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**RESULTS OF PRODUCE AND SOIL SAMPLING AT FARM**

06/07/94

DOE-1704-94  
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

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**JUN 07 1994**  
 DOE-1704-94

**Curtis Butterfield**  
 [REDACTED]

Dear Mr. Butterfield:

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). Your farm was sampled on September 30, 1993 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  $\pm$  values represent the amount of uncertainty associated with the analysis performed on the samples. For example,  $1.0 \pm 0.01$  indicates that the actual uranium concentration in your soil sample is in the range of 0.99 to 1.01 pCi/g.

<u>Sampling Collected</u>	<u>Uranium Concentration</u>	
	(pCi/L)	( $\pm$ )
Soil (corn)	1.0	0.01
Soil (soy)	1.2	0.1
Corn	0.000032	0.000004
Soybeans	0.00045	0.00005

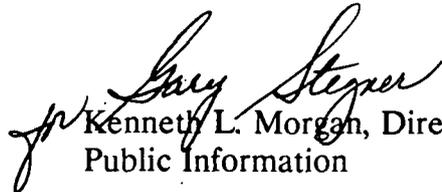
For the purposes of comparison, naturally-occurring total uranium concentrations for soil in Ohio range from 1.0 pCi/g to 4.4 pCi/g. The uranium content in your soil samples is within the range expected for background concentrations in this part of the country. Although there is no standard for comparison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

C. Butterfield

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Enclosed is payment per the Right-of-Entry agreement you signed. This check is payment for all samples collected during 1993. 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,

  
Kenneth L. Morgan, Director  
Public Information

FN:Quaider