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Proprietary Notice

~~This letter transmits proprietary information in accordance with 10 CFR 2.390. Upon the removal of Enclosures 1 and 2, the balance of the letter may be considered non-proprietary.~~

M230098

July 31, 2023

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

Subject: NEDC-33926P/NEDO-33926, Revision 0, BWRX-300 Steel-Plate Composite Containment Vessel (SCCV) and Reactor Building (RB) Structural Design Additional Information to Support USNRC Acceptance Review

Reference: GEH Letter M230063, "NEDC-33926P/NEDO-33926, Revision 0, BWRX-300 Steel-Plate Composite Containment Vessel (SCCV) and Reactor Building (RB) Structural Design," May 4, 2023.

Enclosed is additional information requested in a teleconference between GEH and USNRC Staff on July 6, 2023, in support of the U.S. Nuclear Regulatory Commission (USNRC) acceptance review of the referenced GE-Hitachi Nuclear Energy Americas, LLC (GEH) Licensing Topical Report (LTR) describing the approach and methodology for structural design Steel-Plate Composite (SC) modules with diaphragm plates for the integrated Reactor Building (RB) housing the Steel-Plate Composite Containment Vessel (SCCV) and Reactor Building (RB) and containment internal structures. Enclosures 1 through 4 provide this additional information and include commitments where appropriate to submit revisions to the LTR during the review process prior to USNRC completing the Advanced Safety Evaluation Report (SER) with No Open Items.

A similar correspondence has been transmitted to the Canadian Nuclear Safety Commission (CNSC) in support of the Memorandum of Collaboration between CNSC and USNRC on performance of joint reviews of the BWRX-300 Small Modular Reactor (SMR) design.

Enclosures 1 and 2 contain proprietary information of the type that GEH maintains in confidence and withholds from public disclosure. The affidavit contained within Enclosure 5 identifies that the information contained in Enclosures 1 and 2 has been handled and classified as proprietary to GEH. GEH hereby requests that the information in Enclosures 1 and 2 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17. Enclosures 3 and 4 are non-proprietary versions of Enclosures 1 and 2.

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. NEDC-33926P/NEDO-33926, Revision 0 - Additional Information to Support NRC Acceptance Review – GEH Proprietary Information – Non-Public
2. National Reactor Innovation Center (NRIC) Prototype Test Report – GEH Proprietary Information – Non-Public
3. NEDC-33926P/NEDO-33926, Revision 0 - Additional Information to Support NRC Acceptance Review – Non-Proprietary Information
4. National Reactor Innovation Center (NRIC) Prototype Test Report – Non-Proprietary Information
5. Affidavit

cc: Michelle Hayes, NRC
James Shea, NRC
Jordan Gilson, NRC

PLM Specification 007N9938 Revision 0

Document Components:

001 M230098 Cover Letter.pdf
002 M230098 Enclosure 1 Proprietary.pdf
003 M230098 Enclosure 2 Proprietary.pdf
004 M230098 Enclosure 3 Non-Proprietary.pdf
005 M230098 Enclosure 4 Non-Proprietary.pdf
006 M230098 Enclosure 5 Affidavit.pdf