

April 6, 2006

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

RECEIVED  
REGION 1  
2006 APR 17 PM 1:28

**SUBJECT: ANALYTICAL RESULTS FOR 10 WIPE TEST SAMPLES FROM ACCELINER SERVICE COMPANY, LTD., DOING BUSINESS AS ONCOLOGY SERVICES, INTERNATIONAL, LAKEWOOD, NEW JERSEY [INSPECTION REPORT NO. 9990001/2006-026] (RFTA NO. 06-001)**

Dear Mr. Ragland:

The Oak Ridge Institute for Science and Education (ORISE) received 10 wipe test samples on March 22, 2006 that were collected at Acceliner Service Company, Ltd., on March 15, 2006. The samples were analyzed using a low-background alpha/beta counter (Procedure CP3, Revision 2). The alpha Minimum Detectable Concentration (MDC) was 8.9 dpm/wipe and the requested beta MDC was 50 dpm/wipe. The alpha and beta data are presented in Table 1. In addition, a qualitative gamma spectroscopy analysis was requested on wipe DU2 to determine if the contamination on the wipe was depleted uranium (DU). This wipe was screened by gamma spectroscopy (Procedure CP1, Revision 15). The ratio of the uranium-235 concentration to the uranium-238 concentration by thorium-234 was 0.01 indicating that the contamination on the wipe was DU.

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:ar

Enclosure

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**TABLE 1**

**GROSS ALPHA AND BETA ACTIVITIES  
 IN WIPE SAMPLES  
 BY LOW BACKGROUND ALPHA AND BETA COUNTING  
 CP3, REVISION 2  
 ACCELINER SERVICE COMPANY, LTD  
 DOING BUSINESS AS  
 ONCOLOGY SERVICES, INTERNATIONAL  
 LAKEWOOD, NEW JERSEY**

ORISE Sample ID	NRC Region I Sample ID	Concentrations (dpm/wipe)	
		Gross Alpha <sup>a</sup>	Gross Beta <sup>b</sup>
1692R0001	F1	-0.4 ± 1.6 <sup>c</sup>	-3.8 ± 5.8
1692R0001	F2	-0.4 ± 1.6	0.5 ± 7.2
1692R0001	F3	-0.4 ± 1.6	1.6 ± 7.5
1692R0001	F4	-0.4 ± 1.6	0.5 ± 7.2
1692R0001	F5	-0.4 ± 1.6	-1.6 ± 6.5
1692R0001	F6	-0.4 ± 1.6	-2.7 ± 6.2
1692R0001	DR1	-0.4 ± 1.6	1.6 ± 7.5
1692R0001	DU1	14 ± 10	17 ± 11
1692R0002	DU2	1,200 ± 100	2,580 ± 220
1692R0001	DU3	760 ± 80	1,970 ± 180

<sup>a</sup>The MDC for gross alpha for a 2 minute count is 8.9 dpm/wipe.

<sup>b</sup>The MDC for gross beta for a 2 minute count is 15 dpm/wipe.

<sup>c</sup>Uncertainties represent the 95% confidence level, based on total propagated uncertainties.