



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

March 6, 2017

Mr. Adam Hilton  
Plant Manager  
Fuel Manufacturing Operations  
Global Nuclear Fuel – Americas, L.L.C.  
P.O. Box 780, Mail Code J20  
Wilmington, NC 28402

**SUBJECT: GLOBAL NUCLEAR FUEL-AMERICAS LICENSEE PERFORMANCE REVIEW  
(NUCLEAR REGULATORY COMMISSION INSPECTION REPORT 70-  
1113/2017-001)**

Dear Mr. Hilton:

The U.S. Nuclear Regulatory Commission (NRC) Region II staff and the Office of Nuclear Material Safety and Safeguards completed a review of the Global Nuclear Fuel – Americas (GNF-A) fabrication facility's performance in conducting NRC licensed activities. The review covered the period of January 1, 2015 through December 31, 2016. The performance of GNF-A was evaluated in the following areas: Safety Operations, Radiological Controls, Facility Support, and Other Areas. This letter provides the results of our review and constitutes the basis for the NRC oversight program for your facility. The details regarding the Safeguards portion of the review are documented in a separate letter marked "Official Use Only" due to the sensitive nature of the information.

Overall, the staff determined that GNF-A has continued to conduct its activities safely and securely, while protecting public health and the environment. Based on our review of activities covering the period January 1, 2015 through December 31, 2016, no areas needing improvement were identified. Therefore, the NRC will conduct the core inspection program for a Category III Fuel Facility as described in NRC Inspection Manual Chapter 2600, Appendix B, "NRC Core Inspection Requirements Table 1," for the period of January 1, 2017 to December 31, 2018. In addition, NRC inspection hours beyond the core inspection hours may be implemented in 2017 or 2018 to review your response to the generic letter (GL) 2015-01 "Treatment of Natural Phenomena Hazards in Fuel Cycle Facilities" (ADAMS Accession No. ML14328A029). The inspections will be conducted in accordance with temporary instruction (TI) 2600/016, "Inspection of Activities Associated with NRC Generic Letter 2015-01" (ADAMS Accession No. ML16293A899). The inspection results from the implementation of this TI will be used to inform the closure process of NRC GL 2015-01 and follow up with previously identified Unresolved Item 2012-006-01 to ensure compliance with the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 70 regarding accident sequences and potential consequences associated with natural phenomena events.

The results of our review will be discussed with you at a public meeting on April 12, 2017, via webinar. During the meeting, you will be asked to discuss your performance in the same major areas as those evaluated by the NRC.

In accordance with 10 CFR Part 2.390 of NRC's "Rules of Practice and Procedure," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room, or from the NRC's Agencywide Documents Access and Management System (ADAMS), which is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

Please refer questions and comments regarding your licensee performance review to Mr. Eric Michel, Chief, Projects Branch 2, by telephone at 404-997-4555.

Sincerely,  
*/RA/*

Mark S. Lesser, Director  
Division of Fuel Facility Inspection

Docket No. 70-1113  
License No. SNM-1097

Enclosure:  
Licensee Performance Review

cc:  
Scott Murray, Manager  
Facility Licensing  
Global Nuclear Fuels – Americas, L.L.C.  
Electronic Mail Distribution

W. Lee Cox, III, Chief  
North Carolina Department of Health and Human Services  
Division of Health Service Regulation  
Radiation Protection Section  
Electronic Mail Distribution

In accordance with 10 CFR Part 2.390 of NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room, or from the NRC's Agencywide Documents Access and Management System (ADAMS), which is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>.

Please refer questions and comments regarding your licensee performance review to Mr. Eric Michel, Chief, Projects Branch 2, by telephone at 404-997-4555.

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**/RA/**  
 Mark S. Lesser, Director  
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Docket No. 70-1113  
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Enclosure:  
 Licensee Performance Review

cc:  
 Scott Murray, Manager  
 Facility Licensing  
 Global Nuclear Fuels – Americas, L.L.C.  
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W. Lee Cox, III, Chief  
 North Carolina Department of Health and Human Services  
 Division of Health Service Regulation  
 Radiation Protection Section  
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PUBLICLY AVAILABLE       NON-PUBLICLY AVAILABLE       SENSITIVE       NON-SENSITIVE  
 ADAMS:  Yes      ACCESSION NUMBER:ML17067A078       SUNSI REVIEW COMPLETE       FORM 665 ATTACHED

OFFICE	RII:DFFI	RII:DFFI	RII:DFFI	NMSS:FCSE	NMSS:FCSE		
SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA/		
NAME	TVukovinsky	MRuffin	EMichel	RJohnson	CErlanger		
DATE	3/6/2017	3/6/2017	3/6/2017/	3/6/2017	3/6/2017		3/ /2017
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

## **LICENSEE PERFORMANCE REVIEW FOR GLOBAL NUCLEAR FUEL- AMERICAS**

**ASSESSMENT PERIOD: JANUARY 1, 2015 TO DECEMBER 31, 2016**

The following is a summary of the performance of Global Nuclear Fuel- Americas (GNF-A) in the conduct of NRC-licensed activities.

### **PERFORMANCE AREA: SAFETY OPERATIONS**

This area is comprised of plant operations, nuclear criticality safety, and fire protection.

#### **Program Areas Needing Improvement**

- Two violations were identified during the assessment period. No specific area needing improvement was identified in Safety Operations.

#### **Recommended NRC Inspection Effort**

- Maintain the core inspection effort in Safety Operations.

### **PERFORMANCE AREA: RADIOLOGICAL CONTROLS**

This area is comprised of radiation protection, environmental protection, waste management, and transportation.

#### **Program Areas Needing Improvement**

- Zero violations were identified during the assessment period. No specific area needing improvement was identified in Radiological Controls.

#### **Recommended NRC Inspection Effort**

- Maintain the core inspection effort in Radiological Controls.

### **PERFORMANCE AREA: FACILITY SUPPORT**

This area is comprised of maintenance and surveillance of safety controls, management organization and controls, operator training, emergency preparedness, emergency exercise evaluation, and permanent plant modifications

#### **Program Areas Needing Improvement**

- One violation was identified during the assessment period. No specific area needing improvement was identified in Facility Support.

#### **Recommended NRC Inspection Effort**

- Maintain the core inspection effort in Facility Support.

**PERFORMANCE AREA: OTHER AREAS**

This area is comprised of special issues.

**Program Areas Needing Improvement**

- Zero violations were identified during the assessment period. No specific area needing improvement was identified in Other Areas.

**Recommended NRC Inspection Effort**

- Maintain the core inspection effort in Other Areas.