



Global Nuclear Fuel

A Joint Venture of GE, Toshiba, & Hitachi

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Proprietary Notice

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

M170194
August 18, 2017

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

Subject: Approved Version of NEDC-33840P, Revision 0, “The PRIME Model for Transient Analysis of Fuel Rod Thermal – Mechanical Performance”

By Reference 1, the NRC issued the final Safety Evaluation (SE) for Global Nuclear Fuel – Americas, LLC (GNF) Licensing Topical Report (LTR) NEDC-33840P, Revision 0, “The PRIME Model for Transient Analysis of Fuel Rod Thermal – Mechanical Performance.” The NRC requested in Reference 1 that GNF publish approved proprietary and non-proprietary versions of the LTR incorporating the final SE (Reference 2). The approved (-A) version of the LTR also reflects revisions to Table 3-1, Section 5.2.1.1, and Section 7.0, and the addition of a new Section 3.3.4 in accordance with Reference 1. The existing Section 3.3.4 in Revision 0 of the LTR was moved to create a new Section 3.3.5.

As requested, enclosed is the -A version of the subject LTR.

Enclosure 1 contains proprietary information of the type that GNF 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. GNF 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
General Manager, Core & Fuel Engineering
Global Nuclear Fuel – Americas, LLC

Project No. 712

Reference:

1. Letter, Dennis C. Morey (NRC) to Jerald G. Head (GEH), “Final Safety Evaluation for Global Nuclear Fuel – Americas, LLC NEDC-33840P, Revision 0, “The PRIME Model for Transient Analysis of Fuel Rod Thermal-Mechanical Performance” (CAC No. MF7687),” M170187, July 19, 2017.

Enclosures:

1. NEDC-33840P-A Revision 1 – GNF Proprietary Information – Class II (Internal)
2. NEDO-33840-A Revision 1 – Non-Proprietary Information – Class I (Public)
3. GNF-A Affidavit

cc:

J Golla, USNRC
JG Head, GEH/Wilmington
PL Campbell, GEH/Washington
JF Harrison, GEH/Wilmington
PLM Specifications NEDC-33840P R1, NEDO-33840 R1, and 001N7862 R3

Document Components:

- 001 M170194 Cover Letter.pdf
- 002 M170194 Enclosure 1 Proprietary.pdf
- 003 M170194 Enclosure 2 Non-Proprietary.pdf
- 004 M170194 Enclosure 3 Affidavit.pdf