



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

Global Nuclear Fuel – Americas, LLC
Mail Code K-84
3901 Castle Hayne Road, Wilmington, NC 28401
(910) 819-5950, Fax (910) 362-5950

August 27, 2009

Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Semi-Annual Effluent Monitoring Report

References: 1) NRC License SNM-1097, Docket 70-1113
2) NRC Regulation 10CFR70.59

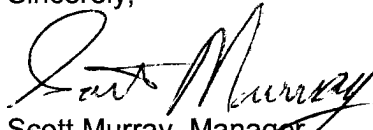
Dear Sir or Madam:

With respect to activities authorized by NRC License SNM-1097, the Global Nuclear Fuel-Americas, L.L.C. (GNF-A) facility in Wilmington, North Carolina hereby submits a semi-annual effluent monitoring report required by 10CFR70.59.

The effluent monitoring report for the time period of January through June 2009 is provided as an Attachment to this letter.

If you have any questions regarding this matter, please contact me at (910) 819-5950.

Sincerely,



Scott Murray, Manager
Licensing & Liabilities

Attachment

cc: SPM-09-024
Regional Administrator, USNRC, RII
Lee Cox, NCDENR
Mark Poirier, ANI
Merrit N. Baker, USNRC, NMSS
Mary Adams, USNRC, NMSS
Richard Gibson, USNRC, RII

S. Fuller
A. Vexler
C. Bough
H. Knight
L. Paulson
J. Zino
A. Mabry
B. Keenan
J. Smith
M. Leik
P. Mathur
L. Butler
S. O'Connor

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

NRC LICENSE SNM 1097, DOCKET # 70-1113

SEMI-ANNUAL EFFLUENT REPORT

January 2009 - June 2009
Fiscal Weeks 1-26

I. GASEOUS EFFLUENT-PARTICULATE

NUCLIDES	QUANTITY (Ci)	CONCENTRATION (uCi/cc)	10CFR20 APPENDIX B, TABLE 2, COLUMN 1	% of LIMIT
			LIMIT (uCi/cc)	
U234	8.32E-06	4.82E-15	5.E-14	9.65%
U235	3.22E-07	1.86E-16	6.E-14	0.31%
U236	1.12E-08	6.51E-18	6.E-14	0.01%
U238	1.03E-06	5.97E-16	6.E-14	1.00%
TOTAL U	9.69E-06			

EXHAUST VOLUME = 1.73E+15 (cc)

SAMPLING IS CONTINUOUS.

ABNORMAL RELEASES:

TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITY RELEASED = 0 Ci

II. LIQUID EFFLUENT

NUCLIDES	QUANTITY (Ci)	CONCENTRATION (uCi/cc)	10CFR20 APPENDIX B, TABLE 2, COLUMN 1	% of LIMIT
			LIMIT (uCi/cc)	
U234	1.85E-02	6.35E-08	3.E-07	21.18%
U235	7.15E-04	2.46E-09	3.E-07	0.82%
U236	2.50E-05	8.58E-11	3.E-07	0.03%
U238	2.29E-03	7.87E-09	3.E-07	2.62%
TOTAL U	2.15E-02			

SAMPLES ANALYZED ARE REPRESENTATIVE, CONTINUOUS COMPOSITE SAMPLES OF PROCESS EFFLUENT STREAM.

TOTAL VOLUME OF LIQUID EFFLUENT = 2.91E+08 (litres)

ABNORMAL RELEASES

TOTAL NUMBER OF RELEASES = 0
TOTAL ACTIVITIES RELEASED = 0 Ci

NOTE: Reported values are representative of the effluent concentration at the point of release and do not consider effects of dilution from point of release to the plant site boundary.