

From: Tran, Frank
To: michael.j.kohls@boeing.com
Subject: Request additional information regarding the renewal application for NRC License No. 24-02261-03
Date: Friday, July 23, 2021 2:19:00 PM

Dear Mr. Kohls:

This refers to the renewal application dated May 25, 2021 for The Boeing Company, NRC License No. 24-02261-03. We have reviewed the application in accordance with NUREG-1556, Volume 5, Rev. 1, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Self-Shielded Irradiator Licenses" and NUREG-1556, Volume 7, Rev. 1, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope" and will need the following information.

1. Your current license (Amendment No. 68) is authorized for J.L. Shepherd Model 6810 sealed source for use in a J.L. Shepherd Model 81-6 irradiator/calibrator for calibration. However, information for J.L. Shepherd Model 6810 sealed source was not provided. If the licensee will continue to use J.L. Shepherd Model 6810 sealed source, please confirm.
2. The licensee provided the SSD Certification # CA598D115S for J.L. Shepherd Model 81-6 irradiator. However, the current certificate (CA598D115S) in our database is for Model 81 series with Model 81-8 and above only; it does not list Model 81-6 (please confirm the model number). Please provide a copy of the SSD certificate for the irradiator/calibrator. If the SSD will not be located, please confirm that the licensee will follow the manufacturer's operating and emergency procedures or provide a copy of the operating and emergency procedures for the device.
3. Your license is currently authorized for Isotope Products Laboratories Model AP Series in Item 7.C.; however, the application did not discuss it. If you would like to remove this model from your license, please provide a history of use for this model and a copy of record of final disposal or transfer. If the licensee has never possessed this type of sources, please state.
4. Your license is currently authorized for possession of activation products incident to the removal and reinstall of components on test articles for the U.S. Air Force at 2600 North Highway 94, St. Charles, Missouri. However, this was not discussed in the application. If you would like to remove this location for the license, please provide a request with information related to the decommissioning of the related facility at 2600 North Highway 94, St. Charles, Missouri (e.g., history of use, a receipt of licensed material transfer, close out radiation survey (area radiation surveys and wipe tests with a diagram of the facility indicating where wipe tests were collected, who performed the survey, date of the survey, instrument use with calibration date, background radiation levels, wipe test results in dpm), a confirmation that all licensed material and residue from licensed activities have been removed).

5. In Item 7.2 of the application, the licensee stated that before using Am-241 sealed sources the users will receive Boeing's "Radiation Protection Basic Safety training", and "Safety/Handling Procedures for Laser Transceivers (L TRs) Containing Am-241". Please provide a copy of "Radiation Protection Basic Safety training", and "Safety/Handling Procedures for Laser Transceivers (L TRs) Containing Am-241".
6. Please specify where licensed material will be used and stored and provide a facility diagram with descriptions (indicate scale/dimensions; specify shielding materials; indicate the storage areas, use areas, surrounding areas (including above and below); indicate the restricted areas). You could review the current facilities and equipment in the tied-down document listed in License Condition 19 and the specific locations of use listed in License Condition 10 and make any updates as necessary.
7. Currently, sealed sources containing a small quantity of Am-241 listed in the license (Item 6.C.) are authorized for use as the licensee's temporary jobsites. However, the application did not address this. If you would like to continue using those sources at temporary jobsites and also at other licensee's locations, please specify.

To continue review of your application, we request that you submit your response under a dated and signed cover letter within 30 days. In the cover letter, please refer the license number, docket number and Mail Control No. 626893. If you have questions, require additional time to respond, or require clarification on any of the information stated above, please contact me at 630-829-9623 or reply to this email.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this correspondence will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <https://www.nrc.gov/reading-rm/adams.html>.

Best regards,

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