



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

February 16, 2006

Mr. J. D. Fuller  
Chief Executive Officer and Facility Manager  
Global Nuclear Fuel - Americas, L.L.C.  
P. O. Box 780  
Wilmington, NC 28402

SUBJECT: NRC INSPECTION REPORT NO. 70-1113/2006-001

Dear Mr. Fuller:

This refers to the results of the above-referenced Nuclear Regulatory Commission (NRC) inspection conducted at your Wilmington facility on January 23-27, 2006.

As a result of the inspection, the enclosed NRC Form 591FF, SAFETY INSPECTION, is being issued. The enclosed form indicates that no violations were identified during the above described inspection of your licensed activities. Please retain the form in your files. No acknowledgment of this letter is required.

In accordance with 10 CFR 2.390 of the 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 document system (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation. If you have any questions, please call me at (404) 562-4731.

Sincerely,

/RA/

Jay L. Henson, Chief  
Fuel Facility Inspection Branch 2  
Division of Fuel Facility Inspection

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

Enclosure: NRC Form 591FF Parts 1 and 3

cc w/encl: (See page 2)

J. D. Fuller

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cc w/encl:  
Charles M. Vaughan, Manager  
Facility Licensing  
Global Nuclear Fuel - Americas, L.L.C.  
P. O. Box 780, Mail Code J26  
Wilmington, NC 28402

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PUBLIC

X PUBLICLY AVAILABLE      ☐ NON-PUBLICLY AVAILABLE      ☐ SENSITIVE      X NON-SENSITIVE

ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_

OFFICE	RII:DFFI	RII:DFFI					
SIGNATURE	JJ 2/14/06	JLH 2/16/06					
NAME	JJimenez	MCrespo	JHenson				
DATE	2/ /2006	2/ /2006	2/ /2006	2/ /2006	2/ /2006	2/ /2006	2/ /2006
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY      DOCUMENT NAME: E:\Filenet\ML060470030.wpd

## NRC FORM 591FF PART 1

(11-2005)  
10 CFR 2.201

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

## 1. LICENSEE/LOCATION INSPECTED:

Global Nuclear Fuels - Americas, L.L.C.  
P. O. Box 780  
Wilmington, NC 28402

## 2. NRC/REGIONAL OFFICE

U.S. Nuclear Regulatory Commission  
Region II, Division of Fuel Facilities Inspection  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303

REPORT 70-1113/2006-001

## 3. DOCKET NUMBER(S)

70-1113

## 4. LICENSEE NUMBER(S)

SNM-1097

## 5. DATE(S) OF INSPECTION

01/23-27/2006

## LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed. See list of items opened and closed on NRC Form 591FF Part 3.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy to exercise discretion were satisfied.

\_\_\_\_\_ Non-Cited Violation(s) was/were discussed involving the following requirement(s) and Corrective Action(s):

- ☐ 4. During this inspection certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

## Licensee's Statement of Corrective Actions for Item 4, above.

I hereby state that, within 30 days, the actions described by me to the inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

Title	Printed Name	Signature	Date
LICENSEE'S REPRESENTATIVE	Not Applicable		
NRC INSPECTOR	Jose Jimenez	/RA/	2/16/06

**SAFETY INSPECTION REPORT  
AND COMPLIANCE INSPECTION**

1. LICENSEE

**Global Nuclear Fuels - Americas, L.L.C.  
P. O. Box 780  
Wilmington, NC 28402**

2. NRC/REGIONAL OFFICE

**U.S. Nuclear Regulatory Commission  
Region II, Division of Fuel Facilities Inspection  
61 Forsyth Street, Suite 23T85  
Atlanta, GA 30303**

REPORT NUMBER(S):

3. DOCKET NUMBER(S):

**70-1113**

4. LICENSE NUMBER(S):

**SNM-1097**

5. DATE(S) OF INSPECTION:

**01/23-27/2006**

6. INSPECTOR(S): **Jose Jimenez**

7. INSPECTION PROCEDURES USED: **88020**

**SUPPLEMENTAL INSPECTION INFORMATION**

**Executive Summary**

The GNF Facility fabricates low-enriched uranium fuel for use in commercial reactors. During the period of the inspection, all operations were normal.

This was a routine, announced inspection that included observations and evaluation of the plant operation's program. The inspection involved observations of work activities, reviews of selected records, and interviews with plant personnel. The inspection identified the following aspects of the licensee programs as outlined below:

**Plant Operations**

- Plant activities observed were performed safely and in accordance with license requirements. Housekeeping was adequate and no adverse effect on radiological safety or facility emergency egress was noted.
- Fuel manufacturing operations were conducted in accordance with approved operating procedures. The nuclear criticality safety training emphasized safety principles and practices.
- The licensee's configuration control system for facility modifications ensured that safety significant modifications were properly reviewed, approved, and documented.
- Safety concerns were being identified, effectively communicated to managers, and resolved in a prompt manner.

**Inspector Follow-up Items (IFI):**

- *Temporary Instruction 2600/012 : Institutionalizing Concern Regarding Safety Issues Identified in selected Past Generic Communications*
- ! **IN-99-030, “Failure of Double Contingency Based on Administrative Controls Involving Laboratory Sampling and Spectroscopic Analysis of Wet Uranium Waste”** : The licensee’s waste management program does not rely on laboratory sampling of waste streams. It has two in-line monitors, one of which is a redundant control that make sure limits established for safety are met before final disposition of the waste streams. Thus IN 99-030 is not applicable to the licensee.
- **IN-99-005, “Inadvertent discharged of Carbon Dioxide Fire Protection System and Gas Migration ”** : Carbon Dioxide Fire Suppression systems are not present at the GNF fuel manufacturing facility. Thus IN 99-005 is not applicable to the licensee.