UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

November 7, 2007

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. 70-1113/2007-003

Dear Mr. Fuller:

This refers to the inspection conducted from October 24-26, 2007, at your facility in Wilmington, North Carolina. The purpose of the inspection was to observe and evaluate the performance of your emergency response organization during a simulated accident, to determine the adequacy of the response to protect the health and safety of the public, plant workers, and environment. At the conclusion of the inspection on October 26, 2007, the inspectors discussed the findings with members of your staff.

As a result of the inspection, the enclosed NRC Form 591FF, Safety Inspection Report, Parts 1 and 3 are being issued. The enclosed forms indicate that no violations were identified during the 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 Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html. (The Public Electronic Reading Room).

Should you have any questions concerning this letter, 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: (See page 2)

Enclosure: NRC Form 591FF Parts 1 and 3

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

Beverly Hall, Chief
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Distribution w/encl:
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R. Gibson, RII
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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	RII:DFFI				
SIGNATURE	***/RA/***	JJimenez for	Jjmenez for				
NAME	JJimenez	M.Thomas	R. Gibson				
DATE	11/07/2007	11/07/2007	11/07/2007				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: C:\FileNet\ML073110332.wpd

U.S. NUCLEAR REGULATORY COMMISSION

NRC FORM 591FF PART 1
(11-2005)
10 CFR 2.201

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:	2. NRC/REGIONAL OFFICE
Global Nuclear Fuels - Americas, L.L.C. P. O. Box 780 Wilmington, NC 28402 REPORT 70-1113/2007-003	U.S. Nuclear Regulatory Commission Region II, Division of Fuel Facilities Inspection 61 Forsyth Street, Suite 23T85 Atlanta, GA 30303

3. DOCKET NUMBER(S)	4. LICENSEE NUMBER(S)	5. DATE(S) OF INSPECTION
70-1113	SNM-1097	10/24-26/2007

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:

[x] 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			
NRC INSPECTOR	R. Gibson/ J. Jimenez/ M.Thomas	***/RA/***	11/07/2007

NRC FORM 591FF PART 3
(11-2005)
10 CFR 2.201

U.S. NUCLEAR REGULATORY COMMISSION

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE	2. NRC/REGIONAL OFFICE
Global Nuclear Fuels - Americas, L.L.C. **P. O. Box 780** **Wilmington, NC 28402**	**U.S. Nuclear Regulatory Commission** **Region II, Division of Fuel Facilities Inspection** **61 Forsyth Street, Suite 23T85** **Atlanta, GA 30303**

REPORT NUMBER(S): **2007-003**

3. DOCKET NUMBER(S):	4. LICENSE NUMBER(S):	5. DATE(S) OF INSPECTION:
70-1113	**SNM-1097**	**10/24-26/2007**

6. INSPECTOR(S): Richard Gibson, Jose Jimenez and Mary Thomas

7. INSPECTION PROCEDURES USED: **88051**

SUPPLEMENTAL INSPECTION INFORMATION

Executive Summary

The Global Nuclear Fuel facility fabricates low-enriched uranium fuel for use in pressurized water reactors. During the inspection period, there were no plant upsets or unusual operational occurrences.

This routine, announced inspection was to evaluate the licensee's response to a simulated emergency on the site. The licensee's performance to implement the Emergency Plan (EP) and procedures, and interface with the offsite support agencies were reviewed for adequacy in the protection of workers, the plant, the public, and the environment.

Emergency Preparedness Exercise

- The inspectors determined that the exercise objectives and scenario adequately and thoroughly exercised major elements of the Radiological Contingency and Emergency Plan. However, the inspectors noted that the licensee along with offsite agencies (e.g., Sheriff Department, EMS and controllers) pre-staged personnel and equipment that were associated with the scenario prior to the exercise. In addition, real wind direction, and the evacuation and assemblies of employees were annotated on the white board of the Emergency Control Center (ECC) prior to the exercise.

- The inspectors determined that the Incident Commander (IC)/Command Post and other responding personnel performed in a manner that would have protected the workers' safety and resulted in timely mitigation of the release of SNM. The inspectors observed several examples of poor drillsmanship, in that at the second simulated accident scene, the Health Physics Technicians established a command post that was downwind of the accident, and the controller was unable to provide information to the Emergency Response Technicians for recovery at the command post that was upwind from the accident. In addition, the inspectors observed the county Sheriff arrived at the North gate, parked his cruiser next to the first simulated accident scene, and got out of his cruiser to assess the situation still in proximity of the simulated accident.

- The general emergency response by ECC management and staff was successful in appropriately addressing the declared Emergency Action Level. Emergency conditions were properly evaluated and protective actions appropriately recommended by the ECC. Emergency classification and external notifications were performed according to procedural requirements. The Emergency Plan states that the Emergency Director (ED) has full responsibility and authority for the implementation and administration of emergency actions. He is responsible for the overall control and direction of the Emergency Organization, and the control of affected areas. The primary objective is to monitor all activities in such a manner to assure the safety and well-being of plant personnel, public, and the environment. The inspectors observed in the ECC that the ED did not have overall control of the Emergency Organization, in that due to information trafficking in and out of the ECC, some directions of the Emergency Organization were being conducted by other members of the ECC.

- <u>Followup Items</u>

  The biennial exercise observed in December 2005 was considered minimally successful due to several examples of poor drillsmanship, in that exercise participant's failure to respond to the accident as if it was real, there were examples of poor health physics practices by the radiation technicians in the contaminated area, there was no air sample taken for environmental assessment, and there was poor performance in responding to the simulated injured personnel. The inspectors reviewed the corrective actions (e.g., training, quarterly drills etc.) taken by the licensee and determined that they were adequate. The inspectors did not identify any repeat of these poor performances during this drill. This item is considered closed.