

November 18, 2008

Mr. Scott P. Murray
Licensing & Liabilities COE
GE Nuclear
3901 Castle Hayne Rd.
Wilmington, NC 28402

SUBJECT: SECOND REQUEST FOR ADDITIONAL INFORMATION REGARDING THE
ENVIRONMENTAL ASSESSMENT FOR GLOBAL NUCLEAR
FUEL – AMERICAS LLC MATERIALS LICENSE SNM-1097 RENEWAL (TAC
L32670)

Dear Mr. Murray:

By letter dated April 2, 2007, Global Nuclear Fuel – Americas LLC (GNF-A) submitted an application to renew its Nuclear Regulatory Commission (NRC) License SNM-1097 for a 40-year term. Subsequently, by letter dated May 14, 2008, GNF-A provided responses to NRC staff's requests for additional information (RAIs) needed to complete an environmental review of the application. After reviewing the RAI responses and considering Global Laser Enrichment's selection of the Wilmington site for a potential commercial uranium enrichment facility, NRC staff has identified areas where additional information is required to complete the review. Enclosed is a document containing the NRC staff's second set of RAIs.

Your full and complete responses to the enclosed RAIs are necessary for the staff to complete its review. In order to meet our schedule, we need to receive your RAI responses within 30 days following the date you receive this letter.

If you have any questions, please contact Ms. Johari Moore of my staff by telephone at (301) 415-7694 or by email at Johari.Moore@nrc.gov. Written response can be provided to:

Johari Moore
c/o Document Control Desk
U.S. Nuclear Regulatory Commission
Mail Stop T-8F05
Washington, DC, 20555-0001

S. Murray

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Thank you for your assistance.

Sincerely,

/RA/

Gregory F. Suber, Branch Chief
Environmental Review Branch
Environmental Protection and Performance
Assessment Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 70-1113
License No.: SNM-1097

Enclosure:
Request for Additional Information

cc: Mary T. Adams, NRC
Merritt N. Baker, NRC

S. Murray

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Thank you for your assistance.

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Docket No.: 70-1113

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Enclosure:

Requests for Additional Information (RAIs)

cc: Mary T. Adams, NRC
Merritt N. Baker, NRC

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OFC	FSME/EPPAD/ERB	FSME/EPPAD/ERB	FSME/EPPAD/ERB
NAME	JMoore	AWalker-Smith	GSuber
DATE	11/6/08	11/14/08	11/18/08

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**REQUESTS FOR ADDITIONAL INFORMATION (RAIs) SUPPORTING
THE ENVIRONMENTAL ASSESSMENT FOR THE RENEWAL OF
U.S. NUCLEAR REGULATORY COMMISSION LICENSE NO. SNM-1097 FOR
GLOBAL NUCLEAR FUELS-AMERICAS (GNF-A) WILMINGTON FUEL
FABRICATION FACILITY**

RAI 1

Provide Information Required by the National Pollutant Discharge Elimination System (NPDES)

GNF-A responses to RAIs regarding the Storm Water Management Plan (GNF-A, 2008) indicate that the GNF-A site has an individual storm water permit. This permit requires development of a storm water discharge plan. Provide the Storm Water Management Plan and the Spill Prevention and Response Plan that the NPDES storm water discharge permit requires. Indicate whether the spills and contamination events described in response to a previous RAI (GNF-A, 2008) occurred while the current Storm Water Management Plan and Spill Prevention and Response Plan were in place, or whether they occurred under a prior program.

RAI 2

Provide Information on Historical/Cultural Sites Located on the GNF-A Site

The GNF-A responses to RAIs indicate that 22 historical/cultural sites exist on the GNF-A site (GNF-A, 2008). The North Carolina Department of Cultural Resources State Historic Preservation Office indicates that six historical/cultural sites exist on the GNF-A site (Sandbeck, 2008). Further, the environmental report states that there is only one historical/cultural site on the GNF-A site (GNF-A, 2007a). Clarify the number of historical/cultural sites actually on the GNF-A site and their locations.

RAI 3

Identify Potential Cumulative Impacts to Shared Resources of the Proposed Global Laser Enrichment (GLE) Facility and the Existing Nuclear Fuel Fabrication and Associated Facilities

Per NUREG-1748 (NRC, 2003, Section 6.2.3), an environmental report should “discuss any past, present, or reasonably foreseeable future actions which could result in cumulative impacts when combined with the proposed action.” In April 2008, Global Laser Enrichment, a subsidiary of General Electric Hitachi Nuclear Energy, publicly announced its intention to locate its laser enrichment facility at the Wilmington site (General Electric Hitachi Nuclear Energy, 2008). This proposed GLE facility would be considered a reasonably foreseeable future action in terms of the Wilmington site and the GNF-A license renewal. This GLE announcement occurred after the April 2007 request to renew the GNF-A license (GNF-A, 2007b). Therefore, the license renewal environmental report did not contain information on

the laser enrichment facility as a reasonably foreseeable action. GNF-A should identify and discuss, on a qualitative level, potential cumulative impacts to shared resources of the proposed laser enrichment facility and the existing nuclear fuel fabrication and associated facilities. The list of resource areas to examine for potential impacts is located in NUREG-1748, Section 6.3.

References

General Electric Hitachi Nuclear Energy. "GE Hitachi Nuclear Energy Selects Wilmington, NC, as Site For Potential Commercial Uranium Enrichment Facility." 2008. Wilmington, North Carolina: General Electric Hitachi Nuclear Energy. < http://www.ge-energy.com/proderv/products/nuclear_energy/en/gle_main.htm> (17 October 2008).

GNF-A. "GNF-A Environmental RAI Responses." Wilmington, North Carolina: GNF-A. 2008.

_____. "Site Environmental Report Supplement for the Period 1995-2005." Wilmington, North Carolina: GNF-A. 2007a.

_____. "License Renewal Application for Global Nuclear Fuels-Americas LLC (Docket 70-1113)." Letter (April 2) to NRC Document Control Desk. Wilmington, North Carolina: GNF-A. 2007b.

NRC. NUREG-1748, "Environmental Review Guidance for Licensing Actions Associated With NMSS Programs-Final Report." Washington, DC: NRC. August 2003.

Sandbeck, P.B. "Forty-Year License Renewal for Global Nuclear Fuel-Americas, LLC in Castle Hayne, New Hanover County, ER 08-0036." ML080560152. Letter (January 31) to G. Suber, NRC. Raleigh, North Carolina: North Carolina Department of Cultural Resources, State Historic Preservation Office. 2008.