



# HITACHI

## 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.

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

Subject: Approved Version of NEDC-33912P-A, Revision 1 BWRX-300 Reactivity Control Licensing Topical Report

- References:
1. GEH Letter M200055, "Pre-Application Submittal of NEDC-33912P, BWRX-300 Reactivity Control Licensing Topical Report," dated March 31, 2020.
  2. GEH Letter M200099, "Response to Request for Additional Information (eRAI) 9761 for Licensing Topical Report NEDC-33912P, Revision 0, BWRX-300 Reactivity Control," dated August 3, 2020.
  3. GEH Letter M200122, "Pre-Application Submittal of Supplement 1 of NEDC-33912P, BWRX-300 Reactivity Control Licensing Topical Report," dated September 4, 2020.
  4. NRC Letter. Final Safety Evaluation for GE-Hitachi Licensing Topical Report NEDC-33912P, Revision 0, "BWRX-300 Reactivity Control" dated January 12, 2021. M121006A167.

Enclosed is Revision 1 of the GE-Hitachi Nuclear Energy Americas, LLC (GEH) Licensing Topical Report (LTR) submitted in References 1 and 3 describing design requirements, analytical methods, acceptance criteria, and regulatory basis for the BWRX-300 reactivity control design functions. Revision 1 includes the acceptance version of NEDC-33912, Supplement 1, Revision 0 and incorporates the NRC Staff Approval letter and accompanying Safety Evaluation. Revision 1 also includes, in Appendix A, eRAI 9761 questions and corresponding responses, and in Appendix B, the changed pages from NEDC-33912P, Supplement 1, Revision 0 (Reference 3).

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 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-33912P-A, Revision 1, Licensing Topical Report - BWRX-300 Reactivity Control– GEH Proprietary Information- Non-Public
2. NEDO-33912-A, Revision 1, Licensing Topical Report - BWRX-300 Reactivity Control– Non-Proprietary Information
3. Affidavit

cc: J Shea, US NRC  
PLM Specification – 006N4725

**Document Components:**

001 M210014 Cover Letter.pdf  
002 M210014 Enclosure 1 Proprietary.pdf  
003 M210014 Enclosure 2 Non-Proprietary.pdf  
004 M210014 Enclosure 3 Affidavit.pdf