

Hammond, Michelle

From: Hammond, Michelle
Sent: Wednesday, September 14, 2011 3:07 PM
To: 'hawluau@yahoo.com'
Subject: RE: REQUEST FOR ADDITIONAL INFORMATION

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License No.: 53-19305-01
Docket No.: 030-17298
Control No.: 575327

Dear Mr. Leong:

This e-mail is to follow-up our phone conversation regarding your application dated May 31, 2011 requesting a renewal for Nuclear Regulatory Commission License 53-19305-01. In order to continue our review, we need the following information:

- 1) ***Please confirm that you will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by a NVLAP-approved processor that is exchanged at a frequency recommended by the processor. (based on our discussion regarding the documents being destroyed in a fire, you can either contact the provider of dosimetry for a copy of the records, or show by calculation that unmonitored individuals are not likely to receive 10% of the allowable limits to show compliance for future inspections, however, at this time, I need confirmation or a statement that you will do so)***
- 2) ***Please confirm that you will implement and maintain operating, emergency, and security procedures from Errata:Appendix H NUREG-1556 Vol.1 Rev.1***
- 3) ***Please confirm that for Routine Cleaning and Lubrication, you will implement and maintain procedures for routine maintenance of your gauge according to each manufacturer's recommendations and instructions.***
- 4) ***Please confirm that for Non-Routine Maintenance you will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.***

Feel free to contact me if you have any questions (817-860-8127).

We will continue our review upon receipt of this information. Please reply to my attention at the Region IV Office and refer to Mail Control No. 575327. Please respond to this e-mail by September 30, 2011. You may reply via e-mail as long as the response is attached in a PDF format or by fax to 817-860-8188.

Thanks.

Best Regards,

*Michelle M. Hammond, MSc
Health Physicist
U.S. Nuclear Regulatory Commission, R-IV*

OCT - 5 2011

Application for Material License Renewal

DNMS

5 & 6. **Radioactive Materials**

Cesium-137 sealed source in a compatible gauge, not to exceed 10 mCi per source as specified in Sealed Source and Device Registration Sheet. For use in measuring properties of materials.

Americium 241:Beryllium sealed neutron source in a compatible gauge, not to exceed 50 mCi per source as specified in Sealed Source and Device Registration Sheet. For use in measuring physical properties of materials.

7. **Responsible Individual and Training.**

Arnold WF. Leong trained by Troxler Laboratories

8. **Training for Individuals working in or frequenting restricted areas.**

Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria section entitled *Training for Individuals Working or Frequenting Restricted Areas* in NUREG 1556 Vol. 1 date May 1997.

9.

10. **Radiation Safety Program –
Survey Instruments**

We will either possess and use or have access to and use, a radiation survey meter that meets the Criteria section entitled *Radiation Safety Program – Survey Instruments* in NUREG 1556 Vol. 1 dated May 1997.

Material Receipt and Accountability

Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.

Occupational Dosimetry

We will maintain for inspection by NRC, documentation that unmonitored individuals are not likely to a radiation dose to in excess of 10% of the allowable limits in 10 CFR Part 20, or we will provide Dosimetry processed and evaluated by a NVLAP approved processor that is exchanged at a frequency recommended by the processor.

Operating , Emergency and security Procedures.

We will implement and maintain the operating , emergency and security procedures in Appendix H of NUREG 1556 Vol. 1 dated May 1997 and provide copies to all authorized gauge users and will have copies available with the gauge at all job sites.

Leak Test

Leak tests will be performed at intervals approved by the **NRC** or *Agreement State* and specified in the Sealed Source and Devices Registration Sheet. The licensee using a test kit provided by Troxler Labs and trained according to their instructions will perform leak test wipes utilizing the tongs and a wooden dowel to perform the wiping. The sampling filter paper will not be handled by human hands. Analysis of the wipes will be by Troxler Labs.

Maintenance

Routine cleaning and Lubrication

We will implement and maintain procedures for routine maintenance of the gauge according to the manufacturer's recommendations and training received.

Non-Routine Maintenance

We will send the gauge to the manufacturer to perform non-routine maintenance that will require the removal of the source or source rod from the gauge.