



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 E. LAMAR BLVD
ARLINGTON TX 76011-4511

May 5, 2023

Haitao Dong, PhD
Radiation Safety Officer
Colorado School of Mines
1500 Illinois Street
Golden, CO 80401

SUBJECT: SUSPENSION OF REVIEW OF NEW LICENSE APPLICATION DATED
OCTOBER 17, 2022 FOR COLORADO SCHOOL OF MINES

Dear Dr. Dong:

We have reviewed your new license application dated October 17, 2022, for a U.S. Nuclear Regulatory Commission (NRC) license. You have requested authorization for storage and use of radioactive materials for research and development purposes at the Denver Federal Center, an area of exclusive legislative jurisdiction. Your application has been docketed electronically and assigned Agencywide Documents Access and Management System (ADAMS) Accession No. ML22341A263 and has been designated as a non-publicly available document.

Based on the review, our office determined that the application is lacking significant amounts of information that is needed from you to continue review of your new license application. To date, that information has not been provided to our office. Accordingly, we have suspended review of your application pending receipt of the additional information. This additional information consists of the following.

1. Provide a detailed description of the research and development activities involving the use of each radionuclide listed in the table described in the license application.
2. Provide an emergency plan for responding to a release of unsealed radioactive material or provide a dose evaluation showing that the maximum dose to a person offsite due to a release of radioactive materials would not exceed 1 rem effective dose equivalent or 5 rems to the thyroid, as required by 10 CFR 30.32(i). This regulation can be found at: <https://www.nrc.gov/reading-rm/doc-collections/cfr/part030/part030-0032.html>.
3. Provide a site-specific decommissioning funding plan and decommissioning financial assurance instrument following the NRC guidance established in NUREG-1757, Volume 3, revision 1. This NRC guidance document can be found at: <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1757/index.html>.
4. Provide training and experience documentation for researchers Thomas E. Albrecht-Schönzart and Joseph M. Sperling. Include description of radiation safety training and experience using radioactive materials (types, forms, quantities handled, activities performed, duration of experience). Also include copy of the radioactive materials license issued to Florida State University by the State of Florida listing these two researchers as authorized users. If the Florida State University license is a broad scope license, include copies of the permits issued by the broad scope licensee to each researcher.

5. Provide detailed description of facilities and equipment as described in page B-5 of NUREG-1556, Volume 7, revision 1.

Please note that the NRC staff will use the Appendix B checklist of NUREG-1556, Volume 7, revision 1, to review your license application and additional deficiencies may be identified during the technical review and will be communicated to you at a later date under separate correspondence. NUREG-1556, Volume 7, revision 1, can be found at:

<https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v7/index.html>.

To continue review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter. In your response, which needs to be submitted in a signed and dated letter, please refer to the docket number and control number specified below. We will assume that you do not wish to further pursue this new license application if we do not receive a reply within the specified timeframe noted above.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of NRC's "Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from ADAMS, accessible from the NRC Web site at <https://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

Roberto J. Torres, M.S., Senior Health Physicist
Materials Licensing Branch

Docket No.: 030-39328
Control No.: 633717