

**5311**

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

**09/29/93**

**DOE-3019-93  
DOE-FN/CITIZENS  
5  
LETTERS**



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

SEP 29 1993  
DOE-3019-93

Mr. Melvin Knollman  
[REDACTED]

Dear Mr. Knollman,

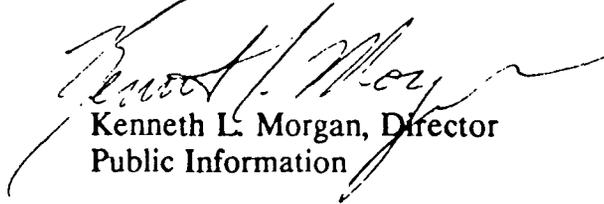
The purpose of this letter is to provide you with the results of the water sampling of your well conducted by Fernald Environmental Restoration Management Corporation (FERMCO). Your well at [REDACTED] has been sampled biweekly during the month of August 1993. Also, samples were collected from the house well located at [REDACTED] and from the house at [REDACTED] during the month of August. 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 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.

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



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

SEP 29 1993  
DOE-3019-93

Mr. William Knollman  
[REDACTED]

Dear Mr. Knollman,

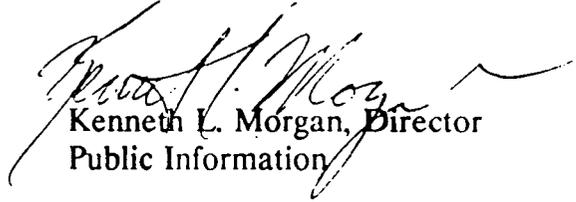
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Samples have been collected from three different sample points to determine the effectiveness of the system: untreated well water, treated water from the first column, and treated water from the second column. The results are expressed in Attachment 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 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 7312 Willey Road is below this limit. However, the results from the sampling of the well at 7493 and 7513 Willey Road 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

W. Knollman

ENCLOSURE 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)
██████████ August 3, 1993	65.0	43.9	<0.1	<0.1	<0.1	<0.1
August 17, 1993	70.0	47.3	<0.1	<0.1	<0.1	<0.1
August 31, 1993	63.0	42.6	0.3	0.2	<0.1	<0.1
██████████ August 3, 1993	65.0	43.9	0.4	0.3	<0.1	<0.1
August 17, 1993	66.0	44.6	0.6	0.4	<0.1	<0.1
August 31, 1993	64.0	43.3	0.6	0.4	<0.1	<0.1
██████████ August 3, 1993	1.5	1.0				
August 25, 1993	1.9	1.3				