



HITACHI

GE Hitachi Nuclear Energy

Proprietary Notice

This letter transmits proprietary information in accordance with 10 CFR 2.390. Upon the removal of Enclosures 1 and 4, the balance of the letter may be considered non-proprietary.

MFN 16-020
June 13, 2016

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

James F. Harrison

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Vice President, Fuel Licensing, Regulatory Affairs
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Subject: Response to Request for Additional Information Regarding Review of Licensing Topical Reports NEDE-33005P and NEDO-33005, "Licensing Topical Report TRACG Application for Emergency Core Cooling Systems / Loss-of-Coolant-Accident Analyses for BWR/2-6" (TAC No. ME5405)

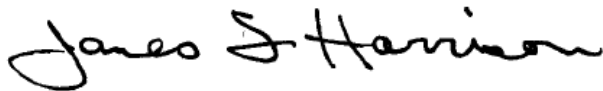
This letter transmits the GE Hitachi Nuclear Energy (GEH) responses to the Nuclear Regulatory Commission (NRC) Requests for Additional Information (RAIs) 99 and 100 for NEDE-33005P (Reference 1) and a revised response for SNPB RAI-33 (Reference 2). The revised response to SNPB-RAI-33 reflects corrections to the way the rod internal pressure uncertainty was applied to cladding rupture calculations, and will eliminate the discrepancy that resulted from model correction and updates in rod internal pressure uncertainty. The revised response to SNPB-RAI-33 supersedes the response provided in Reference 3. In addition, a copy of the GE Fuel Clad Swelling and Rupture Model (Reference 4) that is cited as Reference R33-1 in the revised SNPB-RAI-33 response has been included.

Please note that 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 the non-proprietary version of Enclosure 1.

Enclosure 4 contains a copy of the GE fuel clad swelling and rupture model, which is deemed proprietary in its entirety. Thus, a non-proprietary version of Enclosure 4 has not been provided in accordance with NRC Information Notice 2009-07, Requirements for Submittals, (2), which states: "In instances in which a nonproprietary version would be of no value to the public because of the extent of the proprietary information, the agency does not expect a nonproprietary version to be submitted."

If you have questions regarding the enclosed references, please contact me or Phil Sharpe at 910.819.1896.

Sincerely,

A handwritten signature in black ink that reads "James F. Harrison". The signature is fluid and cursive, with the first name "James" and last name "Harrison" clearly legible.

James F. Harrison
Vice President, Fuel Licensing
Regulatory Affairs
GE-Hitachi Nuclear Energy Americas LLC

Project No. 710

No commitments are made in this letter beyond those specifically made in the RAI responses.

References:

1. Letter from Joseph A. Golla (NRC) to Jerald G. Head (GEH), Subject: Request for Additional Information Regarding Review of Licensing Topical Report NEDE-33005P and NEDO-33005, "TRACG Application for Emergency Core Cooling Systems / Loss-of-Coolant Accident Analyses for BWR/2-6" (TAC No. ME5405), MFN 16-022, March 24, 2016.
2. Letter from Stephen S. Philpott (NRC) to Jerald G. Head (GEH), Subject: Request for Additional Information Re: GE-Hitachi Nuclear Energy Americas Topical Report (TR) NEDE-33005P, Revision 0, "TRACG Application for Emergency Core Cooling Systems / Loss-of-Coolant-Accident Analyses for BWR/2-6" (TAC No. ME5405), MFN 12-119, October 19, 2012.
3. Letter from James F. Harrison (GEH) to NRC Document Control Desk, Subject: Response to Request for Additional Information Re: GE-Hitachi Nuclear Energy Americas Topical Report (TR) NEDE-33005P, Revision 0, "TRACG Application for Emergency Core Cooling Systems / Loss-of-Coolant-Accident Analyses for BWR/2-6" (TAC No. ME5405), MFN 14-064, October 7, 2014.
4. Letter from R. H. Buchholz (General Electric) to NRC, Subject: General Electric Fuel Clad Swelling and Rupture Model, MFN-097-81, May 15, 1981.

Enclosures:

1. Response to Round 3 Requests for Additional Information 99 and 100 and Revised Set 1 RAI 33 Response – GEH Proprietary Information – Class II (Internal)
2. Response to Round 3 Requests for Additional Information 99 and 100 and Revised Set 1 RAI 33 Response – Non-Proprietary Information – Class I (Public)
3. Affidavit for Enclosure 1 dated June 2016
4. MFN-097-81, General Electric Fuel Clad Swelling and Rupture Model – GEH Proprietary Information – Class II (Internal)
5. Affidavit for Enclosure 4 dated June 2016

cc: J Golla, US NRC
JG Head, GEH/Wilmington
PL Campbell, GEH/Washington
P Sharpe, GEH/Wilmington
PT Tran, GEH/Vallecitos
PLM Specifications 001N8570 R4

Document Components:

001 MFN 16-020 Cover Letter.pdf
002 MFN 16-020 Enclosure 1 Proprietary.pdf
003 MFN 16-020 Enclosure 2 Non-Proprietary.pdf
004 MFN 16-020 Enclosure 3 Affidavit.pdf
005 MFN 16-020 Enclosure 4 Proprietary.pdf
006 MFN 16-020 Enclosure 5 Affidavit.pdf