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Proprietary Notice

This letter transmits ~~proprietary information~~ in accordance with 10 CFR 2.390 and export-controlled information in accordance with 10 CFR Part 810. Upon the removal of Enclosures 1 and 3, the balance of the letter may be considered non-proprietary and does not contain export-controlled information.

M210152

December 17, 2021

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

Canadian Nuclear Safety Commission
280 Slater Street
P.O. Box 1046, Station B
Ottawa, Ontario, K1P 5S9, Canada

Subject: Revised Response to Request for Additional Information (eRAI) 9862
Question 06.02.01-01 for Licensing Topical Report NEDC-33922P, Revision 0,
BWRX-300 Containment Evaluation Method and Submittal of Revision 2 of NEDC-
33922P, BWRX-300 Containment Evaluation Method Licensing Topical Report

- References:**
1. Email from James Shea (US NRC) to Lisa Schichlein (GEH), "GEH BWRX-300 LTR NEDC-33922P, Containment Evaluation Method, Final Approved RAI Letter 16 Proprietary and Public Versions," August 5, 2021.
 2. U.S. Nuclear Regulatory Commission, "Audit Plan for the Regulatory Audit of GE-Hitachi Nuclear Energy Americas, LLC Topical Report NEDC-33922, "BWRX-300 Containment Evaluation Method"," December 31, 2020.
 3. GEH Letter M200130, "Pre-Application Submittal of NEDC-33922P, BWRX-300 Containment Evaluation Method Licensing Topical Report," September 25, 2020.
 4. GEH Letter M210132, "Response to Request for Additional Information (eRAI) 9862 for Licensing Topical Report NEDC 33922P, Revision 0, BWRX-300 Containment Evaluation Method," October 29, 2021.
 5. GEH Letter M210139, "Submittal of Revision 1 of NEDC-33922P, BWRX-300 Containment Evaluation Method Licensing Topical Report," November 19, 2021.

Enclosure 1 contains the revised response to Reference 1 Nuclear Regulatory Commission (NRC) Request for Additional Information (eRAI) 9862 Question 06.02.01-01 issued August 5, 2021. The revised response reflects corrections to the small break case due to a discrepancy in the input to the GOTHIC model and supersedes the original response submitted in Reference 4. This eRAI

is related to the NRC review (Reference 2) of the GE-Hitachi Nuclear Energy Americas, LLC (GEH) Licensing Topical Report (LTR) NEDC-33922P, Revision 0, submitted in Reference 3, and revised in Reference 5.

Enclosure 3 contains Revision 2 of the GE-Hitachi Nuclear Energy Americas, LLC (GEH) Licensing Topical Report (LTR), originally submitted in Reference 1, describing the analysis method used for the BWRX-300 containment thermal hydraulics performance. This revision includes changes proposed in the revised response to NRC Request for Additional Information (eRAI) 9862 Question 06.02.01-01.

This information is being submitted specifically to support review of the LTR by the U.S. NRC and the Canadian Nuclear Safety Commission (CNSC).

Enclosures 1 and 3 contain proprietary information of the type that GEH maintains in confidence and withholds from public disclosure. GEH hereby requests that the information in Enclosures 1 and 3 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17. In addition, Enclosures 1 and 3 contain information subject to the export control laws and regulations of the United States, including 10 CFR Part 810. The affidavit contained within Enclosure 5 identifies that the information contained in Enclosures 1 and 3 has been handled and classified as proprietary to GEH and is subject to United States export control laws and regulations. Enclosures 2 and 4 are non-proprietary versions of Enclosures 1 and 3, respectively.

If you have any questions, please contact me at 910-200-3295.

Sincerely,



George E. Wadkins
Vice President, New Power Plants and Products Licensing
GE-Hitachi Nuclear Energy Americas, LLC

Enclosures:

1. Revised Response to Request for Additional Information (eRAI) 9862 Question 06.02.01-01 - Licensing Topical Report NEDC-33922P, Revision 0, BWRX-300 Containment Evaluation Method - GEH Proprietary Information – Non-Public
2. Revised Response to Request for Additional Information (eRAI) 9862 Question 06.02.01-01 - Licensing Topical Report NEDC-33922P, Revision 0, BWRX-300 Containment Evaluation Method – Non-Proprietary Information
3. NEDC-33922P, Revision 2, Licensing Topical Report BWRX-300 Containment Evaluation Method - GEH Proprietary Information - Non-Public
4. NEDO-33922, Revision 2, Licensing Topical Report BWRX-300 Containment Evaluation Method - Non-Proprietary Information
5. Affidavit dated December 2021

cc: James Shea, US NRC
Chantal Morin, CNSC
PLM Specification 006N8722 Revision 0

Document Components:

001 M210152 Cover Letter.pdf
002 M210152 Enclosure 1 Proprietary.pdf
003 M210152 Enclosure 2 Non-Proprietary.pdf
004 M210152 Enclosure 3 Proprietary.pdf
005 M210152 Enclosure 4 Non-Proprietary.pdf
006 M210152 Enclosure 5 Affidavit.pdf