

From: Tran, Frank
To: josbahr@libertyhospital.org
Cc: dhaley@libertyhospital.org
Subject: RE: Request for additional information for NRC License No. 24-16178-01
Date: Wednesday, October 13, 2021 5:49:00 PM

Dear Ms. Osbahr:

In the letter dated July 29, 2021, you requested to delete depleted uranium from the NRC License No. 24-16178-01 for Liberty Hospital. Based on the Sealed Source and Device Registry (SSDR) CA-8254-D-802-S, the ADAC Laboratories Mode MCD/AC System is an attenuation correction device containing two shields (or beam sharper units) of depleted uranium with 25 pounds each. The depleted uranium is covered in stainless steel. The device is an addition to the current ADAC Laboratories MCD imaging system to allow for improved image quality through the sequential acquisition of both transmission and emission data with the final image being corrected for attenuation. The units can be removed easily from the gamma camera for storage.

The ADAC Laboratories Mode MCD/AC System contained DU in stainless steel plates was added to your license on July 24, 1998 (License Amendment No. 23). The system had two Isotope Products Laboratories Model HEG-137 sealed sources. The system was used by Primall Gukhool, M.D., Robert MacNaughton, II, M.D., Larry Nussbaum, M.D., Mary MacNaughton, M.D., Lawrence Lee, M.D., and Steven Hannah, M.D. On June 15, 2000, your license was amended to add David Phelan, M.D., as another authorized user of the system. In the letter dated February 6, 2003, Liberty Hospital confirmed that it used a Cs-137 sealed source with a maximum activity of 30 mCi. Isotope Products Laboratories Model HEG-137 sealed sources contained Cs-137 was removed from your license in License Amendment No. 33 dated August 26, 2003 because the sealed sources were authorized under 10 CFR 35.65(a)(1) or (2) and did not need to be listed in the license in accordance with 10 CFR 35.65(c).

Based on our policy, we will need the receipt of the transferring of the ADAC Laboratories Mode MCD/AC System if it has been transferred to an authorized license. If only Cs-137 sealed sources were removed from the system, the ADAC Laboratories Mode MCD/AC System may be still in the gamma camera. We will need the following.

1. the receipt of the transferring of the ADAC Laboratories Mode MCD/AC System if it has been transferred to an authorized license (you could contact the transferee for their confirmation in writing); or
2. a confirmation that the ADAC Laboratories Mode MCD/AC System is still in the gamma camera; or
3. a confirmation from the seller (vendor/manufacture) of Cs-137 sealed sources and the seller of the gamma camera that the ADAC Laboratories Mode MCD/AC System has never sold to you.

To continue the review of your application, we request that you submit your response under a dated and signed cover letter by October 28, 2021. In the cover letter, please refer the license number, docket number and Mail Control No. 628105. We will assume that you do not wish to further pursue this licensing action if we do not receive a reply within the specified timeframe noted above.

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 Title 10 of the *Code of Federal Regulations* (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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