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March 13, 2017

Mr. Jerald G. Head  
Senior Vice President, Regulatory Affairs  
General Electric-Hitachi  
Nuclear Energy Americas, LLC  
P.O. Box 780, M/C A-18  
Wilmington, NC 28401-0780

SUBJECT: FINAL SAFETY EVALUATION FOR AMENDMENT 37 TO GLOBAL NUCLEAR FUEL – AMERICAS TOPICAL REPORT NEDE-24011-P-A-US GENERAL ELECTRIC STANDARD APPLICATION FOR REACTOR FUEL AND THE US SUPPLEMENT (CAC NO. MF0743)

Dear Mr. Head:

By letter dated February 13, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13052A612), Global Nuclear Fuel [(GNF)] - Americas submitted Topical Report (TR) NEDE-24011-P-A-19 and NEDE-24011-P-A-19-US General Electric Standard Application for Reactor Fuel (GESTAR II) and the US Supplement to the U.S. Nuclear Regulatory Commission (NRC) staff for review.

By letter dated February 23, 2017, an NRC draft safety evaluation (SE) regarding our approval of TR NEDE-24011-P-A-19 and NEDE-24011-P-A-19-US GESTAR II and the US Supplement was provided for your review and comment (ADAMS Accession No. ML17052A593). By letter dated March 1, 2017, you provided comments on the draft SE (ADAMS Accession No. ML17060A341). The NRC staff's disposition of the GNF comments on the draft SE are discussed in the table following the final SE enclosed with this letter.

The NRC staff has found that Amendment 37 to TR NEDE-24011-P-A-19 and NEDE-24011-P-A-19-US is acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the TR and in the enclosed final SE. The final SE defines the basis for our acceptance of the TR.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in licensing applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

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In accordance with the guidance provided on the NRC website, we request that GNF publish approved proprietary and non-proprietary versions of TR NEDE-24011-P-A-19 and NEDE-24011-P-A-19-US, within three months of receipt of this letter. The approved versions shall incorporate this letter and the enclosed final SE after the title page. Also, they must contain historical review information, including NRC requests for additional information (RAIs) and your responses. The approved versions shall include a "-A" (designating approved) following the TR identification symbol.

As an alternative to including the RAIs and RAI responses behind the title page, if changes to the TR were provided to the NRC staff to support the resolution of RAI responses, and the NRC staff reviewed and approved those changes as described in the RAI responses, there are two ways that the accepted version can capture the RAIs:

1. The RAIs and RAI responses can be included as an Appendix to the accepted version.
2. The RAIs and RAI responses can be captured in the form of a table (inserted after the final SE) which summarizes the changes as shown in the approved version of the TR. The table should reference the specific RAIs and RAI responses which resulted in any changes, as shown in the accepted version of the TR.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, GNF will be expected to revise the TR appropriately or justify its continued applicability for subsequent referencing. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

Sincerely,

*/RA/*

Kevin Hsueh, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 712

Enclosure:  
Final SE (Proprietary)

cc w/o encl:  
See next page

GE-Hitachi Nuclear Energy Americas

Project No. 712

cc:

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**ADAMS Accession Nos.: ML17066A291 (Cover Letter); ML17066A312 (Safety Evaluation); ML17066A346 (Package); \*concurring via email** **NRR-106**

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