

1205 banner hill road erwin, tn 37650 phone 423.743.9141 www.nuclearfuelservices.com

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21G-14-0071 GOV-01-55-04 ACF-14-0096

April 4, 2014

Director

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

OFFICIAL USE ONLY Document contains Circumvention of Statute information. Department of Energy approval required prior to public release.

12. Shackelford 4/4/2019 Reviewed By

Reference:

1)

Docket No. 70-143; SNM License 124

- 2) Letter from Mark P. Elliott to NRC, dated November 30, 2012, (21G-12-0245), Updated Decommissioning Funding Plan as Required by 10 CFR 70.25(e)(2)
- Letter from NRC to Mark P. Elliott, dated March 28, 2013, Request for 3) Additional Information (RAI) Concerning Updated Decommissioning Funding Plan (TAC No. L33250)
- Letter from Mark P. Elliott to NRC, dated April 17, 2013 (21G-13-0088), 4) Response to RAI Concerning Updated Decommissioning Funding Plan
- Letter from NRC to Mark P. Elliott, dated June 11, 2013, NFS Interim 5) Approval of Decommissioning Cost Estimate Amount (TAC No. L33250)
- Letter from NRC to Richard J. Freudenberger, dated March 6, 2014, NFS 6) RAI Concerning Updated Decommissioning Funding Instruments (TAC No. L33293)

Subject: Financial Assurance Instruments to Support the Decommissioning Funding Plan

Pursuant to recent conversations with members of your staff, and in response to the RAI (Reference 6), Nuclear Fuel Services, Inc. (NFS) hereby submits the remaining financial assurance documents for the NFS Site.

The financial assurance instruments contained herein guarantee that sufficient funds, in the amount specified in Reference 2, will be available when needed for decommissioning the NFS Site. Attachment 1 contains a summary of the methods of financial assurance in use and the corresponding instruments currently in place. Attachments 2, 3, 4, and 5 contain updated Statements of Intent and Standby Trust Agreements. Attachment 6 contains a Certification of Financial Assurance that has been prepared in conformance with the Consolidated NMSS Decommissioning Guidance (NUREG-1757, Vol. 3). Finally, Attachments 8 and 9 contain updated Letters of Credit for the NFS and AREVA facilities.

Attachments 2 and 3 are copies of the original documents that were submitted directly to NRC by DOE/Naval Reactors and DOE/NNSA under separate cover letters. Attachments 4, 5, 6, and

When detached, handle this page as decontrolled. nuclear fuel services, inc., a subsidiary of The Babcock & Wilcox Company Kenning Harry 4/9/14

NHJSOI

8 are originally signed documents. Attachment 9 is a copy of the original document that was previously submitted directly to NRC by Compass Bank.

Attachment 6 contains sensitive information, is marked "Official Use Only" in accordance with 5 U.S.C. 552, and is not suitable for public release. Attachment 7 contains a redacted version of Attachment 6 that is suitable for public release.

As mentioned above, Attachment 1 contains a summary of the methods of financial assurance in use and the corresponding instruments currently in place. Upon completion of your review, please return the financial assurance documents currently on file that have now been superseded and are no longer required. These documents include DOE Statements of Intent (dated 9/21/2011 and 8/11/2011); and Certification of Financial Assurance (dated 9/26/2011).

If you or your staff have any questions, require additional information, or wish to discuss this, please contact me, or Mr. Andrew Sabisch, Licensing and ISA Manager, at (423) 735-5030. Please reference our unique document identification number (21G-14-0071) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

und to

Richard J. Freudenberger, Director Safety and Safeguards

JKW/pdj

- Attachment 1: Summary of NFS D&D Liability and Financial Assurance
- Attachment 2: Statement of Intent from DOE/Naval Reactors, dated 7/19/2013
- Attachment 3: Statement of Intent from DOE/NNSA, dated 9/4/2013
- Attachment 4: Standby Trust Agreement, Amendment 1, dated 3/13/2014
- Attachment 5: Standby Trust Agreement, Amendment 1, dated 3/13/2014
- Attachment 6: Certification of Financial Assurance
- Attachment 7: Redacted Version of Attachment 6
- Attachment 8: Amendment to Letter of Credit Number SB 22.493, dated 3/18/2014, D&D Cost Estimate Category - JV
- Attachment 9: Amendment 4 to Letter of Credit Number A 30271T, dated 10/9/2013, D&D Cost Estimate Category - NFS

