

December 17, 2014

Mr. Stephen Hammann
U.S. Nuclear Regulatory Commission
Region I
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

REC-1601122214M0735

**SUBJECT: ORISE CONTRACT NO. DE-AC05-06OR23100
LETTER REPORT FOR ANALYTICAL RESULTS FOR THREE SOIL
SAMPLES ASSOCIATED WITH THE UNIVERSITY OF BUFFALO IN
BUFFALO, NEW YORK
[DOCKET NO. 05000057] (RFTA NO. 15-001)
DCN: 5255-LR-01-0**

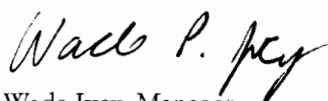
Dear Mr. Hammann:

Oak Ridge Associated Universities (ORAU), under the Oak Ridge Institute for Science and Education (ORISE) contract, received three soil samples on November 13, 2014 from the University of Buffalo in Buffalo, New York. The samples were received in good condition. Sample collection data and identification numbers are presented in Table 1. The gamma spectrometry data are presented in Table 2. The pertinent procedure reference is included with the data table.

ORAU's Quality Control (QC) requirements were met for this analysis. The QC files are available for your review upon request.

My contact information is listed below. You may also contact Forrest Smith at 865.574.9802 with any questions or comments.

Sincerely,



Wade Ivey, Manager
Laboratory

WPI:km

Enclosures

Electronic: T. Carter, NRC S. Roberts, ORAU M. Roberts, NRC
T. Vitkus, ORAU File 5255

Distribution approval and concurrence:	Initials
Technical Review	<i>[Signature]</i>
Quality Review	<i>[Signature]</i>
Group Manager Review	<i>[Signature]</i>

TABLE 1
SAMPLE IDENTIFICATION
AND COLLECTION INFORMATION
UNIVERSITY OF BUFFALO, BUFFALO, NEW YORK

ORAU Sample ID	NRC Sample ID	Collection Date	Collection Time
5255S0001	GR-01-DUP	11/5/2014	NA
5255S0002	S2-02-DUP	11/5/2014	NA
5255S0003	S2-04-DUP	11/5/2014	NA

TABLE 2
CONCENTRATIONS OF SELECTED RADIONUCLIDES
IN SOIL SAMPLES
BY GAMMA SPECTROSCOPY CP1, REVISION 18

ORAU Sample ID	NRC Sample ID	Radionuclide Concentrations, TPU ^a , and MDCs ^b (pCi/g)				
		Ag-108m	Co-60	Cs-137	Eu-152	Eu-154
5255S0001	GR-01-DUP	0.00 ^c ± 0.01 , 0.03	0.00 ± 0.02 , 0.04	0.02 ± 0.01 , 0.03	-0.02 ± 0.04 , 0.09	-0.21 ± 0.09 , 0.18
5255S0002	S2-02-DUP	0.00 ± 0.01 , 0.03	-0.01 ± 0.02 , 0.04	0.04 ± 0.01 , 0.03	-0.03 ± 0.04 , 0.09	-0.12 ± 0.08 , 0.16
5255S0003	S2-04-DUP	0.00 ± 0.01 , 0.02	0.00 ± 0.02 , 0.04	0.09 ± 0.02 , 0.03	-0.01 ± 0.04 , 0.09	-0.15 ± 0.07 , 0.17

^aUncertainties represent the 95% confidence level, based on total propagated uncertainties.

^bMDCs are after the commas.

^cZero values are due to rounding.