

From: [Frank Tran](#)
To: paul.jursinic@wmed.edu
Subject: Request additional information for NRC License No. 21-35421-01 for WMU Homer Stryker M.D. School of Medicine
Date: Friday, July 7, 2023 3:35:00 PM

Dear Dr. Jursinic:

We have reviewed the amendment request dated June 13, 2023, for NRC Materials License No. 21-35421-01 for WMU Homer Stryker M.D. School of Medicine. Specifically, WMU Homer Stryker M.D. School of Medicine (the licensee) requests to add an area of use and a new user.

Title 10 of the *Code of Federal Regulations* (10 CFR) 30.33(a)(3) requires the applicant to be qualified by training and experience to use the material for the purpose requested in such manner as to protect health and minimize danger to life or property. The NRC licensing guidance in NUREG-1556, Volume 7, Revision 1, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Academic, Research and Development, and Other Licenses of Limited Scope", provides the acceptance criteria for training and experience for the proposed users.

Based on the information provided, Kyle Schneider, Ph.D. was trained in radiation safety before July 2015 and his work with phosphorus-32 in microcuries quantity was more than 7 years ago. Please provide information that Kyle Schneider, Ph.D. has been trained in radiation safety (radiation protection principles, characteristics of ionizing radiation, units of radiation dose and quantities, radiation detection instrumentation, and biological hazards of exposure to radiation (appropriate to the types and forms of byproduct material to be used)) in the last 7 years.

Kyle Schneider, Ph.D. worked with up to 10 microcuries of phosphorus-32, a beta emitter with high energy, in a research in 2015. The licensee requests authorization for Kyle Schneider, Ph.D. to use carbon-14, hydrogen-3, and sulfur-35 which are beta emitter with low energy and more difficult to detect and quantify in comparison to phosphorus-32. Please provide information that Kyle Schneider, Ph.D. has been trained and worked (hands-on experience) with carbon-14, hydrogen-3, and sulfur-35 or equivalent. The information should include radionuclides, forms, quantities handled, activities performed, and duration of experience.

To continue the review of the application, we request that the licensee submits the response under a dated and signed cover letter by August 7, 2023. In the cover letter, please reference the license number and Mail Control No. 636048. 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>.

Sincerely,

Frank Tran

Senior Health Physicist/License Reviewer

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References:

NRC Regulations: <https://www.nrc.gov/reading-rm/doc-collections/cfr/index.html>

NUREG-1556 Series: <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/index.html>