



## Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Global Nuclear Fuel - Americas, LLC  
Castle Hayne Road, Wilmington, NC 28401

February 25, 2002

Mr. L. A. Reyes  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, GA 30303

Dear Mr. Reyes:

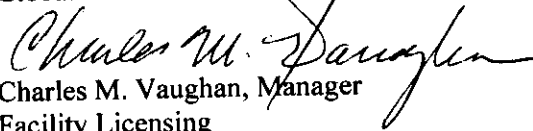
Reference: NRC License SNM-1097, Docket 70-1113

With respect to activities authorized by NRC License SNM-1097 at the Global Nuclear Fuel-Americas, L.L.C. (GNF-A) facility and pursuant to 10 CFR 70.59, GNF-A hereby submits the Semi-annual Effluent Report for the time period of July through December, 2001.

If you have any questions regarding this matter, please contact me at (910) 675-5656.

Sincerely,

Global Nuclear Fuel-Americas, L.L.C.

  
Charles M. Vaughan, Manager  
Facility Licensing

Enclosure

cc:

CMV-02-010

Mr. Martin Virgilio  
Director, Nuclear Materials Safety & Safeguards  
US NRC, Washington, DC 20555-0001

Mr. Mel Fry, State of NC  
Raleigh, NC 27611-7687

GLOBAL NUCLEAR FUEL-AMERICAS, L.L.C.  
WILMINGTON, NORTH CAROLINA

NRC License SNM 1097, Docket # 70-1113

**SEMI-ANNUAL EFFLUENT REPORT**

July 2001 – December 2001  
Fiscal Weeks 27-52

**I. GASEOUS EFFLUENT-PARTICULATE  
NUCLIDES      QUANTITY-CURIES**

U234	<u>8.31E-06</u>
U235	<u>3.10E-07</u>
U236	<u>1.43E-08</u>
U238	<u>1.03E-06</u>
TOTAL U	9.66E-06

- ♦ EXHAUST VOLUME 1.85E+15 (cc)
- ♦ AVERAGE CONCENTRATION FOR ALL STACKS 5.41E-15 (μCi/cc)
- ♦ SAMPLING IS CONTINUOUS.
- ♦ LOWER LEVEL OF DETECTION: 1E-14 μCi/ml.
- ♦ ABNORMAL RELEASES:  
TOTAL NUMBER OF RELEASES = 0  
TOTAL ACTIVITY RELEASED = 0

**II. LIQUID EFFLUENT  
NUCLIDES      QUANTITY-CURIES**

U234	<u>2.03E-02</u>
U235	<u>7.58E-04</u>
U236	<u>3.50E-05</u>
U238	<u>2.51E-03</u>
TOTAL U	<u>2.36E-02</u>

- ♦ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ♦ TOTAL VOLUME OF LIQUID EFFLUENT 2.98E+08 (liters)
- ♦ ABNORMAL RELEASES  
TOTAL NUMBER OF RELEASES = 0  
TOTAL ACTIVITIES RELEASED = 0