



## Global Nuclear Fuel

### ~~Proprietary Notice~~

This letter transmits ~~proprietary information~~ in accordance with 10 CFR 2.390. Upon the removal of Enclosure 1, the balance of the letter may be considered non-proprietary.

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February 28, 2018

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Subject: Licensing Topical Report NEDE-33885P, Revision 0, “GNF CRDA Application Methodology”


Global Nuclear Fuel – Americas (GNF-A) is submitting licensing topical report (LTR) NEDE-33885P, “GNF CRDA Application Methodology,” Revision 0, February 2018, for review and approval under the NRC’s LTR program for referencing in licensing actions. This LTR provides a method for analyzing the effects of a postulated control rod drop accident (CRDA). This LTR is a normal topical report that is applicable to all boiling water reactor (BWR) types and all fuel designs. GNF-A requests that the NRC review be completed within 24 months following the receipt of the LTR.

Consistent with discussions in the pre-submittal meeting, the GESTAR II modifications associated with this LTR are included in Section 6 of the LTR. This will allow the NRC staff to prepare one safety evaluation (SE) to approve both the LTR and GESTAR II. In addition, Appendices A and B in the LTR contain sample Technical Specifications and Bases markups to assist plants in the implementation of this CRDA methodology.

Please note that Enclosure 1 contains proprietary information of the type that GNF-A maintains in confidence and withholds from public disclosure. The affidavit contained within Enclosure 3 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GNF-A. GNF-A hereby requests that the information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17. Enclosure 2 is a non-proprietary version of Enclosure 1.

If you have any questions about the information provided here, please contact me at (910) 819-6684 or Jim Harrison at (910) 620-1826.

Sincerely,



Brian R. Moore, Ph.D  
General Manager, Core & Fuel Engineering  
Global Nuclear Fuel – Americas, LLC

Project No. 712  
Docket No. 99901376

**Enclosures:**

1. NEDE-33885P, Revision 0, “GNF CRDA Application Methodology,” February 2018 – GNF-A Proprietary Information - Class II (Internal)
2. NEDO-33885, Revision 0, “GNF CRDA Application Methodology,” February 2018 – Non-Proprietary Information - Class I (Public)
3. Affidavit

cc: J Golla, US NRC  
JG Head, GEH/Wilmington  
PL Campbell, GEH/ Washington  
BR Moore, GEH/Wilmington  
PLM Specifications 004N7069 R0, NEDE-33885P R0, and NEDO-33885 R0

**Document Components:**

001 M180035 Cover Letter.pdf  
002 M180035 Enclosure 1 Proprietary.pdf  
003 M180035 Enclosure 2 Non-Proprietary.pdf  
004 M180035 Enclosure 3 Affidavit.pdf