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**G-000-1012.28**

**RESULTS OF WATER SAMPLING OF WELL**

**06/30/92**

**DOE-1844-92  
DOE-FN/CITIZEN  
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LETTER**



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

**3489**

JUN 30 1992  
 DOE-1844-92

**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 month of May. Also, samples were collected from the house well located at [Redacted] and from your house at [Redacted] during the month of May. The results are 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> (7493 Willey)	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
May 5, 1992	28.0	18.9
May 19, 1992	28.0	18.9
 (7312 Willey)		
May 5, 1992	2.5	1.7
May 19, 1992	2.3	1.6
 (y)		
May 5, 1992	27.0	18.2
May 19, 1992	23.0	15.5

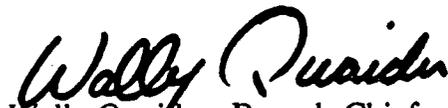
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For comparison, a groundwater study conducted by an independent consultant for the Fernald Site determined that background concentrations of naturally-occurring uranium in the groundwater for this area range from less than 0.1 ppb to 2.7 ppb (0.07 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 (0.07 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 the sample f ..... low this limit. However, the results from the sampling of the well at ..... indicate levels of uranium above background and the interim EPA standard. Environmental Monitoring will continue sampling your well and providing you the results verbally on a biweekly basis. Also, a notification letter with results will be mailed to you on a monthly basis.

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 Quaidler, Branch Chief  
Environmental Compliance

FN:Quaider



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

JUN 30 1992  
DOE-1844-92

Mr. William Knollman



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). Your well at [redacted] Road has been sampled biweekly during the month of May. Also, samples were collected from the house well located at [redacted] and from [redacted] during the month of May. The results are 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> (7100 [redacted])	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
May 5, 1992	28.0	18.9
May 19, 1992	28.0	18.9
(7312 Willey)		
May 5, 1992	2.5	1.7
May 19, 1992	2.3	1.6
(7513 Willey)		
May 5, 1992	27.0	18.2
May 19, 1992	23.0	15.5

Vicki [redacted] an

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 (0.07 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 (0.07 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 the sample from [redacted] is below this limit. However, the results from the sampling of your well at [redacted] indicate levels of uranium above background and the interim EPA standard. Environmental Monitoring will continue sampling your well and providing you the results verbally on a biweekly basis. Also, a notification letter with results will be mailed to you on a monthly basis.

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 Qualder*  
Wally Qualder, Branch Chief  
Environmental Compliance

FN:Qualder