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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II

245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

October 17, 2017

Mr. Joel W. Duling  
President  
Nuclear Fuel Services, Inc.  
P.O. Box 337, MS 123  
Erwin, TN 37650

SUBJECT: NUCLEAR FUEL SERVICES, INC. – U.S. NUCLEAR REGULATORY  
COMMISSION INSPECTION REPORT NUMBER 70-143/2017-004  
(SAFEGUARDS PORTION)

Dear Mr. Duling:

This letter refers to an inspection conducted from July 1 through September 30, 2017, at the Nuclear Fuel Services, Inc. (NFS) facility in Erwin, TN. The results of the non-safeguards portion of the inspection will be transmitted under a separate cover letter. The purpose of this inspection was to determine whether activities authorized under the license were conducted safely, and in accordance with U.S. Nuclear Regulatory Commission (NRC) requirements. At the conclusion of the inspection, the findings were discussed with members of your staff at an exit meeting held on October 11, 2017.

The inspection consisted of an examination of activities conducted under the license, as they relate to safeguards and compliance with the Commission's rules and regulations, and with the conditions of the license. Areas examined during the inspection are identified in the enclosed report. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations of activities in progress, and interviews with personnel. Based on the results of these inspections, no violations of more than minor significance were identified.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," of the 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 (PARS) component of NRC's Agencywide Documents Access and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

The enclosure contains Sensitive Unclassified Non Safeguards Information (Security-Related Information). Upon separation, this cover letter is DECONTROLLED.

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The material enclosed herewith contains Security-Related Information in accordance with 10 CFR 2.390(d)(1) and its disclosure to unauthorized individuals could present a security vulnerability. Therefore, the material in the enclosure will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this letter, please contact Leonard Pitts of my staff at 404-997-4708.

Sincerely,

*/RA/*

Marvin D. Sykes, Chief  
Projects Branch 1  
Division of Fuel Facility Inspection

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

~~Enclosure:~~

~~NRC Inspection Report No. 70-143/2017-004  
(Safeguards Portion) w/Attachment:  
Supplementary Information~~

cc:

Mike McKinnon  
Operations Director  
Nuclear Fuel Services, Inc.  
Electronic Mail Distribution

Richard J. Freudenberger  
Safety & Safeguards Director  
Nuclear Fuel Services, Inc.  
Electronic Mail Distribution

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COMMISSION INSPECTION REPORT NUMBER 70-143/2017-004  
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