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Copy:

Regional Administrator U.S. Nuclear Regulatory Commission, Region II 245 Peachtree Center Avenue NE, Suite 1200 Atlanta, GA 30303-1257

Mr. David Hartland Project Inspector U.S. Nuclear Regulatory Commission, Region II 245 Peachtree Center Avenue NE, Suite 1200 Atlanta, GA 30303-1257

 Mr. Kevin Ramsey Senior Project Manager Fuel Manufacturing Branch Fuel Facility Licensing Directorate Division of Fuel Cycle Safety and Safeguards Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission One White Flint North 11555 Rockville Pike Rockville, MD 20852-2738

Mr. Charles Stancil Senior Resident Inspector U.S. Nuclear Regulatory Commission

ATTACHMENT 1

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Summary of NFS D&D Liability and Financial Assurance

SUMMARY OF NFS D&D LIABILITY AND FINANCIAL ASSURANCE As of March 20, 2014

	r		01 March 20, 2014	
D&D Cost Estimate Category Name	General Type of Contract(s)	Method(s) of Financial Assurance	Share of Estimate Value	Financial Assurance Documents
DOE	Government	1 Statement of Intent	~ \$375M	Letter from DOE/Naval Reactors dated 7/19/2013 (\$375M)
NFS	Commercial	1 Letter of Credit + 1 Statement of Intent + 1 Standby Trust Agreement	Letter of Credit: ~ \$13.5M Statement of Intent: ~ 8.1M Total: ~ \$21.6M	Letter of Credit: Amendment 4 to Compass Bank Letter of Credit No. A30271T, dated 10/9/2013 (\$13.5M) Statement of Intent: Letter from DOE/NNSA dated 9/4/2013 (\$8.1M) Standby Trust Agreement: Union Bank Trust Agreement dated
JV	Commercial	3 Letters of Credit (provided by AREVA for BLEU Complex facilities) + 1 Standby Trust Agreement	~ \$18.3M	2/1/2013, Amendment 1 dated 3/13/2014 <u>Letters of Credit</u> : Crédit Industriel et Commercial Letter of Credit No. SB22.401 and No. SB22.493, as amended (11.8M) JPMorgan Chase Bank Letter of Credit No. TFTS-934413, dated 7/19/2011 (\$3.8M) Amendment to SB22.493, dated 3/18/2014 (\$2.7M) <u>Standby Trust Agreement</u> : Union Bank Trust Agreement dated
TOTAL			~ \$415M	2/1/2013, Amendment 1 dated 3/13/2014

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ATTACHMENT 2

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Statement of Intent from DOE/Naval Reactors, dated 7/19/2013

(1 page to follow)

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Department of Energy

Naval Reactors Laboratory Field Office Post Office Box 1069 Schenectady, New York 12301-1069

> NRLFO:CON:13-108 July **(9**, 2013

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

SUBJECT: U.S. DEPARTMENT OF ENERGY LIABILITY FOR DECONTAMINATION AND DECOMMISIONING OF THE NUCLEAR FUEL SERVICES, INC. FACILITY IN ERWIN, TENNESSEE

Via Nuclear Fuel Services, Inc. (NFS) letter (21G-13-0150) dated June 26, 2013, NFS identifies that an updated decontamination and decommissioning (D&D) cost estimate in the amount of \$374,761,000 has been agreed to by the U.S. Nuclear Regulatory Commission (NRC). NFS' letter also requests that the U.S. Department of Energy (DOE) Contracting Officer provide assurance to the NRC regarding its knowledge of the updated estimate and confirmation that the contract identifies this obligation.

