

April 24, 2014

Mr. Israel Ruiz  
Executive Vice President and Treasurer  
Massachusetts Institute of Technology  
77 Massachusetts Avenue  
Building 4-204  
Cambridge, MA 02139-4307

SUBJECT: ANNUAL SELF-GUARANTEE, SPECIAL NUCLEAR MATERIALS LICENSE  
SNM-986, R-37 (TECHNICAL ASSIGNMENT CONTROL NUMBER L33306)

Dear Mr. Ruiz:

On January 8, 2014, you submitted a document with a Certified Amount of Financial Assurance and associated Annual Self-Guarantee Test with respect to U.S. Nuclear Regulatory Commission (NRC) Special Nuclear Materials (SNM) license SNM-986 and Research Reactor (R-37) for the Massachusetts Institute of Technology (MIT). The Special Projects Branch of the Division of Waste Management and Environmental Protection in the Office of Federal and State Materials and Environmental Management Programs conducted the technical review of the adequacy of the submittal for the materials license, SNM-986. The Financial Analysis and International Projects Branch of the Division of Inspection and Regional Support in the Office of Nuclear Reactor Regulation performed the technical review of the adequacy of the submittal for the reactor license, R-37.

The staff confirmed that the self-guarantee meets or exceeds the financial test criteria for a non-profit university that issues bonds, is acceptable for providing decommissioning funding assurance, and complies with Title 10 of the *Code of Federal Regulations* (10 CFR) 70.25(f)(2), Appendix E to 10 CFR Part 30, and NUREG-1757, Volume 3, Rev. 0. A Safety Evaluation Report is enclosed addressing the details of the review. The Decommissioning Planning Rule became effective on December 17, 2012, and contains a requirement for a Standby Trust Agreement (STA) to be in place for licensees using a Self-Guarantee as a financial instrument. The MIT supplied an executed STA on April 10, 2014, Agencywide Documents Access and Management System (ADAMS) Accession Number ML14101A162. The STA was reviewed and found to be in compliance with the regulations regarding decommissioning financial assurance. Therefore, the licensee submittal for 2014 is satisfactory.

This is a reminder that the self-guarantee must be submitted within 90 days of the close of the fiscal year. The requirements are established by the Final Decommissioning Planning Rule and the guidance provided in NUREG-1757, Volume 3, Rev. 1.

I. Ruiz

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

Should you have any questions regarding this matter, please feel free to contact me at 301-287-9144 or at [Tyrone.naquin@nrc.gov](mailto:Tyrone.naquin@nrc.gov).

Sincerely,

**/RA/**

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

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

Enclosure:  
Safety Evaluation Report

I. Ruiz

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Should you have any questions regarding this matter, please feel free to contact me at 301-287-9144 or at [Tyrone.naquin@nrc.gov](mailto:Tyrone.naquin@nrc.gov).

Sincerely,

**/RA/**

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

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Enclosure:  
Safety Evaluation Report

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