

From: Tran, Frank
To: ehler1ja@cmich.edu
Subject: Request additional information for NRC License No. 21-01432-02 for Central Michigan University
Date: Friday, May 6, 2022 3:22:00 PM

Dear Dr. Walton:

We have reviewed the license renewal application dated March 17, 2022, for Central Michigan University, NRC Materials License No. 21-01432-02. Based on the review, we will need the following additional information.

1. The licensing guidance provides that if the licensee will use licensed materials which may become airborne, the licensee should provide the facility diagrams with schematic descriptions of the ventilation systems including pertinent airflow rates, pressures, filtration equipment, and monitoring systems. Please describe the chemical/physical form of unsealed licensed material (e.g., bound, volatile, or dispersible). If Central Michigan University will use licensed materials which may become airborne, please provide the information above (diagrams should be drawn to a specified scale, or dimensions should be indicated.)
2. The application indicates that the Central Michigan University will utilize radioisotope chemical fume hoods with filter in certain rooms. Is the fume hood negative pressure comparing to the surrounding areas? What are the type of filters in the ventilation system (e.g., HEPA filter or charcoal filter)?
3. Provide a confirmation that the Central Michigan University will only acquire the sealed source which is registered as an approved sealed source with NRC or an Agreement State and will be possessed and used in accordance with the conditions specified in the registration certificate.
4. Provide a description of uses in animals including any plan to release animals studied with licensed material to the environment.
5. Provide a description of tracer or field studies with licensed material. Is there plan to release licensed material to the environment for field studies?
6. Provide an aerial image of the location of use (campus) and indicate the buildings as listed in Item 3 of your application.
7. The campus of Central Michigan University has many buildings and rooms which will be used with license material; therefore, Central Michigan University has the option to submit copies of the facility diagram for all areas of use or to submit a copy of a generic laboratory or room diagram.
8. In the training program, certain individuals will be provided with the instruction for waste incineration. If Central Michigan University plans to compact or incinerate radioactive waste, please provide the information associated with those activities as

discussed in Appendix P of NUREG-1556, Volume 7, Revision 1. If not, please state.

9. Provide a copy of the memo of the delegation of authority for the Radiation Safety Officer signed by the management and the proposed RSO (a sample is listed in Appendix E of NUREG-1556, Volume 2, Revision 1).

To continue the review of your application, we request that you submit your response under a dated and signed cover letter by June 6, 2022. In the cover letter, please refer the license number, docket number and Mail Control No. 630524. 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,

Frank Tran

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References:

- NUREG-1556, Volume 7, Revision 1: <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/index.html>