



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 08, 2021

Ms. Michelle Catts
Senior Vice President, Regulatory Affairs
GE-Hitachi Nuclear Energy Americas, LLC.
P.O. Box 780, M/C A-18
Wilmington, NC 28402 USA

SUBJECT: SAFETY EVALUATION FOR THE GE-HITACHI LICENSING TOPICAL REPORT
NEDC-33911P, REVISION 0, SUPPLEMENT 1, "BWRX-300 CONTAINMENT
PERFORMANCE" (DOCKET NO. 99900003)

Dear Ms. Catts:

By letter dated March 31, 2020, GE-Hitachi Nuclear Energy Americas, LLC (GEH) submitted Licensing Topical Report (TR) NEDC-33911P, Revision 0, "BWRX-300 Containment Performance," (Agencywide Documents Access and Management System Accession No. ML20091S340) to the U.S. Nuclear Regulatory Commission (NRC) staff for review. In that letter, GEH requested the NRC staff to review and approve the design requirements, acceptance criteria, and regulatory basis for the BWRX-300 containment performance functions. GEH further requested that the NRC staff review this information, determine its acceptability for use, and issue a final safety evaluation (SE) no later than December 31, 2020.

It is the NRC staff's understanding that NEDC-33911P will be referenced in a future application for a construction permit or a combined operating license for the BWRX-300 small modular reactor, an evolutionary boiling water reactor based on GEH's Economic Simplified Boiling-Water Reactor design, previously certified.

The NRC staff informed GEH that it had accepted NEDC-33911P for review in a letter dated May 28, 2020 (ADAMS Accession No. ML20149K635). By letter dated September 4, 2020 (ADAMS Accession No. ML20248H572), GEH submitted Revision 0, Supplement 1, of this TR for the NRC staff's review and approval. A public version of Revision 0, Supplement 1, of this TR can be found in ADAMS under Accession No. ML20248H573.

The NRC staff's SE for NEDC-33911P, Revision 0, Supplement 1, is available in ADAMS under Accession No. ML21008A370. A public version of the NRC staff's SE can be found in ADAMS under Accession No. ML21008A371. If you have any questions or comments concerning this matter, I can be reached at (301) 415-7334 or via e-mail address at Rani.Franovich@nrc.gov.

Sincerely,

/RA/

Rani Franovich, Senior Project Manager
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

Docket No.: 99900003

cc: GEH BWRX-300 NEDC-33911P ListServ

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DATED: JANUARY 08, 2021

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ADAMS Accession Nos.:

PKG: ML21008A367

LTR: ML21008A369

***via e-mail**

NRR-106

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NRLB: LA	NRR/DNRL/NRLB: PM
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DATE	1/8/2021	1/8/2021	1/8/2021

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