

Tran, Frank

From: Tran, Frank
Sent: Monday, May 13, 2019 12:12 PM
To: 'vanhornnd@umkc.edu'; 'vanhornj@umkc.edu'
Subject: Request for additional information regarding NRC License No. 24-00513-37
Attachments: Model Delegation of Authority to RSO.docx

Dear Dr. Van Horn:

This refers to the license amendment request dated April 25, 2019, from Curators of the University of Missouri – Kansas City, NRC License No. 24-00513-37. Based on our review, we determined that additional information will be needed to complete the review.

- 1) You requested to name Ms. Mary Donahue as a new Radiation Safety Officer (RSO) on the license. Based on our policy, please provide a copy of the delegation of authority for RSO (a sample is attached for your reference) and her official contact information (phone, fax, email, etc.) In addition, it appears that she has been the RSO on a license issued by the NRC and permits issued USAF Radioisotope Committee, a NRC Master Materials Licensee (MML). Please help us to understand how she will effectively manage your radiation safety program including timely responding to emergency and resources to adequately oversight the radiation safety program.
- 2) You requested sodium-22 in any physical/chemical (non-volatile) form to be added to the license and to list you as the user for it. In Attachment 1, you stated that this authorization was previous authorized under your Broad Scope license for research and development. Please provide a copy of the authorized user permit which was approved by the Radiation Safety Committee related to this authorization issued to you.
- 3) It has come to my attention that Items 7.H. and 9.H. are not consistency. Specifically, Item 7.H. listed sodium-22 as a sealed sources and Item 9.H. listed the same as unsealed material. Based on 10 CFR 30.35(a)(1), if unsealed licensed byproduct material with half-life greater than 120 days exceeds 10^5 times Appendix B quantities, the licensee must provide a decommissioning funding plan. Sodium-22 is not listed in Appendix B; therefore, the default value for any radionuclide other than alpha emitting radio-nuclides will be used (it is 0.1 microcurie). Please describe the use of sodium-22 listed in Item 6.H. In addition, please specify the physical form (sealed or unsealed) of it.

Please provide the response in writing with proper signature and date by June 13, 2019 and please reference Mail Control No. 612032 in the response to facilitate proper mail handling in our office. You could fax the response 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

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