



Global Nuclear Fuel

A Joint Venture of GE, Toshiba & Hatachi

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Charles M. Vaughan

Manager
Facility Licensing

August 26, 2005

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

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

Dear Dr. Travers:

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, 2005.

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

Sincerely,

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

Charles Vaughan, Manager
Facility Licensing

Enclosures

cc: CMV-05-051
Mr. Jack Strosnider, US NRC, HQ
Ms. Beverly Hall, NCDENR
Mr. Mark Poirier, ANI
Mr. Nick Baker, US NRC, HQ

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

NRC License SNM 1097, Docket # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

January 2005 – June 2005
Fiscal Weeks 1-26

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
U234	<u>7.93E-06</u>
U235	<u>3.05E-07</u>
U236	<u>1.69E-08</u>
U238	<u>1.20E-06</u>
TOTAL U	9.44E-06

- ◆ EXHAUST VOLUME 1.62E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 5.83E-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	<u>4.63E-02</u>
U235	<u>1.78E-03</u>
U236	<u>9.86E-05</u>
U238	<u>7.00E-03</u>
TOTAL U	<u>5.52E-02</u>

- ◆ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ◆ TOTAL VOLUME OF LIQUID EFFLUENT 3.44E+08 (liters)
- ◆ ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITIES RELEASED = 0