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November 3, 2006
2006 NOV -6 PM 2:11

Ms. Laurie Kauffman
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

**SUBJECT: LETTER REPORT FOR ANALYSIS OF WET AND DRY SMEARS FOR THE
U.S. NUCLEAR REGULATORY COMMISSION FACILITY IN KING OF
PRUSSIA, PENNSYLVANIA [RFTA NO. 06-001]**

Dear Ms. Kauffman:

The Oak Ridge Institute for Science and Education (ORISE) received ten wet smears for tritium and carbon-14 (C-14) analysis and ten dry smears for gross alpha and gross beta analysis on October 24, 2006 from the U.S. Nuclear Regulatory Commission facility in King of Prussia, Pennsylvania. The wet smears were analyzed for tritium by liquid scintillation analysis (AP2, Revision 15; CP4, Revision 3) and carbon-14 (C-14) by liquid scintillation analysis (AP9, Revision 2; CP4, Revision 3). The minimum detectable concentration (MDC) for tritium is 41 pCi/smear and the MDC for C-14 is 14 pCi/smear. The concentrations of all smears were below the MDC. The dry smears were analyzed for gross alpha and gross beta activity by low background alpha/beta counting methods (AP1, Revision 14; CP3, Revision 2). The gross alpha MDC is 8.9 pCi/smear and the gross beta MDC is 15 pCi/smear. The gross alpha and gross beta concentrations of all smears were below the MDC for each analysis.

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

Per Bruce Watson, there are no tracking numbers associated with this task.

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

Sincerely,



Dale Condra, Manager
Laboratory

RDC:WPI:km

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