DOE's prime contract DE-NR00007 with NFS contains special clauses covering the DOE's contractual liability for D&D through its completion. However, pursuant to these clauses, the estimated cost and funding for the D&D work is negotiated into the contract on an annual basis. While DOE is aware of longterm estimates for this work, the above estimate is not referenced in the contract.

Historically, the NRC has accepted DOE's contract clauses as assurance of DOE's long-term liability for its portion of the costs of the D&D work at Erwin, Tennessee. The DOE's contractual liability for D&D of the NFS Erwin, Tennessee facility under the referenced contract is virtually unchanged from prior years.

If you need any additional information, you may contact M. Z. Pastor at (518)395-6375.

Sincere

J P. Maletta, Director Contracts Division

CC:

W. K. Wilkerson, NFS D. A. Delwiche, NRLFO

NM5520

ATTACHMENT 3

Statement of Intent from DOE/NNSA, dated 9/4/2013



U.S. Department of Energy

NNSA Production Office Post Office Box 2050 Oak Ridge, Tennessee 37831-8009



September 4, 2013

Mr. Kevin M. Ramsey, Project Manager Fuel Manufacturing Branch Division of Fuel Cycle Safety and Safeguards U.S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, DC 20555

Dear Mr. Ramsey:

REFERENCE: DOCKET NO. 70-143; SNM LICENSE 124

Reference: Letter from W. Keith Wilkerson, NFS to Peter Newby, AREVA NP Inc., dated August 13, 2013

The purpose of this communication is to provide assurance that we are aware of the recent update to the cost estimate that supports the decommissioning liability under the DOE/TVA Interagency Agreement (IA) DE-SA09-01SR18976. Pursuant to the IA, Article 14, Paragraph C, DOE confirms the obligation to share the decontamination and decommissioning costs with the Tennessee Valley Authority (TVA). DOE's commitment shall be limited to equipment and facilities used solely for processing and blending down of the 13,300 KgU of HEU as specified in the agreement. We further acknowledge the currently estimated value as it relates to the scope of work under contract referenced above is approximately \$8,076,000.

If you need any additional information you may contact me at (865) 241-3917, email connie.bayless@npo.doe.gov, or courier mail to:

Connie D. Bayless, Contracting Officer National Nuclear Security Administration Production Office Post Office Box 2050 Oak Ridge, Tennessee 37831

Sincerely,

Connie D. Bougles

Connie D. Bayless Contracting Officer NNSA Production Office, Y-12

cc:

Paul Mulcahy, TVA W. Keith Wilkerson, NFS Mark P. Elliott, NFS Kevin Ramsey, NRC B. Wright, 301BCR, MS 8019, B&W Y12 Becky Eddy, NPO-70

COR-NPO-50 BCM-9.4.2013-533226

ATTACHMENT 4

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Standby Trust Agreement, Amendment 1, dated 3/13/2014

AMENDMENT No. 1

To

Trust Agreement Dated February 1, 2013 By And Between Nuclear Fuel Services, Inc. (as "Grantor") And Union Bank, N.A. (as "Trustee") (the "Trust Agreement")

WHEREAS the amount of financial assurance required for licensed activities set forth in the Trust Agreement has been revised;

NOW THEREFORE, the parties to the Trust Agreement hereby agree to replace <u>Schedule A</u> of the Trust Agreement with the <u>Schedule A</u> attached hereto.

All other provisions of the Trust Agreement remain unchanged.

This Amendment No. 1 shall be administered, construed and enforced according to the laws of the State of New York.

IN WITNESS WHEREOF, this Amendment No. 1 is effective as of March 13, 2014.

