



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

JUN 05 2017

Mohammed Aljallad, Ph.D.
Radiation Safety Officer
Children's Mercy Hospital
2401 Gillham Rd.
Kansas City, MO 64108

Dear Dr. Aljallad:

Enclosed is Amendment No. 49 to your NRC Material License No. 24-15513-01 in accordance with your February 23, 2017 (ML17066A248) letter, with the exception of adding a temporary jobsites authorization for the use of technetium-99m for shielding integrity testing. Please also note that we have: (1) deleted Condition No. 14, (2) have updated Condition Nos. 14, 16, and 17 to the most recent version of your license in accordance with current NRC standard conditions, (3) have limited diagnostic uses for added AU Manish K. Kotecha, M.D. to those permitted under Title 10 of the *Code of Federal Regulations* Sections 35.100 and 35.200, and (4) have retained the AU status for former AU Nanci A. Burchell. Our decisions were based on limited information contained in your request, and on changes to NRC licensing procedures and policy.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note that – as we discussed – we have reviewed the temporary jobsites shielding testing request in your February 23, 2017 letter. We have found that – at a minimum - the request is unclear with respect to licensee control of temporary jobsites, transportation, overall possession limit, training requirements, and your training and experience qualifying you to be listed as an AU, to be associated with the request. Accordingly, at a minimum, the following additional information is needed to continue our review of this request:

- (1) Radionuclide, form, per location/vial, overall possession limit(s), and description of proposed authorized use;
- (2) Explanation as to how the proposed authorized use meets the As-Low-As-Reasonably-Achievable (ALARA) principles expected of NRC licensees (i.e. what other alternatives are available and why is this use the best option, in terms of ALARA?)
- (3) Description of the area(s)/location(s) of temporary jobsites including but not limited to:
 - Licensee control and/or ownership of the location,
 - Security of facility,
 - Sample diagram or description of an area to be used under the authorization,
 - How the area(s) will be closed out and/or released, and
 - Records to be retained for each such authorized use;

The enclosed document contains sensitive security-related information.
When separated from this cover letter this letter is uncontrolled.

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- (4) Description of transportation requirements, including whether material will be shipped to temporary jobsites, or to another location listed on the licensee's license and how those transfers would occur;
- (5) Training and experience requirements for individuals working under this authorization;
- (6) Authorized users for this authorized use including:
 - Name
 - Training and Experience
 - Confirmation any use will be under the supervision of listed authorized users
- (7) Waste program description including:
 - Waste storage at the temporary jobsites
 - Any planned use of decay-in-storage and/or sewerage disposal pathways
 - Plans to transfer waste to other licensee facilities (including specific location)
 - How final disposition of material will be tracked.

Please note that the list above is cursory and preliminary. To resubmit your request, you may send under a signed and dated cover letter to the Region III office. In addition, to request changes to authorizations for Dr. Burchell and Dr. Kotecha, please send a signed and dated letter requesting the same, and including documentation of relevant training and experience, as applicable. Please do not hesitate to contact me at (630) 829-9892 with any questions you may have concerning this request.

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

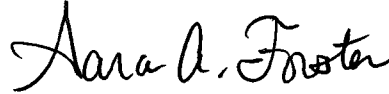
NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system. Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability. The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions regarding protection of security related sensitive information may be located at: <http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

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A copy of this letter will be 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 <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,



Sara A. Forster, M.S.
Health Physicist
Materials Licensing Branch

License No. 24-15513-01
Docket No. 030-09259

Enclosure: Amendment No. 49