



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

January 16, 2018

Mr. Mitchell S. Galanek
MIT Radiation Protection Officer
77 Massachusetts Avenue
Room N52-496
Cambridge, MA 02139

SUBJECT: LICENSE AMENDMENT REQUEST, LICENSE SNM-986 (DOCKET 07000938)
(COST ACTIVITY CODE 000222/07000938)

Dear Mr. Galanek:

This refers to your letter dated October 25, 2017 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML17300A001), which submitted a License Amendment Request (LAR) to reinstate the use of solid natural uranium rods to be used for experimentation in the Massachusetts Institute of Technology (MIT) Graphite Exponential Pile, located within the restricted area of the MIT Nuclear Reactor Laboratory. On February 24, 2016, in your license renewal application (ADAMS ML16081A295), which was approved on December 14, 2017 (ADAMS ML17086A514), you had requested to continue a "storage only" designation of this material. The intent of the request is to enable the use of this material as a part of the nuclear engineering curriculum as described in your submittal.

The LAR is approved and documented under condition License Condition (LC) 10, approving the use of licensed materials as described in your application dated October 25, 2017. Additionally, on July 20, 2017 (ADAMS ML17300A098), your Agreement State License with the Commonwealth of Massachusetts was amended to accept depleted uranium (DU) that has been listed on your Special Nuclear Materials (SNM) License, SNM-986. Title 10 of the *Code of Federal Regulations* (10 CFR) Section 40.21, "General License to Receive Title to Source or Byproduct Material," provided relief from the requirement for a specific license for DU. License condition 6.I. has been deleted. All other LCs remain the same.

In accordance with 10 CFR 2.390 of the U.S. Nuclear Regulatory Commission's (NRC's) "Agency Rules of Practice and Procedure," a copy of this letter and enclosures 1 and 2 will be available electronically for public inspection in the NRC Public Document Room or from the NRC's ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Document transmitted contains Security
Related Information. When separated
from Enclosure 3, this document is
decontrolled.

M. Galanek

2

If you have any questions regarding this matter, please contact me by phone at (301) 415-7352 or via e-mail to 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

Docket No. 70-938
License No. SNM-986

Enclosures:

1. Safety Evaluation Report (Public)
2. License SNM-986 (Public)
3. License SNM-986 (Non-Public)

Document transmitted contains Security Related Information. When separated from Enclosure 3, this document is decontrolled.

M. Galanek

3

SUBJECT: LICENSE AMENDMENT REQUEST, LICENSE SNM-986 (DOCKET 07000938)
(COST ACTIVITY CODE 000222/07000938)

Dated: January 16, 2018

DISTRIBUTION: FCSE r/f

EUIrich/R1

ADAMS Package Accession No.: ML17355a483

OFFICE:	FCSE/FMB	FCSE/FMB	FCSE/FMB	FCSE/FMB
NAME:	TNaquin	TBrockington	RJohnson	RJohnson for TNaquin
DATE:	12/19 /2017	1/8/2018	1/16/2018	1/16/2018

OFFICIAL RECORD COPY