



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Global Nuclear Fuel - Americas, LLC
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910-675-5000

August 8, 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-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, 2000.

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-00-030

Mr. William F. Kane
Director, Nuclear Materials Safety and 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 2000 – June 2000
Fiscal Weeks 1-26

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
U234	<u>1.34E-05</u>
U235	<u>5.09E-07</u>
U236	<u>3.61E-08</u>
U238	<u>1.76E-06</u>
TOTAL U	1.57E-05

- ◆ EXHAUST VOLUME 1.74E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 9.00E-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>3.43E-02</u>
U235	<u>1.30E-03</u>
U236	<u>9.25E-05</u>
U238	<u>4.50E-03</u>
TOTAL U	<u>4.02E-02</u>

- ◆ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ◆ TOTAL VOLUME OF LIQUID EFFLUENT 2.90E+08 (liters)
- ◆ ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITIES RELEASED = 0