ORISE
OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

R2-B72

May 12, 1998

Mr. William B. Gloersen
U.S. Nuclear Regulatory Commission
Region II
Suite 2900
101 Marietta Street, NW
Atlanta, GA 30323-0199

SUBJECT: REPORT OF DATA FOR ANALYSIS OF A SOIL SAMPLE COLLECTED FROM WESTINGHOUSE, COLUMBIA, SOUTH CAROLINA, JANUARY 14, 1998 (RFTA - 98-10)

Dear Mr. Gloersen:

The Environmental Survey and Site Assessment Program (ESSAP) of the Oak Ridge Institute for Science and Education (ORISE) performed analysis of one soil sample for gross alpha and isotopic uranium. The results are as follows for concentration, uncertainties, and minimum detectable concentration (MDC). Uncertainties represent the 95% confidence level, based on total propagated uncertainties.

Analysis	Activity ± Uncertainty	MDC
Gross Alpha	15.0 ± 4.2	4.9 pCi/g
U-234	1.84 ± 0.23	0.03 pCi/g
U-235	0.11 ± 0.04	0.02 pCi/g
U-238	1.53 ± 0.31	0.01 pCi/g

ESSAP's QC procedures were followed for these analyses. The daily QC and detector background for the counting instrumentation used in the analyses were within acceptable limits. The QC files are available for your review upon request.

Please contact me at (423) 241-3242 or Mark Laudeman at (423) 576-3561 with any questions or comments.

Sincerely,

Mark Laudeman
for Dale Condra
Technical Resources Manager
Environmental Survey and
Site Assessment Program

RDC/MJL/dkh

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cc: R. Uleck, NRC/NMSS/TWFN/7F27
J. Halvorsen, NRC/NMSS/TWFN/8A23
J. Kottan, NRC/Region I
E. Abelquist, ORISE/ESSAP
T. Vitkus, ORISE/ESSAP
M. Laudeman, ORISE/ESSAP
W. Beck, ORISE/ESSAP
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