BWXT
Nuclear Fuel Services, Inc.

21G-18-0017
GOV-01-55-06
ACF-18-0027

April 12, 2018

Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

References: 1) Docket No. 70-143; SNM License 124
2) Letter from NRC to Richard J. Freudenberger, dated September 16, 2016, NFS Interim Approval of Decommissioning Cost Estimate Amount (Cost Activity Code Number L33400)

Subject: Final Report for the Former Blended Low Enriched Uranium (BLEU) Facility at NFS

Nuclear Fuel Services, Inc. (NFS) hereby submits the Final Status Survey (FSS) Final Report for the former Blended Low Enriched Uranium (BLEU) Facility (Enclosure 1). The FSS was conducted in accordance with methods specified in 10 CFR Part 20, Subpart E. The radiological survey data demonstrates that the former BLEU Facility meets the established Derived Concentration Guideline Levels (DCGLs). While NFS does not intend to request a site release of this area at this time, we request confirmation that the former BLEU Facility will be suitable for unrestricted release in accordance with 10 CFR Part 20, Subpart E.

On page 9, NFS' Decommissioning Funding Plan states the following:

> *With regard to the JV [Joint Venture] (or the BLEU Complex), sampling was performed to confirm and document that no contaminated soil existed prior to the start of facility construction. The estimate assumes that the equipment will be removed, the buildings will be demolished to ground level, and no excavation is planned. Therefore, no liability was included in the estimate for soils related to the JV.*

All equipment has been removed and all buildings have been demolished to ground level at the former BLEU Facility (see Attachment 1, Former BLEU Facility Photo, and Attachment 2, Current View of Former BLEU Facility Photo).

As a final note, Advanced Technologies and Laboratories International, Inc. (ATL), prepared the enclosed report and marked it "ATL Proprietary." NFS is

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enclosing a letter from ATL granting permission to NFS to distribute the report to the NRC (Attachment 3, ATL Letter). However, as stated in the ATL's letter, in accordance with 10 CFR 2.390(a) (4) the enclosed report (Enclosure, Radiological Survey Report for the Land Area of the Former Blended Low Enriched Uranium Facility at the Nuclear Fuel Services Site) is proprietary and is not suitable for public release.

The cost estimates for regulatory assurances were last adjusted and approved by the NRC on September 16, 2016, and have remained in place. Those decommissioning financial instruments related to the former BLEU Facility are the following:

Credit Industriel et Commercial Letter of Credit No. SB22.401 (AREVA)	$ 3,133,975
Credit Industriel et Commercial Letter of Credit No. SB22.493 (AREVA)	11,345,345
Bank of America, N.A. Letter of Credit No. 68133845 (AREVA)	3,785,680
TD Bank, N.A. Letter of Credit No. 20007970 (NFS)	60,000
Total Financial Assurance related to the former BLEU Facility	**$18,325,000**

If you or your staff have any questions, require additional information, or wish to discuss this further, please contact me, or Mr. Ron Rice, Radiation Protection Unit Manager, at (423) 735-5405. Please reference our unique document identification number (21G-18-0017) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

Richard J. Freudenberger, Director
Safety and Safeguards

AAM/pj

Attachments and Enclosure:

Attachment 1: **Former BLEU Facility Photo**
Attachment 2: **Current View of Former BLEU Facility Photo**
Attachment 3: **ATL Letter**

Enclosure: **Radiological Survey Report for the Land Area of the Former Blended Low Enriched Uranium Facility at the Nuclear Fuel Services Site**

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Attachment 1

Former BLEU Facility Photo

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Attachment 2

Current View of Former BLEU Facility Photo

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Attachment 3

ATL Letter

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Advanced Technology and Laboratories International, Inc.

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January 31, 2018

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

Dear Mr. Freudenberger:

The DeNuke Services Division of Advanced Technologies & Laboratories (ATL) International, Inc. supported BWX Technologies in the D&D of the blended low-enriched uranium processing facility. In so doing, ATL prepared a number of plans, reports, and other deliverables to support the project. Many of these deliverables were marked ATL Proprietary.

ATL hereby grants limited permission to BWX Technologies and its subsidiaries and Nuclear Fuel Services to use and distribute these deliverables to the Nuclear Regulatory Commission as necessary to meet the needs of regulators. This letter does not authorize the distribution of these deliverables to any further parties without obtaining additional permission from ATL.

Sincerely,

William F. Niemeyer
Executive Vice President

cc. Ron Rice, Nuclear Fuel Services
Michael J. Tesar, BWX Technologies

Enclosure

Radiological Survey Report for the Land Area of the Former Blended Low Enriched Uranium Facility at the Nuclear Fuel Services Site

Not Suitable for Public Release

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