NUCLEAR FUEL SERVICES, INC., as Grantor

By: Joseph G. Henry Its: President Seal:

UNION BANK, N.A., as Trustee

Bý: Nabeel Badawi Its: Assistant Vice President

ACKNOWLEDGEMENT

State of TENNESSEE, County of UNICOL certify the attester of this document ersonally appeared before me, and is ther known by me or provided visual verfication of their identity to me, and executed their legal signature on this ocument on this the 2nd day of Ari 2014 NOTARY PUBLIC My Commission Expires:

SCHEDULE A

This Agreement demonstrates financial assurance for the following cost estimates or prescribed amounts for the following licensed activities:

U.S. NUCLEAR REGULATORY COMMISSION LICENSE NUMBER

SNM-124

NAME AND ADDRESS OF LICENSEE Nuclear Fuel Services, Inc. 1205 Banner Hill Road

Erwin, TN 37650

ADDRESS OF LICENSED ACTIVITY

Nuclear Fuel Services, Inc. 1205 Banner Hill Road Erwin, TN 37650

COST ESTIMATE FOR REGULATORY ASSURANCES DEMONSTRATED BY THIS AGREEMENT

Building 301	\$6,577,000
Building 333	\$4,419,000
Building 440	\$2,554,000
Grand Total	\$13,550,000

Letter of Credit No. A30271T, issued by Compass Bank: \$13,550,000

The cost estimate listed here was last adjusted and approved by the NRC on June 11, 2013.

ATTACHMENT 5

Standby Trust Agreement, Amendment 1, dated 3/13/2014

AMENDMENT No. 1

То

Trust Agreement Dated February 1, 2013 By And Between Nuclear Fuel Services, Inc. (as "Grantor") And Union Bank, N.A. (as "Trustee") (the "Trust Agreement")

WHEREAS the amount of financial assurance required for licensed activities set forth in the Trust Agreement has been revised;

NOW THEREFORE, the parties to the Trust Agreement hereby agree to replace <u>Schedule A</u> of the Trust Agreement with the <u>Schedule A</u> attached hereto.

All other provisions of the Trust Agreement remain unchanged.

This Amendment No. 1 shall be administered, construed and enforced according to the laws of the State of New York.

IN WITNESS WHEREOF, this Amendment No. 1 is effective as of March 13, 2014.

ACKNOWLEDGEMENT

NUCLEAR FUEL SERVICES, INC., as Grantor

By: Joseph G. Henry Its: President Seal:



State of TENNESSEE, County of UNICON I certify the attester of this document personally appeared before me, and is either known by me or provided visual verfication of their identity to me, and executed their legal signature on this document on this the 2nd day of NOTARY P My Commission Expires

UNION BANK, N.A., as Trustee

By: Nabeel Badawi Its: Assistant Vice President



SCHEDULE A

This Agreement demonstrates financial assurance for the following cost estimates or prescribed amounts for the following licensed activities:

U.S. NUCLEAR REGULATORY COMMISSION LICENSE NUMBER SNM-124

NAME AND ADDRESS OF LICENSEE Nuclear Fuel Services, Inc. 1205 Banner Hill Road Erwin, TN 37650

ADDRESS OF LICENSED ACTIVITY

Nuclear Fuel Services, Inc. 1205 Banner Hill Road Erwin, TN 37650

COST ESTIMATE FOR REGULATORY ASSURANCES DEMONSTRATED BY THIS AGREEMENT				
Buildings 510, 520, and 530:	\$18,265,000			
Letter of Credit No. SB22.401, issued by Crédit Industriel et Commercial:	\$ 3,133,975			
Letter of Credit No. SB22.493, issued by Crédit Industriel et Commercial:	11,345,345			
Letter of Credit No. TFTS-934413, issued by JPMorgan Chase Bank:	3,785,680			
Grand Total	\$18,265,000			

The cost estimate listed here was last adjusted and approved by the NRC on June 11, 2013.

ATTACHMENT 7

Redacted Version of Attachment 6

Certification of Financial Assurance



CERTIFICATION OF FINANCIAL ASSURANCE

PRINCIPAL: Nuclear Fuel Services, Inc. 1205 Banner Hill Road Erwin, Tennessee 37650

> NRC Materials License SNM-124 Docket No. 70-143 Nuclear Fuel Services. Inc. 1205 Banner Hill Road Erwin, Tennessee 37650

ISSUED TO: U.S. Nuclear Regulatory Commission

I certify that Nuclear Fuel Services, Inc. is licensed to possess the following types of unsealed special nuclear materials licensed under 10 CFR 70 in the following amounts:

of uranium-235, with uranium enriched up to 100 weight percent in the uranium-235 isotope which may contain up to an average of the second of plutonium per of fission products per gram of uranium, and gram of uranium, of transuranic materials (including plutonium) per gram of uranium as contaminants.

