



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 14, 2016

Mr. Scott P. Murray, Manager
Licensing & Liabilities
Global Nuclear Fuel-Americas, LLC
3901 Castle Hayne Road
P.O. Box 780 – M/C K-84
Wilmington, NC 28401

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REVIEW OF TITLE 10 OF
THE *CODE OF FEDERAL REGULATIONS* SECTION 70.72 SUMMARY OF
CHANGES FOR GLOBAL NUCLEAR FUELS-AMERICAS, LLC

Dear Mr. Murray:

On January 29, 2016, you submitted the update to the Global Nuclear Fuels–Americas (GNF-A) LLC, Integrated Safety Analysis Summary (Agencywide Documents Access and Management System [ADAMS] Accession Number ML16029A084). The correspondence provided a brief statement of changes to the records made without prior approval from the U.S. Nuclear Regulatory Commission (NRC), in accordance with Title 10 of the *Code of Federal Regulations* 10 CFR Section 70.72.

The NRC staff has completed its review of the summary of changes and modifications. As a result of our review, we request that GNF-A, provide additional information supporting certain facility changes identified in the enclosure to this letter. Please provide this information for review within 30 days from receipt of this letter. This can be done as a submittal to this office or made available to me through an electronic reading room. Please notify me within this time period if you believe additional time will be needed to respond to any portion of the information requested in the enclosure, together with a proposed schedule for its submittal. A Permanent Plant Modifications Inspection is scheduled for the week of April 25 – 29, 2016, and any physical review necessary to complete this evaluation of the update will be accomplished at that time.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Website at:
<http://www.nrc.gov/reading-rm/adams.html>.

S. Murray

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If you have any questions concerning this letter, please contact me at (301) 415-7352 or via e-mail at: Tyrone.Naquin@nrc.gov.

Sincerely,

/RA/

Tyrone D. Naquin, Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

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

Enclosure:
Request for Additional Information

S. Murray

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If you have any questions concerning this letter, please contact me at (301) 415-7352 or via e-mail at: Tyrone.Naquin@nrc.gov.

Sincerely,

Tyrone D. Naquin, Project Manager
Fuel Manufacturing Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
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Docket No.: 70-1113
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Enclosure:
Request for Additional Information

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ADAMS Accession No.: ML16063A086

OFC	FCSE/FMB	FCSE/FMB	FCSE/FMB
NAME	AWalker-Smith	RJohnson	TNaquin
DATE	3/3/16	3/14/16	3/14/16

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

FACILITY CHANGE REQUEST PACKAGE GLOBAL NUCLEAR FUELS – AMERICAS, LLC

Change ID	Change Description
15745	The new Criticality Safety Analysis documents the basis of safety for various processes in the uranium dioxide and Gadolinium ceramics area where sintered pellets are present. The corresponding Integrated Safety Analysis Summary (ISA) was updated to reflect these changes, which resulted in elimination of 14 items relied on for safety (IROFS) and modification to the scope of seven others.
15618	Install redundant cold trap load cell IROFS and re-evaluate the ISA basis for dry conversion process cold traps. Eliminate heating, ventilation, and air conditioning (HVAC) exhaust vaporization so the exhaust is continuously scrubbed.
14256	Addition of moderation controls in Decon Operations and HVAC Filter Storage. As part of this first change, the existing IROFS associated with the station mass controls were replaced by new IROFS that are a combination of the prior IROFS. As a result, the “sole” designation is removed from IROFS 701-03 and six other sole IROFS are eliminated (701-09, 701-10, 701-13, 701-14, 701-15, and 701-16).
13990	Relocate Line three recycle moisture probe A132400
14607	Implement new IROFS to interlock nitrogen and cold trap feed valves.
13388	Radiation Protection Posting Changes.

Enclosure