



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Scott Murray
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August 28, 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

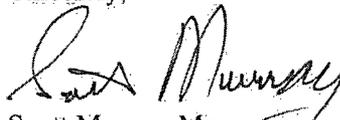
Dear Dr. Travers:

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 January through June, 2007.

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

Sincerely,



Scott Murray, Manager
Licensing & Liabilities COE

Enclosure

cc: SPM-07-038
Mr. Michael Weber, 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

January 2007 – June 2007
Fiscal Weeks 1-26

I. GASEOUS EFFLUENT-PARTICULATE

| NUCLIDES | QUANTITY-CURIES |
|-----------------|------------------------|
| U234 | <u>1.09E-05</u> |
| U235 | <u>4.22E-07</u> |
| U236 | <u>1.18E-08</u> |
| U238 | <u>1.50E-06</u> |
| TOTAL U | <u>1.28E-05</u> |

- ◆ EXHAUST VOLUME 1.70E+15 (cc)
- ◆ AVERAGE CONCENTRATION FOR ALL STACKS 7.53E-15 (μCi/cc)
- ◆ SAMPLING IS CONTINUOUS.
- ◆ LOWER LEVEL OF DETECTION: 1E-12 μCi/ml
- ◆ ABNORMAL RELEASES:
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITY RELEASED = 0

II. LIQUID EFFLUENT

| NUCLIDES | QUANTITY-CURIES |
|-----------------|------------------------|
| U234 | <u>1.63E-02</u> |
| U235 | <u>6.30E-04</u> |
| U236 | <u>1.77E-05</u> |
| U238 | <u>2.24E-03</u> |
| TOTAL U | <u>1.92E-02</u> |

- ◆ SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.
- ◆ TOTAL VOLUME OF LIQUID EFFLUENT 2.93E+08 (liters)
- ◆ ABNORMAL RELEASES
TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITIES RELEASED = 0