

3076

**RESULTS OF THE WATER SAMPLING OF WELL**

**03/23/92**

**DOE-1154-92  
DOE-FN/PUBLIC**

**24  
LETTER**



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

MAR 23 1992

3076

DOE-1154-92

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). The [redacted] been sampled biweekly during the month of February. Also, a sample was collected from the house well located [redacted] during the month of February. 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>	<u>Uranium Concentration</u>	
	<u>(ppb)</u>	<u>(pCi/L)</u>
[redacted]		
February 11, 1992	16.0	10.82
February 25, 1992	15.0	10.14
[redacted]		
February 11, 1992	2.6	1.76

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 (0.068 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 (0.068 to 6.8 pCi/L) in most natural water within the United States.

W. Knollman

-2-

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 your samples is below this limit. However, the results from the sampling of your well [REDACTED] continue to indicate levels of uranium above background. 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 Quaider*  
Wally Quaider, Branch Chief  
Environmental Compliance

FO:Quaider



**Department of Energy**  
**Fernald Environmental Management Project**  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705  
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MAR 23 1992

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Mr. Melvin Knollman

Dear Mr. Knollman:

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M. Knollman

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*Wally Quaider*  
Wally Quaider, Branch Chief  
Environmental Compliance

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