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G-000-1012.172

RESULTS OF WELL SAMPLING (9 LETTERS)

10/21/91

DOE-008-92
DOE-FN CITIZEN
18
LETTER



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

7519

OCT 21 1991

DOE-008-92

Patricia Donohue
 [Redacted]

Dear Ms. Donohue:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [Redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.3	0.20

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

P. Donohue

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



Department of Energy
Fernald Environmental Management Project
P.O. Box 398705
Cincinnati, Ohio 45239-8705
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DOE-008-92

OCT 21 1991

Mr. Alvin Brock
[REDACTED]

Dear Mr. Brock:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [REDACTED] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.7	0.47

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

A. Brock

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



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

OCT 21 1991

DOE-008-92

Bradley G. Edwards



Dear Mr. Edwards:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.6	0.41

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

B. Edwards

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



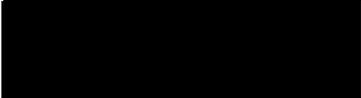
Department of Energy
 Fernald Environmental Management Project
 P O Box 396705
 Cincinnati, Ohio 45239-6705
 (513) 738-6357

7519

OCT 21 1991

DOE-008-92

Doris Earls



Dear Mrs. Earls:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	1.1	0.74

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

D. Earls

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



Department of Energy
 Fernald Environmental Management Project
 P.O. Box 396705
 Cincinnati, Ohio 45239-6705
 (513) 736-6357

7519

OCT 21 1991

DOE-008-92

Clarence Roy



Dear Mr. Roy:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.8	0.54

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

C. Roy

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



Department of Energy
Fernald Environmental Management Project
P.O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 733-6357

OCT 21 1991

DOE-008-92

Vicky Patrick



Dear Ms. Patrick:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.6	0.41

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

V. Patrick

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



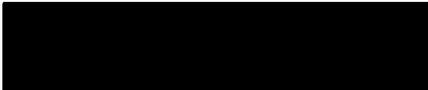
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 Fernald Environmental Management Project
 P.O. Box 398705
 Cincinnati, Ohio 45239-8705
 (513) 738-6357

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OCT 21 1991

DOE-008-92

Vicki L. Schroot



Dear Ms. Schroot:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.3	0.20

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

V. Schroot

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



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 P.O. Box 398705
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OCT 21 1991

DOE-008-92

Mrs. Robert Lee



Dear Mrs. Lee:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	1.0	0.68

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 (0.068 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 (0.068 to 6.8 pCi/L) in most natural water within the United States.

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R. Lee

-2-

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Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider



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OCT 21 1991

DOE-008-92

David Fritz



Dear Mr. Fritz:

The purpose of this letter is to provide you with the result of the water sampling of your cistern conducted by Westinghouse Environmental Management Company of Ohio (WEMCO). Your cistern at [redacted] was sampled on August 5, 1991, as part of our recent sampling activities along State Route 128. The result of this sampling 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 Annual Environmental Report.

<u>Sampling Date</u>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
August 5, 1991	0.3	0.20

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 (0.068 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 (0.068 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 is within the range expected for naturally-occurring background uranium in this area.

D. Fritz

-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 Wally Quaider by phone (738-6160) at your convenience.

Sincerely,

Wally Quaider
R. E. Tiller
Manager *for*

FO:Quaider