

70-1113/5.4



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

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

August 27, 2001

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:

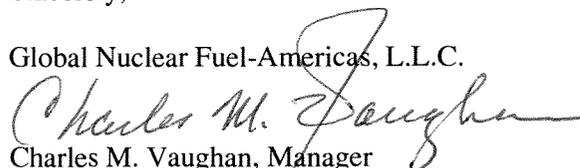
Reference: NRC License SNM-1097, Docket 70-1113

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 January through June, 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-01-039

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

January 2001 – June 2001
Fiscal Weeks 1-26

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

U234	<u>6.16E-06</u>
U235	<u>2.36E-07</u>
U236	<u>5.47E-011</u>
U238	<u>6.42E-06</u>
TOTAL U	1.28E-05

- ◆ EXHAUST VOLUME 1.69E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 7.58E-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>1.52E-02</u>
U235	<u>5.82E-04</u>
U236	<u>1.35E-07</u>
U238	<u>1.59E-02</u>
TOTAL U	<u>3.17E-02</u>

- ◆ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ◆ TOTAL VOLUME OF LIQUID EFFLUENT 3.32E+08 (liters)
- ◆ ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITIES RELEASED = 0