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RESULTS OF PRODUCE AND SOIL SAMPLING AT FARM

06/07/94

DOE-1701-94
DOE-FN CITIZEN
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LETTER

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

JUN 07 1994
DOE-1701-94

Knollman Farm, Inc.
William Knollman
7218 Willey Road
Hamilton, Ohio 45030

Dear Mr. Knollman:

The purpose of this letter is to provide you with the results of the produce and soil sampling of your farm conducted by Fernald Environmental Restoration Management Corporation (FERMCO). Samples were collected from your farm on September 29, 1994 as part of the Fernald site environmental monitoring program.

The results of this sampling are expressed below in picocuries of uranium per gram (pCi/g). Picocuries per gram are the units used to express produce data in the Site Environmental Report. The ± values represent the amount of uncertainty associated with the analysis performed on the samples. For example, 0.87 ± 0.09 indicates that the actual uranium concentration in your soil sample is in the range of 0.78 to 0.96 pCi/g.

<u>Sampling Collected</u>	<u>Uranium Concentration</u>	
	(pCi/g)	(±)
Soil(corn)	0.87	0.09
Corn	0.00021	0.00002
Soil(corn)	0.98	0.10
Corn	0.00013	0.00001
Soil(soy)	0.58	0.06
Soybean	0.00057	0.00006
Soil(soy)	1.4	0.01
Soybean	0.00093	0.00001
Soil(corn)	0.99	0.10
Corn	0.000086	0.000011
Soil(corn)	2.0	0.1
Corn	0.000086	0.000001
Soil(soy)	1.5	0.2
Soybean	0.00030	0.00001

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For the purposes of comparison, naturally-occurring total uranium concentrations for soil in Ohio range from 1.0 pCi/g to 4.4 pCi/g. The uranium content in your soil samples is within the range expected for background concentrations in this part of the country. Although there is no standard for comparison of uranium concentrations in produce, based on data from previous years, your produce samples fall within the range expected for this area.

Payment for all samples collected in 1993 by Radiological Environmental Monitoring, per the Right-of-Entry agreement, has been mailed to you separately. If you have any questions regarding the result reported to you in this letter or on any aspect of our environmental program, please contact Wally Quaider by phone (648-3137) at your convenience.

Sincerely,

for Gary Stegner
Kenneth L. Morgan, Director
Public Information

FN:Quaider

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