I, Richard J. Freudenberger, also certify that financial assurance in the amount of \$414,653,000 has been obtained for the purpose of decommissioning as prescribed by 10 CFR Part 70.

1. Fund

Richard J. Freudenberger Director, Safety and Safeguards

e named person appeared before merand executed this document on this the I centify the above , 2014. 30/14 ubli

ATTACHMENT 8

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Amendment to Letter of Credit Number SB 22.493, dated 3/18/2014 D&D Cost Estimate Category - JV

DOCUMENTARY LETTER OF CREDIT-IRREVOCAE		
NEW YORK CREDIT NO. SB 22.493		
DATE OF ISSUE OPENING BANK'S NUMBER May 12, 2004		
By order of: Nuclear Fuel Services, Inc. 1205 Banner Hill Rd., Erwin, TN 37650 For Account of: Framatome ANP, Inc. THIS AMENDMENT IS TO BE CONSIDERED AS PART OF THE ABOVE CREDIT AND MUST BE ATTACHED THERETO.		

· The name of the Account Party, wherever it appears in the Letter of Credit, is amended to read as follows:

Areva Inc.

- The amount of this Credit is <u>increased</u> by US\$2,620,000.00 making total amount available US\$11,345,345.00 (United States Dollars Eleven Million Three Hundred Forty Five Thousand Three Hundred Forty Five and 00/100) Maximum effective March 18, 2014.
- Please send us by fax your agreement to this amendment on the attached copy to the attention of the Letter of Credit Department, Fax No. (212) 715-4477.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

March 18, 2014

an Authorized Signature(s) OP/ LC - 003 (02/12)

ATTACHMENT 9

Amendment 4 to Letter of Credit Number A 30271T, dated 10/9/2013 D&D Cost Estimate Category - NFS

BBVA Compass

Compass Bank P.O. Box 4444 Houston, Texas 77210-4444 713-499-8642/8643 - Fax 713-499-8659 Toll Free 886-627-8860 Fax 888-627-8861 www.compassbank.com SWIFT ID:CPASUS44XXX

International Trade Services

AMENDMENT TO LETTER OF CREDIT NO. A30271T

OCTOBER 9, 2013

APPLICANT: NUCLEAR FUEL SERVICES, INC. ("NFS") 1205 BANNER HILL ROAD ERWIN, TENNESSEE 37650 BENEFICIARY: U.S. NUCLEAR REGULATORY COMMISSION 11545 ROCKVILLE PIKE ROCKVILLE, MD 20852-2738

RE: NRC LICENSE NO. SNM-124, DOCKET NO. 70-143

AMENDMENT NO.: FOUR (4)

GENTLEMEN:

PLEASE BE ADVISED THAT THE SUBJECT LETTER OF CREDIT HAS BEEN AMENDED AS FOLLOWS:

INCREASE THE AMOUNT OF THE LETTER OF CREDIT BY USD3,774,000.00 (THREE MILLION SEVEN HUNDRED SEVENTY-FOUR THOUSAND AND 00/100 UNITED STATES DOLLARS) TO A NEW TOTAL AMOUNT OF USD13,550,000.00 (THIRTEEN MILLION FIVE HUNDRED FIFTY THOUSAND AND 00/100 UNITED STATES DOLLARS).

THIS AMENDMENT IS TO BE CONSIDERED AS PART OF THE ABOVE CREDIT AND MUST BE ATTACHED THERETO.

ALL OTHER TERMS AND CONDITIONS OF THE CREDIT REMAIN UNCHANGED.

THIS CREDIT IS SUBJECT TO THE UNIFORM CUSTOMS AND PRACTICE FOR DOCUMENTARY CREDITS 2007 REVISION, INTERNATIONAL CHAMBER OF COMMERCE PUBLICATION NO. 600.

COMPASS BANK

Juley ldine 1 Authorized Signature OR



