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G-000-1012.123

RESULTS OF WELL SAMPLING (2 LETTERS)

03/27/95

**DOE-0671-95
DOE-FN CITIZENS
6
LETTERS**



Department of Energy
Fernald Environmental Management Project
P. O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 648-3155

MAR 27 1995
DOE-0671-95

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 biweekly during the month of January 1995. Also, samples were collected from the [REDACTED] and [REDACTED] 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.

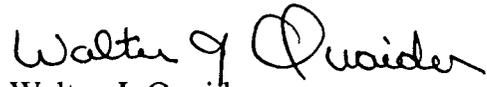
The Environmental Protection Agency (EPA) has proposed an interim drinking water standard for total uranium of 20 ppb (13.5 pCi/L). The uranium concentration in the [REDACTED] are below this limit. However, the results from the [REDACTED] indicate levels of uranium above background and the interim EPA 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).

M. 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,



Walter J. Quaid

Acting Associate Director

Safety, Operations, & Technical Support

Enclosure: as stated

M. Knollman

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**ENCLOSURE I
WELL WATER RESULTS**

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER		1 st TREATED COLUMN		2 nd TREATED COLUMN	
	(ppb)	(pCi/L)	(ppb)	(pCi/L)	(ppb)	(pCi/L)
██████████ January 3, 1995	94.0	63.5	<0.1	<0.1	<0.1	<0.1
January 17, 1995	86.0	58.1	<0.1	<0.1	<0.1	<0.1
██████████ January 3, 1995	91.0	61.5	0.7	0.5	<0.1	<0.1
January 17, 1995	95.0	64.2	0.6	0.4	<0.1	<0.1
██████████ January 3, 1995	2.2	1.5				
January 25, 1995	2.3	1.6				



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Fernald Environmental Management Project
P. O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 648-3155

MAR 27 1995

DOE-0671-95

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). [REDACTED] has been sampled biweekly during the month of January 1995. Also, samples were collected from the house well located at 7312 Willey Road and [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 [REDACTED] are below this limit. However, the results from the [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).

W. 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. Quaid
Acting Associate Director
Safety, Operations, & Technical Support

Enclosure: as stated

W. Knollman

-3-

**ENCLOSURE I
WELL WATER RESULTS**

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER		1 st TREATED COLUMN		2 nd TREATED COLUMN	
	(ppb)	(pCi/L)	(ppb)	(pCi/L)	(ppb)	(pCi/L)
██████████ January 3, 1995 January 17, 1995	94.0 86.0	63.5 58.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1	<0.1 <0.1
██████████ January 3, 1995 January 17, 1995	91.0 95.0	61.5 64.2	0.7 0.6	0.5 0.4	<0.1 <0.1	<0.1 <0.1
██████████ January 3, 1995 January 25, 1995	2.2 2.3	1.5 1.6				

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