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GE Hitachi Nuclear Energy

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.

James F. Harrison

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M170147
June 8, 2017

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

Subject: NEDC-33173P Supplement 5 – Applicability of GE Methods to Expanded Operating Domains - Supplement for GNF3 Fuel

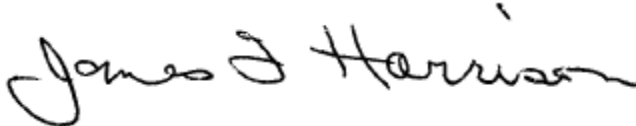
By Reference 1, the NRC approved GEH's Licensing Topical Report (LTR), NEDC-33173P, Applicability of GEH Methods to Expanded Operating Domains (Methods LTR). The NRC SE states in Section 8.2 and Limitation 9.22 that the NRC's review of the Methods LTR is limited to the current GEH fuel designs (i.e., GE14 and earlier). NEDC-33173P, Supplement 3, which was approved in 2011 (Reference 2), extended the applicability of Reference 1 to include the GNF2 fuel design. GNF has developed a new fuel design, GNF3, which is described in GNF Report NEDC-33879P, Revision 0, March 2017, "GNF3 Generic Compliance with NEDE-24011-P-A (GESTAR II)" (Reference 3). Enclosed is a supplement to NEDC-33173P that documents the adequacy of the GEH analytical methods relative to GNF3 fuel when used for expanded operating domains.

Utilities may submit license applications for expanded operating domains that utilize GNF3 fuel. Additionally, utilities already approved for expanded operating domains based on NEDC-33173P will desire to transition to GNF3 fuel. This supplement supports both uses of GNF3 fuel.

Enclosure 1 contains proprietary information of the type that GEH 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 GEH. GEH 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, please contact me.

Sincerely,



James F. Harrison
Vice President, Fuels Licensing
Regulatory Affairs
GE-Hitachi Nuclear Energy Americas, LLC
Project No. 710

References:

1. Letter from Thomas B. Blount, (NRC) to Jerald G. Head (GEH), Subject: Final Safety Evaluation for GE Hitachi Nuclear Energy Americas, LLC Licensing Topical Report NEDC-33173P, "Applicability Of GE Methods To Expanded Operating Domains" (TAC No. MD0277), MFN 09-808, July 21, 2009.
2. Letter from James F. Harrison (GEH) to NRC Document Control Desk, Subject: Accepted Version of NEDC-33173P Supplement 3, "Applicability of GE Methods to Expanded Operating Domains-Supplement for GNF2 Fuel" (TAC No. ME1815), MFN 11-170, July 12, 2011.
3. Letter, Brian R. Moore (GNF) to NRC Document Control Desk, Subject: GNF3 Generic Compliance with NEDE-24011-P-A (GESTAR II), NEDC-33879P, March 2017 and GEXL21 Correlation for GNF3 Fuel, NEDC-33880P, March 2017, M170030, April 6, 2017.

Enclosures:

1. NEDC-33173P Supplement 5 – GNF3 Supplement – GEH Proprietary Information – Class II (Internal)
2. NEDC-33173 Supplement 5 – GNF3 Supplement – 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
PT Tran, GEH/Vallecitos
PLM Specifications NEDC-33173P_SUPPL5 R0
NEDO-33173_SUPPL5 R0
003N6256 R0

Document Components:

001 M170147 Cover Letter.pdf
002 M170147 Enclosure 1 Proprietary.pdf
003 M170147 Enclosure 2 Non-Proprietary.pdf
004 M170147 Enclosure 3 Affidavit.pdf