

From: Tran, Frank
To: Blasio, Christopher J. (GRC-QSHO)
Subject: Request for additional information for NRC License No. 34-00507-16
Date: Friday, January 11, 2019 9:25:00 AM

Dear Mr. Blasio:

This refers to the license amendment request from the NASA John H. Glenn Research Center, NRC License No. 34-00507-16 (CN610363). Based on our review, we determined that additional information will be needed to complete the review.

Please provide names of individuals who will use or supervise the use of the Am-241/Be sealed source (QSA Global, Inc. Model AMN.V340) and information regarding their education and training and experience related to the use of Am-241 sealed sources as discussed in Section 8.7.2 in NUREG-1556, Volume 7, Revision 1. The link to this NUREG is <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/>.

Please note that an AU should have (i) a college degree at the bachelor's level or equivalent training and experience in physical, chemical, biological sciences, or engineering; and (ii) training and experience commensurate with the scope of proposed activities.

For (ii) above and for each proposed user please provide the following: a) his/her formal training or education in radiation safety [topics covered; duration of training; when training was received; identity and location of training provider (note: a course outline may be provided). Training should include the following subjects:

- Radiation protection principles
- Characteristics of ionizing radiation
- Units of radiation dose and quantities
- Radiation detection instrumentation
- Biological hazards of exposure to radiation (appropriate to the types and forms of byproduct material to be used)]

and b) hands-on use of radioactive materials related to Am-241 sealed source or equivalent [including radioactive isotope; forms (sealed or unsealed, dispersible or non-dispersible, volatile or non-volatile); quantities handled; activities performed; duration of experience; when training was received; and identity and location of training provider.] The amount of training and experience needed will depend upon the type, form, quantity, and proposed use of the licensed material requested.

Please provide the response by January 25, 2019 and please indicate Mail Control No. 610363 in the response to facilitate proper mail handling in our office. You could fax the response with a signed cover letter to 630-515-1078.

If you have any question or need any clarification regarding the above, please contact me at 630-829-9623 or reply to this email.

Thank you.

Frank Tran

Health Physicist/License Reviewer

NRC Region III/Division of Nuclear Materials Safety

Phone: 630-829-9623

Fax: 630-515-1078

Email: Frank.Tran@nrc.gov

