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RESULTS OF SOIL SAMPLING

12/06/1988

WMCO:SR(IA):88-0645
WMCO CITIZEN
 3
LETTER

**Westinghouse
Materials Company
of Ohio**

3.3.7
MR



Servis

PO Box 398704
Cincinnati, Ohio 45239-8704
(513) 738 8200

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**WACO:SR(IA):88-0654
December 6, 1988**

**Archdiocese of Cincinnati
Father Len Wenke
Office of Youth Ministry
100 E. 8th St.
Cincinnati, Ohio 45202**

Dear Father:

The Feed Materials Production Center (FMPC), in cooperative agreement with the United States and Ohio Environmental Protection Agencies, has been collecting soil samples from properties in the area as part of a comprehensive environmental investigation. This investigation, entitled the Remedial Investigation and Feasibility Study (RI/FS), is being conducted in accordance with federal standards for the purpose of assessing the environmental impacts associated with the current and historical operations of the FMPC. The sample, which was collected from your property, was analyzed for the isotopes of uranium in order to assess any possible effects of FMPC operations on the quality of regional soils.

The purpose of this letter is to provide you with the results of our sampling. The attachment to this letter provides the laboratory results for the soil sample collected from your property.

A study completed in 1983 by Oak Ridge National Laboratory (see reference on attachment) estimated the activity concentration of naturally occurring uranium-238 in soils in Ohio to range from 0.6 pCi/g (picocuries per gram), to 2.2 pCi/g. The total activity concentration of all naturally occurring uranium isotopes in soils in Ohio is approximately twice this concentration, since two major isotopes of uranium (uranium-238 and uranium-234) occur together naturally in soils. The uranium content in your sample was within the range expected for naturally occurring background uranium concentrations in this part of the country.

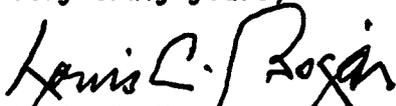
L. C. Bogar

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WMCO:SR:(IA):88-0654

The Westinghouse Materials Company of Ohio and the United States and Ohio Environmental Protection Agencies would like to take this opportunity to thank you for your participation in this important environmental investigation. If you have any questions regarding the results reported to you in this letter or any aspect of the Remedial Investigation and Feasibility Study, please feel free to contact Rich Bendula of the Ohio Environmental Protection Agency at (513) 449-6357 or myself at 738-6738 at your convenience.

Very truly yours,


Louis C. Bogar
Vice President and Manager
Site Remediation

LCB:jld

Attachment

**Feed Materials Production Center
Remedial Investigation/Feasibility Study
Soil Sampling Results**

Property Owner:

Fort Scott Camps
6762 River Road
Harrison, Ohio 45030

Sample - 5656
Date Sampled - 6/21/88
Sample Depth - 0-2 inches

<u>Parameter</u>	<u>Sample Result</u>	<u>Range of Natural Background Concentration</u>	<u>Unit</u>
Uranium-238	2.2	0.6-2.2 (1)	pCi/gram
Uranium-234	1.9	0.6-2.2 (2)	pCi/gram
Uranium-235,236	<0.6	0.03-0.1(2)	pCi/gram

Note: < denotes that the applicable concentration in the sample is less than that which the analyzing system is capable of detecting. The number shown is the lowest quantity that the analyzing system is capable of detecting.

(1) Myrich T.E., B.A. Berven, and F.F. Haywood, "Determination of Concentrations of Selected Radionuclides in Surface Soil in the U.S.", Health Physics, 45(3), 1983, pp. 631-642.

(2) Estimated from Reference 1. Assumes natural uranium.