



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

June 14, 2019

Ms. Michelle P. Catts  
Senior Vice President, Regulatory Affairs  
GE-Hitachi Nuclear Energy Americas, LLC  
P.O. Box 780, M/C A-10  
Wilmington, NC 28401-0780

SUBJECT: DRAFT SAFETY EVALUATION FOR PROPOSED AMENDMENT 48 TO  
NEDE-24011-P-A-26, "GENERAL ELECTRIC STANDARD APPLICATION FOR  
REACTOR FUEL (GESTAR II) (EPID L-2018-TOP-0040)

Dear Ms. Catts:

By letter dated June 6, 2018 (Agencywide Documents Access and Management System Accession No. ML18157A181), Global Nuclear Fuel – Americas, LLC (GNF) submitted "Proposed Amendment 48 to NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel (GESTAR II)," to the U.S. Nuclear Regulatory Commission (NRC) staff for review. This letter was supplemented by a letter dated September 26, 2018, "Additional Modification to the Proposed Administrated Amendment 48 to NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel (GESTAR II)" (ADAMS Accession No. ML18269A023). Enclosed for GEH review and comment is a copy of the NRC staff's draft safety evaluation (SE) for the proposed supplement.

Twenty working days are provided for you to comment on any factual errors or clarity concerns contained in the draft SE. The final SE will be issued after making any necessary changes. The NRC staff's disposition of your comments on the draft SE will be discussed in the final SE.

To facilitate the NRC staff's review of your comments, please provide a marked-up copy of the draft SE showing proposed changes and provide a summary table of the proposed changes.

If you have any questions, please contact Joseph Golla at 301-415-1002.

Sincerely,

/RA/

Dennis C. Morey, Chief  
Licensing Processes Branch  
Division of Licensing Projects  
Office of Nuclear Reactor Regulation

Docket No. 99901376

Enclosure: Draft SE

cc w/ encl.:

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SUBJECT: DRAFT SAFETY EVALUATION FOR PROPOSED AMENDMENT 48 TO  
NEDE-24011-P-A-26, "GENERAL ELECTRIC STANDARD APPLICATION FOR  
REACTOR FUEL (GESTAR II) (EPID L-2018-TOP-0040) DATE: JUNE 14, 2019

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**ADAMS Accession Nos.: ML19144A132      \*concurrence via e-mail      NRR-043**

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NAME	JGolla	DHarrison	RLukes	DMorey
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1 OFFICE OF NUCLEAR REACTOR REGULATION

2 SAFETY EVALUATION FOR AMENDMENT 48 TO

3 GLOBAL NUCLEAR FUEL

4 TOPICAL REPORT NEDE-24011-P-A, GENERAL ELECTRIC STANDARD APPLICATION

5 FOR REACTOR FUEL (GESTAR II) APPENDIX A

6 (EPID L-2018-TOP-0040)

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8  
9 1.0 INTRODUCTION

10  
11 By letter dated June 6, 2018, as supplemented by letter dated September 26, 2018  
12 (Refs. 1 and 2), Global Nuclear Fuel – Americas, LLC (GNF) submitted Amendment 48 to  
13 NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel (GESTAR II) to  
14 the U.S. Nuclear Regulatory Commission (NRC) staff for review.

15  
16 In Amendment 48, GNF requests changes to Appendix A of GESTAR II entitled “Standard  
17 Supplemental Reload Licensing Report And Fuel Bundle Information Report.” This appendix  
18 contains generic templates for the Supplemental Reload Licensing Report (SRLR) and the Fuel  
19 Bundle Information Report (FBIR). These proposed revisions reflect slight variations in the  
20 presentation of analytical results as the result of lessons learned during the generation of  
21 individual plant SRLRs and FBIRs.

22  
23 2.0 REGULATORY EVALUATION

24  
25 The NRC staff considered Title 10 of the *Code of Federal Regulations* (10 CFR) 50.36,  
26 “Technical Specifications,” which contains regulatory requirements related to the contents of the  
27 technical specifications (TS). Specifically, 10 CFR 50.36(b) states that “...The technical  
28 specifications will be derived from the analyses and evaluation included in the safety analysis  
29 report, and amendments thereto, submitted pursuant to § 50.34” in its review of this application.

30  
31 3.0 TECHNICAL EVALUATION

32  
33 The proposed amendment to GESTAR II would revise the generic templates for the cycle-  
34 specific SRLR and FBIR reports. These proposed revisions result from lessons learned during  
35 generation of actual SRLR and FBIR reports for individual plants.

36  
37 The SRLR and FBIR contain the results from the cycle-specific reload safety analyses. The key  
38 results from these documents are included in the licensee’s core operating limits report (COLR),  
39 which comprises the operating limits for the specific cycle of interest. Operation in accordance  
40 with the limits in the COLR ensures compliance with the safety analyses. A plant’s TS require  
41 that the COLR, including any mid-cycle revisions, is submitted on the docket to the NRC.  
42 The NRC staff reviewed the proposed revisions to the SRLR and FBIR templates. The staff  
43 determined that all changes to these templates are administrative and/or editorial in nature.  
44 That is, the proposed changes do not modify the fundamental technical content of these reports  
45 nor do they modify the methods used to perform the safety analyses. Therefore, these revisions

Enclosure

1 will not change the content of the COLR nor the methods used to generate the limits specified in  
2 the COLR.

3  
4 Based on the above considerations, the NRC staff concludes that the proposed amendment to  
5 GESTAR is acceptable as the requirements of 10 CFR 50.36 continue to be met.

#### 6 7 4.0 CONCLUSION

8  
9 Based on its review of Amendment 48, as supplemented, the NRC staff has concluded that the  
10 changes to the SRLR and FBIR templates are administrative and/or editorial in nature. These  
11 revisions will not change the content of the COLR nor the methods used to generate the limits  
12 specified in the COLR, ensuring that plant operation, in accordance with the COLR limits, is still  
13 compliant with the safety analyses. Therefore, the NRC staff approves the requested  
14 Amendment 48 to GESTAR II as the requirements of 10 CFR 50.36 continue to be met.

#### 15 16 5.0 REFERENCES

- 17  
18 1. Moore, Brian R., Global Nuclear Fuel – Americas, LLC, Letter to U.S. Nuclear  
19 Regulatory Commission, “Proposed Administrative Amendment 48 to  
20 NEDE-24011-P-A-26, General Electric Standard Application for Reactor Fuel  
21 (GESTAR II),” June 6, 2018 (ADAMS Accession No. ML18157A181).  
22  
23 2. Moore, Brian R., Global Nuclear Fuel – Americas, LLC, Letter to U.S. Nuclear  
24 Regulatory Commission, “Additional Modification to the Proposed Administrative  
25 Amendment 48 to NEDE-24011-P-A-26, General Electric Standard Application for  
26 Reactor Fuel (GESTAR II),” September 26, 2018 (ADAMS Accession  
27 No. ML18269A023).  
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29 Principal Contributor: Phillip Sahd

30  
31 Date: June 14, 2019  
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