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RESULTS OF WATER SAMPLING OF WELLS (2 INDIVIDUAL LETTERS)

02/09/94

DOE-0978-94
DOE-FN/CITIZENS
6
LETTERS

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

FEB 0 9 1994
DOE-0798-94

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 biweekly during the month of December 1993. Also, samples were collected from the house well located at [redacted] and from the house at [redacted] during the month of December. An ion exchange system was installed in your home 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 Attachment 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] is 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) indicate that the uranium is being removed and that the uranium concentrations in the treated water are within the background range for this area.

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

Sincerely,

Kenneth L. Morgan, Director
Public Information

FN:Quaider

Enclosure: as stated

ENCLOSURE I
WELL WATER RESULTS

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER (ppb)	UNTREATED WELL WATER (pCi/L)	TREATED ONE COLUMN (ppb)	TREATED ONE COLUMN (pCi/L)	TREATED TWO COLUMN (ppb)	TREATED TWO COLUMN (pCi/L)
[redacted]						
December 7, 1993	72.0	48.6	0.1	<0.1	<0.1	<0.1
December 21, 1993	78.0	52.7	<0.1	<0.1	<0.1	<0.1
[redacted]						
December 7, 1993	69.0	46.6	0.4	0.3	0.1	<0.1
December 21, 1993	76.0	51.3	0.8	0.5	0.1	<0.1
[redacted]						
December 7, 1993	1.8	1.2				
December 29, 1993	1.9	1.3				

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-513 8

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DOE-0798-94

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 December 1993. Also, samples were collected from the house well located at [redacted] and from the house at [redacted] during the month of December. An ion exchange system was installed in your home June 18, 1992. This system is designed to remove the uranium from your well water by filtering the water through two columns.

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Recycled and Recyclable

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Sincerely,

Kenneth L. Morgan, Director
Public Information

FN:Quaider

Enclosure: as stated

ENCLOSURE I
WELL WATER RESULTS

SAMPLING LOCATION/ DATE	UNTREATED WELL WATER (ppb)	(pCi/L)	TREATED ONE COLUMN (ppb)	(pCi/L)	TREATED TWO COLUMN (ppb)	(pCi/L)
7493 Willey						
December 7, 1993	72.0	48.6	0.1	<0.1	<0.1	<0.1
December 21, 1993	78.0	52.7	<0.1	<0.1	<0.1	<0.1
7513 Willey						
December 7, 1993	69.0	46.6	0.4	0.3	0.1	<0.1
December 21, 1993	76.0	51.3	0.8	0.5	0.1	<0.1
7312 Willey						
December 7, 1993	1.8	1.2				
December 29, 1993	1.9	1.3				