



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Scott Murray
Manager
Licensing & Liabilities COE

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February 20, 2007

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 July through December, 2006.

If you have any questions regarding this matter, please contact me at (910) 675-5950.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott Murray', written over a horizontal line.

Scott Murray, Manager
Licensing & Liabilities COE

Enclosure

cc: SPM-07-012
Mr. Jack Strosnider, US NRC, HQ
Ms. Beverly Hall, NCDENR
Mr. Mark Poirier, ANI
Mr. Merrit N. 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

July 2006 - December 2006
Fiscal Weeks 27-52

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY-CURIES
U234	<u>9.57E-06</u>
U235	<u>3.66E-07</u>
U236	<u>1.33E-08</u>
U238	<u>1.25E-06</u>
TOTAL U	1.12E-05

- ◆ EXHAUST VOLUME 1.61E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 6.13E-15 ($\mu\text{Ci}/\text{cc}$)
- ◆ SAMPLING IS CONTINUOUS.
- ◆ ROUTINE MINIMUM DETECTION LEVEL: $1\text{E}-12$ $\mu\text{Ci}/\text{ml}$
- ◆ ABNORMAL RELEASES:
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITY RELEASED = 0

II. LIQUID EFFLUENT

NUCLIDES	QUANTITY-CURIES
U234	<u>2.05E-02</u>
U235	<u>7.84E-04</u>
U236	<u>2.85E-05</u>
U238	<u>2.68E-03</u>
TOTAL U	<u>2.40E-02</u>

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