OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

September 23, 2010

Ms. Katherine Streit
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Lisle, IL 60532-4351

SUBJECT: **ORISE CONTRACT NO. DE-AC05-06OR23100**
LETTER REPORT FOR ANALYTICAL RESULTS FOR TEN SWIPE SAMPLES FROM INDIANA UNIVERSITY MEDICAL CENTER, INDIANAPOLIS, INDIANA;
[TAC NO. JR3211] (RFTA NO. 10-001)
DCN: 2025-LR-01-0

Dear Ms. Streit:

The Oak Ridge Institute for Science and Education (ORISE) received ten swipe samples on September 17, 2010 from The Indiana University Medical Center in Indianapolis, Indiana. The swipe samples were analyzed according to the information on the 303 form for tritium (H-3) and carbon-14 (C-14) using ORISE procedures AP2, Revision 17 and AP9, Revision 4. The Request for Analysis also asked the lab to check the spectra for the presence of higher energy beta emitters. The spectra were reviewed and no other beta emitters were detected. The tritium concentration for sample IUPUI-09 (2025R0009) was 21.9 ± 9.5 dpm/swipe. There were no other swipes with concentrations above the calculated minimum detectable concentration (MDC). The H-3 MDC was 14.8 dpm per/swipe. The C-14 MDC was 6.9 dpm/swipe.

ORISE's Quality Control (QC) requirements were met for these analyses. The QC files are available for your review upon request.

My contact information is listed below. You may also contact Wade Ivey at 865.576.9184 with any questions or comments.

Sincerely,

Dale Condra

Dale Condra, Manager
Laboratory

RDC:WPI:fr

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File 2025

Electronic: S. Roberts, ORISE T. Vitkus, ORISE

Distribution approval and concurrence :	Initials
Technical Review	
Quality Review	

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