

RECEIVED  
REGION 1

**ORISE**  
OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

October 11, 2006  
2006 OCT 16 PM 2:08

Mr. Jim Kottan  
U.S. Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

**SUBJECT: LETTER REPORT FOR URANIUM ANALYSIS OF ONE WATER SAMPLE,  
SET TEN, FROM THE INDIAN POINT POWER STATION, BUCHANAN,  
NEW YORK**  
[INSPECTION REPORT NO. 050-247/2006-007] [RFTA NO. 06-001]

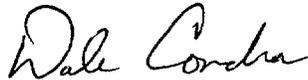
Dear Mr. Kottan:

The Oak Ridge Institute for Science and Education (ORISE) received set ten, which consisted of one water sample, on August 22, 2006 from the Indian Point Power Station in Buchanan, New York. The sample was collected from the Unit 1 Spent Fuel Pool on July 6, 2006 at 0930. The sample was analyzed by alpha spectroscopy (AP11, Revision 3 and CP2, Revision 12) for uranium-234, uranium-235 and uranium-238. The concentrations, uncertainties, and minimum detectable concentrations of those radionuclides were  $0.15 \pm 0.21$ ;  $0.36$  pCi/L,  $-0.05 \pm 0.20$ ;  $0.51$  pCi/L, and  $0.22 \pm 0.18$ ;  $0.11$  pCi/L, respectively.

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, Manager  
Laboratory

RDC:WPI:km

cc: B. Watson, NMSS/DWMEP/DD/SP 7E18  
E. Knox-Davin, NRC/NMSS/TWFFN 8A23  
M. Miller, NRC Region I  
File 1697

E. Abelquist, ORISE  
S. Kirk, ORISE  
J. White, NRC Region I

Distribution approval and concurrence :	Initials
Technical Management Team Member	TSK
Quality Manager	ATP

Voice: 865.241.3242

Fax: 865.241.3248

E-mail: CondraD@orau.gov