

5164

**RESULTS OF THE WATER SAMPLING OF WELL
(2 INDIVIDUAL LETTERS)**

12/10/92

**DOE-0480-93
DOE-FN/CITIZEN
6
LETTERS**



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

-5164

DEC 10 1992
DOE-0480-93

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 Westinghouse Environmental Management Company of Ohio (WEMCO). The well at [REDACTED] has been sampled biweekly during the months of September and October. Also, samples were collected from the house well located at [REDACTED] and from your house at [REDACTED] during the months of September and October. An ion exchange system was installed at 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 both columns. 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 verbally on a biweekly basis. Also, a notification letter with results will be mailed to you 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.

5164

M. Knollman

-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 (738-6160) at your convenience.

Sincerely,



Wally Quaid
Acting Assistant Manager
Technical Support

FN:Quaid

ATTACHMENT I
WELL WATER RESULTS

SAMPLING LOCATION / DATE	UNTREATED WELL WATER		TREATED ONE COLUMN		TREATED TWO COLUMN	
	(ppb)	(pCi/L)	(ppb)	(pCi/L)	(ppb)	(pCi/L)
██████████						
July 14, 1992	33	22	0.1	0.1	0.1	0.1
July 28, 1992	33	22	<0.1	<0.1	<0.1	<0.1
August 11, 1992	34	23	<0.1	<0.1	<0.1	<0.1
August 25, 1992	33	22	<0.1	<0.1	<0.1	<0.1
Sept. 8, 1992	33	22	<0.1	<0.1	0.1	0.1
Sept. 22, 1992	38	26	0.1	0.1	<0.1	<0.1
October 13, 1992	36	24	<0.1	<0.1	0.1	0.1
October 27, 1992	35	24	<0.1	<0.1	0.3	0.2
██████████						
July 14, 1992	34	23	0.3	0.2	<0.1	<0.1
July 28, 1992	33	22	<0.1	<0.1	<0.1	<0.1
August 11, 1992	34	23	<0.1	<0.1	<0.1	<0.1
August 25, 1992	33	22	0.1	0.1	<0.1	<0.1
Sept. 8, 1992	34	23	<0.1	<0.1	0.1	0.1
Sept. 22, 1992	37	25	<0.1	<0.1	0.1	0.1
October 13, 1992	37	25	<0.1	<0.1	<0.1	<0.1
October 27, 1992	31	21	0.1	0.1	<0.1	<0.1
██████████						
July 14, 1992	2.2	1.5				
July 28, 1992	1.3	0.9				
August 11, 1992	2.0	1.3				
Sept. 8, 1992	2.1	1.4				
Sept. 22, 1992	2.1	1.4				
October 13, 1992	2.0	1.3				



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Mr. William Knollman
[REDACTED]

Dear Mr. Knollman:

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W. Knollman

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Sincerely,



Wally Quaider
Acting Assistant Manager
Technical Support

FN:Quaider

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