GNF
Global Nuclear Fuel
A Joint Venture of GE, Toshiba & Hitachi
Global Nuclear Fuel – Americas, LLC
Castle Hayne Road, Wilmington, NC 28401

August 26, 2004

Dr. William Travers
Regional Administrator
U.S. Nuclear Regulatory Commission
Sam Nunn Atlanta Federal Center, 23 T85
61 Forsyth Street, SW
Atlanta, GA 30303

Dear Dr. Travers:

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, 2004.

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

Charles M. Vaughan, Manager
Facility Licensing

Enclosure

cc:

CMV-04-029

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

Ms. Beverly Hall, NCDENR, Radiation Protection Section
Raleigh, NC 27611-7687

Mr. Mark Poirier, ANI
Glastonbury, CT 06107-2430

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

NRC License SNM 1097, Docket # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

January 2004 – June 2004
Fiscal Weeks 1-26

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
U234	5.62E-06
U235	2.19E-07
U236	8.73E-09
U238	7.06E-07
TOTAL U	6.56E-06

- EXHAUST VOLUME 1.71E+15 (cc)
- AVERAGE CONCENTRATION FOR ALL STACKS 3.83E-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	2.30E-02
U235	8.95E-04
U236	3.57E-05
U238	2.88E-03
TOTAL U	2.68E-02

- SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESSS EFFLUENT STREAM.
- TOTAL VOLUME OF LIQUID EFFLUENT 3.36E+08 (liters)
- ABNORMAL RELEASES
  TOTAL NUMBER OF RELEASES = 0
  TOTAL ACTIVITIES RELEASED = 0