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UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

AUG 05 2016

Susan Langhorst, Ph. D.
Radiation Safety Officer
Washington University in St. Louis
Campus Box 8053
660 S. Euclid Avenue
St. Louis, MO 63110-1093

Dear Dr. Langhorst:

Enclosed is Amendment No. 90 to your NRC Material License No. 24-00167-11 in accordance with letters dated May 5, 2016, and June 23, 2016. Please note that the changes made to your license are printed in **bold font**.

This is in reference to our telephone conversation on August 2, 2016, regarding your request dated May 10, 2016 for an addition of several radiopharmaceuticals (copper-64 (Cu-64), zirconium-89 (Zr-89) and gallium-68 (Ga-68)) for distribution. Based on our discussion, we will continue our review of this request upon completion and issuance of NRC guidance pertaining to the Ga-68 radiopharmaceutical.

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.

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 Code of Federal Regulations 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability.

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

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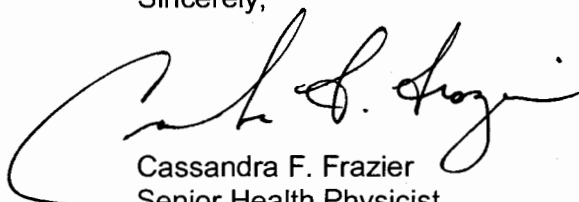
S. Langhorst

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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>.

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,



Cassandra F. Frazier
Senior Health Physicist
Materials Licensing Branch

License No. 24-00167-11
Docket No. 030-02271

Enclosure: Amendment No. 90

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