

~~OFFICIAL USE ONLY – SECURITY – RELATED INFORMATION~~

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 21, 2017



Mr. Richard F. Kayser
Chief Safety Officer
U.S. Department of Commerce
National Institute of Standards
and Technology
100 Bureau Drive
Gaithersburg, MD 20899

SUBJECT: LICENSE AMENDMENT REQUEST, LICENSE SNM-362 (DOCKET 07000398)
(COST ACTIVITY CODE 000222/07000398)

Dear Mr. Kayser:

On October 7, 2017 you submitted a License Amendment Request (Agencywide Documents Access and Management System [ADAMS] Accession Number ML17290A363) to the U.S. Nuclear Regulatory Commission (NRC) to seek authorization for commencement of construction of a new irradiator facility, to be included in the expansion of Building 245. Building 245 is preparing to undergo a planned expansion to provide additional working space to carry out the U.S. Department of Commerce, National Institute of Standards and Technology (NIST) mission. The requested amendment was for construction only in accordance with Part 36. The installation of an irradiator is not authorized or requested. A Safety Evaluation Report is enclosed addressing the details of the review.

License condition Number 10 of SNM-362 has been modified to include your October 7, 2017 letter, in which you provide a description of the requested changes and the basis of the request. Public and non-public versions of Amendment 8 to NIST SNM-362 license are included in Enclosures 3 and 4 of this letter, respectively. License condition Number 10 has been revised as follows:

10. Authorized Use: For use in accordance with statements, representations, and conditions of the licensee's renewal application dated June 29, 2007; and revised on June 24, 2010; March 23, 2011; June 5, 2013; October 31, 2013; December 27, 2013; November 14, 2016; January 5, 2017; January 11, 2017; March 31, 2017; and October 7, 2017.

Documents transmitted contain **Security - Related Information** in Enclosure 3. When separated from enclosure 3, this letter is decontrolled.

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In accordance with Title 10 of the *Code of Federal Regulations*, Section 2.390 of NRC's "Agency Rules of Practice and Procedure," a copy of this letter and public versions of the enclosures 1 and 2 will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records System component of the NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Enclosure 3 will not be publically available.

If you have any questions regarding this matter, please contact me at (301) 415-7352, or via e-mail at Tyrone.naquin@nrc.gov.

Sincerely,

/RA RJohnson for/

Tyrone D. Naquin, Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Documents transmitted contain Security - Related Information in Enclosure 3. When separated from enclosure 3, this letter is decontrolled.

Docket No. 70-398

Enclosures:

1. Safety Evaluation Report (Public)
2. SNM-362 License (Public)
3. SNM-362 (Non-public)

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ADAMS Package Accession Number: ML17306A942

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