

Raytheon

Raytheon  
License No. 13-32847-01  
Control Number 577850

To: Sandra Merritt - Raytheon  
From: Toye L. Simmons, License Reviewer, NRC, Region III

I have reviewed your request for a new NRC license dated July 5, 2012, and I have several questions that need a response before I can complete my review. Please respond to the following in writing on company letterhead with a management signature:

1. Please provide the radiation safety training and experience for the proposed radiation safety officer and the proposed authorized user. Please see NUREG-1556, Volume 7, pages 8-14 through 8-17 for reference as to the type of training and experience required.
  2. Please provide a description of the radiation safety training for individuals who may use or frequent areas where radioactive material will be used. Please include the topics to be covered, groups of workers to be trained, assessment of training, method and frequency of training, and who will provide the training.
  3. Please confirm that you will have available an operable survey instrument in the event of an incident involving the radiation material.
  4. Please describe your radiation survey program. Please see NUREG-1556, Volume 7, Section 8.10.7 "Surveys" for reference as to the type and frequency of surveys that may be required.
  5. Please confirm that Raytheon has done (or will do) a prospective evaluation and determined that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or Raytheon will monitor individuals in accordance with the criteria in the section entitled 'Radiation Safety Program-Occupational Dose' in NUREG-1556, Volume 7, dated December 1999.
  6. It is not clear to me whether the Am-241 is in a source holder or a device or an instrument or all three. Please clarify your purpose for which the material will be used and define "device", "instrument" and "source holder".
  7. Item 10 on page 4 of your application states that 'if the device is no longer to be used, arrangements will be made to safely transfer the device back to the manufacturer for reuse or disposal'. Who is the manufacturer?
  8. Please confirm that procedures for safe use, including security of materials, and emergencies have been developed, or will be developed before receipt of licensed material.
  9. As discussed in our telephone conversation of 7/26/12, additional fees are required. You submitted a check for \$1300.00 the balance due is \$2200.00. While I can and will address your responses to the above issues, the license cannot be issued until all fees are paid.
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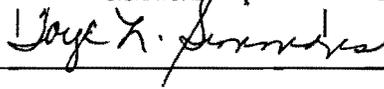
Submit a **signed** written response addressing the items described above within **20 days of the date of this record**. You may FAX your response to me at 630-515-1078. Please reference the control # 577850 in your response. Or you may email your response to me at [toye.simmons@nrc.gov](mailto:toye.simmons@nrc.gov). If you have any questions regarding the above, please contact me at 630-829-9842.

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NAME OF PERSON DOCUMENTING CONVERSATION

Toye L. Simmons

SIGNATURE



DATE

July 30, 2012

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