*Wally Quaid*  
Walter J. Quaid

Deputy Associate Director  
Office of Safety & Assessment



7544

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

MAR 14 1996

DOE-0575-96

Ms. Darlene Ramsey  
 [REDACTED]

Dear Ms. Ramsey:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	1.9	1.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

D. Ramsey

-2-

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

Sincerely,

Handwritten signature of Walter J. Quaid in cursive script.

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



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

MAR 14 1996

DOE-0575-96

Ms. Nancy Riggs  
 [REDACTED]

Dear Ms. Riggs:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	1.9	1.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

N. Riggs

-2-

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Mr. Russell Beckner



Dear Mr. Beckner:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report. The less than symbol (<) indicates that the laboratory was unable to detect uranium in your sample. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e. <0.1 means the laboratory can only detect amounts of 0.1 ppb or larger and your water sample may contain 0.0 to 0.1 ppb of uranium.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	1.9	1.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

R. Beckner

-2-

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

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

Sincerely,

Handwritten signature of Wally Quaid in black ink.

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

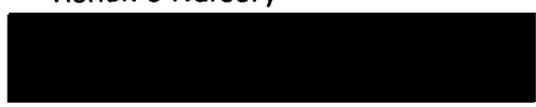


**Department of Energy**  
Fernald Environmental Management Project  
P. O. Box 538705  
Cincinnati, Ohio 45253-8705  
(513) 648-3155

DOE-0575-96

MAR 14 1996

Mr. Thomas Renck  
Renck's Nursery



Dear Mr. Renck:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your wells and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory results from the month of January 1996 are expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
(Barn) January 22, 1996	0.6	0.4
(House) January 22, 1996	0.3	0.2

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentrations in your samples are well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

T. Renck

-2-

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

Sincerely,



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



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

MAR 14 1996

DOE-0575-96

Best Panel Homes  
 ATTN: Manager

Dear Sir:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with an update on the results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.5	0.3

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

Best Panel Homes

2

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

Sincerely,

Handwritten signature of Walter J. Quaid in cursive script.

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

000058



- 7544

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

MAR 14 1996

DOE-0575-96

Ray Evers Welding Company  
 ATTN: Manager



Dear Sir:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report. The less than symbol (<) indicates that the laboratory was unable to detect uranium in your sample. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e. <0.1 means the laboratory can only detect amounts of 0.1 ppb or larger and your water sample may contain 0.0 to 0.1 ppb of uranium.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	<0.1	<0.1

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

Ray Evers Welding

2

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

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

Sincerely,



Walter J. Quaid

Deputy Associate Director

Office of Safety & Assessment Support



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

MAR 14 1996

DOE-0575-96

Ms. Stephanie Spade  


Dear Ms. Spade:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the quarterly sample collected in January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter are the units used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 22, 1996	0.9	0.6

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

S. Spade

-2-

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

Sincerely,

Handwritten signature of Walter J. Quaid in cursive script.

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



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

DOE-0575-96

MAR 14 1996

Mrs. Pamela Dunn



Dear Mrs. Dunn:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

The purpose of this letter is to provide you with results of our sampling. The laboratory result from the quarterly sample collected in January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter are the units used to express groundwater data in the Site Environmental Report. The less than symbol (<) indicates that the laboratory was unable to detect uranium in your sample. The number following this symbol represents the lowest concentration the laboratory is able to detect; i.e. <0.1 means the laboratory can only detect amounts of 0.1 ppb or larger and your water sample may contain 0.0 to 0.1 ppb of uranium.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 26, 1996	<0.1	<0.1

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000063

P. Dunn

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

Sincerely,

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



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

**7544**

Jan 14 1996

DOE-0575-96

Mr. A. J. Nieman  
 [Redacted Address]

Dear Mr. Nieman:

The Fernald Environmental Restoration Management Corporation (FERMCO), in cooperation with the Ohio Environmental Protection Agency and the Department of Health, has been collecting water samples from your well and others in the area as part of our continuing environmental monitoring program. These samples are analyzed for uranium concentration in order to assess any possible effects of Fernald Site operations on groundwater quality.

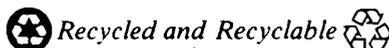
The purpose of this letter is to provide you with results of our sampling. The laboratory result from the month of January 1996 is expressed below in parts of uranium per billion parts of water (ppb), and picocuries of uranium per liter of water (pCi/L). Picocuries per liter is the unit used to express groundwater data in the Site Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
January 23, 1996	2.0	1.4

A groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 to 2.7 ppb (0.07 to 2.0 pCi/L). Also, a U. S. Geological Survey study (J.D. Hem, 1970, Geological Survey Water-Supply Paper 1473) reported a range of uranium concentration of less than 0.1 ppb to 10 ppb (0.07 to 6.8 pCi/L) in most natural water within the United States.

The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in your sample is well below this limit and within the range expected for naturally-occurring background uranium concentrations in this part of the country.

000065



A. J. Nieman

-2-

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

Sincerely,



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

000066