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August 10, 2017

Mr. Richard J. Freudenberger, Director
Safety and Safeguards
Nuclear Fuel Services, Inc.
1205 Banner Hill Road
Erwin, TN 37650

SUBJECT: NUCLEAR FUEL SERVICES, INC. AMENDMENT 8 – UPDATES TO
FINANCIAL ASSURANCE INSTRUMENTS AND AMENDMENTS TO STANDBY
TRUST AGREEMENTS (COST ACTIVITY CODE L33445)

Dear Mr. Freudenberger:

In accordance with your application dated June 16, 2017, and pursuant to Part 70 to Title 10 of the *Code of Federal Regulations* (10 CFR), Materials License SNM-124 is hereby amended to approve the changes to your decommissioning financial assurance instruments. Accordingly, Safety Condition S-1 has been revised to include the date of June 16, 2017. Safety Condition S-6 has been revised to reflect the current revision of the Emergency Plan.

In addition, Safeguards Conditions SG-3.1, SG-3.4, and SG-3.5 have been revised to reflect the current revisions of the Physical Protection Plan for Category I *High Enriched Uranium*, Category II *Moderate Enriched Uranium*, and Category III *Low Enriched Uranium*, respectively.

All other conditions of this license shall remain the same. Enclosed are copies of the amended Materials License SNM-124 and the Safety Evaluation Report.

This letter concludes the actions on this application. Cost Activity Code L33445 is considered **CLOSED**.

Page 9 of the SNM-124 license contains license conditions that are considered sensitive security-related information. Accordingly, it is marked as Official Use Only. When separated from the sensitive enclosure, this letter is decontrolled and publicly available in accordance with 10 CFR Section 2.390 of the U.S. Nuclear Regulatory Commissions (NRC's) "Agency Rules of Practice and Procedure." A copy of this letter 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 Agencywide Documents Access Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

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R. Freudenberger

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If you have any questions regarding this matter, please contact Ms. Leira Cuadrado of my staff at 301-415-0324, or via e-mail to: Leira.Cuadrado@nrc.gov.

Sincerely,

/RA/

Robert K. Johnson, Chief
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No. 70-143
License No. SNM-124

Enclosures:

1. Materials License SNM-124
2. Safety Evaluation Report

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R. Freudenberger

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