

May 26, 2005

U.S. Nuclear Regulatory Commission, Region 1  
Attn: Mr. Dennis Lawyer  
475 Allendale Road  
King of Prussia, Pennsylvania 19406-1415

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RECEIVED  
REGION 1

Re: Application for Material License Addendum

Mr. Lawyer,

Enclosed you will find the additional information that was needed to complete the Material License application for USFilter's Alexandria Virginia facility.

***Your application did not fully address leak testing of your sealed sources. Please provide the following information:***

- ***A description of the procedure for leak testing the source***
- ***The instrumentation used to measure activity on the wipe and the lower limit of detectability for this instrumentation.***
- ***The source will be leak tested twice a year. The facility utilizes a leak test kit provided by Valco Instruments. The test is forwarded back to Valco for analysis and reporting. Attached you will find a summary from Valco regarding their testing process.***

***Identify the sealed source you wish to possess by manufacturer and model number.***

- ***The Gas Chromatograph is a Hewlett Packard Model 5890E Series II. The unit serial number is 3336A53290. The source model number is 19233 HP/Agilent Technologies. The serial number is F210.***

***Please provide the name of the RSO and the documentation of training and experience for this individual.***

- ***The RSO at the Alexandria facility is Anthony Griffith. Anthony is the facility plant manager. As identified in the Material Application, the source is a sealed***

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NMSS/RGNI MATERIALS-002


*source, therefore a formal Radiation Safety program is not in place at the facility. The RSO is responsible for the employee training specified in the application for material license at the facility in addition to the security and leak testing activities of the sealed source.*

**Describe how you will preclude the unauthorized removal of licensed material from your facility.**

- *The sealed source is located in the laboratory of the facility office building. Facility staff are trained not to remove the source or perform any maintenance on the unit involving the source. The facility is located within a fenced property, which is manned during regular working hours and locked during non business hours.*

If you have any questions or need additional information, please feel free to contact me at 410-284-1717x 218.

Sincerely,



Michael D. Schorr  
Environmental, Health and Safety Manager



**Valco Instruments Co. Inc.**

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analytical devices/systems

### **PROCEDURE FOR READING RECEIVED WIPE TESTS**

1. Valco Instruments receives the certificate that has been completed by the customer, along with a cotton swab swipe that is encased in a protective container.
2. We then use the Beckman Model LS5000-Fd to calculate the radiation count of the swipe, either Nickel 63 or Hydrogen 3.
3. The Beckman instrument counts the sample for five cycles, then presents an average of those five counts as a number on printed report.
4. The printed report is then taken to the radiation building on our campus. The number from the report is entered on a PC with a program that translates the Beckman numerical values into a readable radiation count.
5. This report is then printed and signed, dated, and the value entered on the original certificate sent to Valco Instruments.
6. The original certificate is sent back to the customer and a copy is made for our records.
7. All readings are completed by Robert Sternberg, our lab technician.