



## Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

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

February 29, 2000

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:

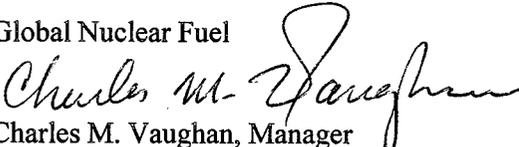
Reference: NRC License SNM-1097 Docket 70-1113

With respect to activities authorized by NRC License SNM-1097 at the Global Nuclear Fuel production facility and pursuant to 10 CFR 70.59, Global Nuclear Fuel hereby submits the Semi-annual Effluent Report for the time period of July through December, 1999.

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

Sincerely,

Global Nuclear Fuel

  
Charles M. Vaughan, Manager  
Facility Licensing

Enclosure

cc:

CMV-00-013

Mr. W.F. Kane  
Director, Nuclear Materials Safety & Safeguards  
US NRC, Washington, DC 22055-0001

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

GLOBAL NUCLEAR FUEL  
WILMINGTON, NORTH CAROLINA

NRC LICENSE SNM 1097, DOCKET # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

July 1999 - December 1999  
Fiscal Weeks 27-53

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
U234	<u>8.70E-06</u>
U235	<u>3.40E-07</u>
U236	<u>1.37E-08</u>
U238	<u>1.27E-06</u>
TOTAL U	1.03E-05

- ◆ EXHAUST VOLUME 1.81E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 5.70E-15 (µCi/cc)
- ◆ SAMPLING IS CONTINUOUS.
- ◆ LOWER LEVEL OF DETECTION: 1E-14 µCi/ml.
- ◆ ABNORMAL RELEASES:  
TOTAL NUMBER OF RELEASES= 0  
TOTAL ACTIVITY RELEASED = 0.00E+00 Ci

II. LIQUID EFFLUENT

NUCLIDES	QUANTITY-CURIES
U234	<u>1.61E-02</u>
U235	<u>6.29E-04</u>
U236	<u>2.54E-05</u>
U238	<u>2.35E-03</u>
TOTAL U	1.91E-02

- ◆ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ◆ TOTAL VOLUME OF LIQUID EFFLUENT 3.45E+08 (litres)
- ◆ ABNORMAL RELEASES  
TOTAL NUMBER OF RELEASES= 0  
TOTAL ACTIVITIES RELEASED : 0.00E+00 Ci