



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

August 3, 2006

Docket No. 03037310  
Control No. 139152

License No. 45-31175-01

Benjamin L. Welch  
Senior Research Scientist  
Dilon Technologies, LLC  
12050 Jefferson Avenue, Suite 250  
Newport News, VA 23606

SUBJECT: DILON TECHNOLOGIES, LLC, REQUEST FOR ADDITIONAL INFORMATION  
CONCERNING APPLICATION FOR NEW LICENSE, CONTROL NO. 139152

Dear Dr. Welch:

This is in reference to your application dated July 13, 2006 applying for a Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

1. Your application should have been signed by a management representative rather than a research scientist. Please submit a letter signed by a management representative indicating that management has reviewed the application and concurs in the statements and representations contained therein. Note also that a management representative should sign all future correspondence that requests a change in your license.
2. In Item 5 of your application, you state that the sealed source is Manufactured by Ludlum Measurement, Inc., Model Number GF-137. Ludlum may be the distributor of this source, please confirm the model number and manufacturer of the source. Please state the series type of the source, if applicable.
3. Item 8 of your application did not discuss the frequency of training for non-authorized users working in the Hot Lab. Appendix J of NUREG-1557, Volume 7, "Program-Specific Guidance about Academic Research and Development, and Other Licenses of Limited Scope," recommends an annual refresher training.
4. Item 10, Material Receipt and Accountability, of your application appears to have a typographical error in your statement. Please confirm that you will follow the guidelines established in Appendix N of NUREG-1556, Volume 7.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

B. Welch  
Dilon Technologies, LLC

2

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 139152. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5366.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Dennis R. Lawyer***

Dennis R. Lawyer  
Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

B. Welch  
Dilon Technologies, LLC

3

DOCUMENT NAME: E:\Filenet\ML062150301.wpd

**SUNSI Review Complete: DLawyer**

After declaring this document "An Official Agency Record" it will be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	DNMS/RI	<input type="checkbox"/>		
NAME	DLawyer/DRL							
DATE	08/03/2006							

OFFICIAL RECORD COPY