



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

February 9, 2022

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 GE-HITACHI LICENSING TOPICAL REPORT
NEDO-33914, REVISION 1, "BWRX-300 ADVANCED CIVIL CONSTRUCTION
AND DESIGN APPROACH" (DOCKET NO. 99900003)

Dear Ms. Catts:

By letter dated January 20, 2021, GE-Hitachi Nuclear Energy Americas, LLC (GEH), submitted Licensing Topical Report (LTR) NEDO-33914, "BWRX-300 Advanced Civil Construction and Design Approach," Revision 0 (Agencywide Documents Access and Management System Accession No. ML21020A135), to the U.S. Nuclear Regulatory Commission (NRC) staff for review. In that letter, GEH requested the NRC staff to review the design, analysis, and monitoring guidelines, and requirements for construction of a BWRX-300 Small Modular Reactor (SMR). GEH further requested that the NRC staff review this information and determine its acceptability for use in a future application for a construction permit or a combined license.

The NRC staff informed GEH that it had accepted NEDO-33914 for review in a letter dated March 4, 2021 (ADAMS Accession No. ML21048A244). By letter dated November 18, 2021 (ADAMS Accession No. ML21322A214), GEH submitted Revision 1 of this LTR for the NRC staff's review and approval. By letter dated November 29, 2021 (ADAMS Accession No. ML21323A091), the NRC staff provided the revised review schedule.

The NRC staff's safety evaluation (SE) for NEDO-33914, Revision 1, is available in ADAMS under Accession No. ML22020A035 (Package). The SE will support future meeting of the Advisory Committee on Reactor Safeguards, currently scheduled for March 18, 2022, for the Sub-Committee; and April 6, 2022, for the Full-Committee.

M. Catts

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If you have any questions or comments concerning this matter, I can be reached at (301) 415-8177 or via e-mail address at Alina.Schiller@nrc.gov.

Sincerely,

/RA/

Alina Schiller, 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-33914 ListServ

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DATED: FEBRUARY 9, 2022

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ADAMS Accession No.:

PKG: ML22020A035

LTR: ML22040A003

SE: ML22020A036

***via email**

NRR-106

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