



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

December 22, 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 9 – APPROVAL OF PHYSICAL PROTECTION PLAN FOR THE PROTECTION OF CATEGORY I, HIGHLY-ENRICHED URANIUM, REVISION 18 (COST ACTIVITY CODE L33448)

Dear Mr. Freudenberger:

In accordance with your initial application dated August 21, 2017 (Agencywide Documents Access and Management System [ADAMS] Accession Number ML17241A280), as supplemented by letter dated December 6, 2017 (ADAMS ML17346A095), 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 Nuclear Fuel Services, Inc. Physical Protection Plan for the Protection of Category 1, High-Enriched Uranium (Strategic Special Nuclear Material), Revision 18.

Accordingly, Safety Condition S-1 has been revised to include the date of December 6, 2017, and Safeguards Condition SG-3.1 have been revised to reflect Revision 18 of the Physical Protection Plan. In addition, Safety Condition S-6 has been revised to reflect Revision 23 of the Emergency Plan, transmitted by letter dated August 18, 2017 (ADAMS ML17241A050). All other license conditions shall remain the same. The enclosures to this letter provide the amended Materials License SNM-124 and the Safety Evaluation Report for this review. This letter concludes the actions on this application. Cost Activity Code L33448 is considered **CLOSED**.

Enclosures 2 and 3 contain sensitive security-related information. Accordingly, it is marked as Official Use Only and withheld from public disclosure. When separated from the sensitive enclosures, 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 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](mailto: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. SNM-124 - Page 9 (Non Public)
3. Safety Evaluation Report (Non Public)

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R. Freudenberger

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**DATED:**

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**ADAMS Accession Number: ML17354A088**

OFFICE	FCSE/FMB	FCSE/FMB	FCSE/FMB
NAME	LCuadrado	TBrockington	RJohnson
DATE	12/20/2017	12/21/2017	12/22/2017

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