



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

January 18, 2007

Docket No. 030-05302

License No. 29-04236-01

Bart Kaplan  
General Manager  
Canberra Dover, Inc.  
58 Richboynton Road  
Dover, NJ 07801

SUBJECT: INSPECTION 030-05302/2006-001, CANBERRA DOVER, INC.

Dear Mr. Kaplan:

This letter refers to your January 10, 2007, correspondence, in response to our December 12, 2006, letter. Thank you for informing us of the corrective and preventive actions documented in your letter. However, your letter has been reviewed and additional information is still needed. Please submit to this office within seven (7) days of receipt of this letter a written statement containing the requested information.

1. Please provide a description of the instrumentation you are using for counting of leak tests, such as the instrument and/or detector type, manufacturer, model number (for example, Tennelec Model \_\_\_\_\_ gas-flow proportional counter, Beckman Model \_\_\_\_\_ liquid scintillation counter). Also, specify the settings used; if settings are different for counting of alpha emitters, beta emitters, and gamma emitters, specify the settings for each.
2. The information provided used the same background count rate of 8 counts per minute (cpm) for alpha, beta, and gamma counting. Please explain why the same background count was used in the calculations, because it is unusual to measure the same background in all regions. In addition, the background count rate of 8 cpm appears to be unusually low, depending on the type of instrumentation used and the detection settings.
3. Provide the counting time used to collect the background measurement, and the counting time used to collect the source measurement.
  - a. If the counting time was 1 minute, no other information is required. If the counting time was other than that, then the fluctuation in background must be re-calculated, because this calculation is only applicable to counts, not to count rate.
  - b. Similarly, if the time used to collect background counts is different than the time used to collect the source counts, then the net counts must be re-calculated. This calculation is not applicable to count rate.

B. Kaplan  
Canberra Dover, Inc.

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Your cooperation with us is appreciated.

Sincerely,

***Original signed by James P. Dwyer***

James P. Dwyer, Chief  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:  
Norman Bischoff, Radiation Safety Officer  
State of New Jersey

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**SUNSI Review Complete: EUllrich**

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