

From: Shea, Jim
Sent: Thursday, July 14, 2022 8:13 AM
To: GEH-BWRX-300DocsPEm Resource
Subject: FW: Verification of the GEH BWRX-300 LTR NEDO-33914-A, "BWRX-300 Advanced Civil Construction and Design Approach," Revision 2
Attachments: NRC 896 A TR Verification GEH BWRX-300 LTR NEDO-33914 Rev 2.pdf; NRC Staff -A Verification Letter for GEH BWRX-300 LTR Advanced Civil Construction and Design Approach Approved Revision 2.pdf

From: Schiller, Alina <Alina.Schiller@nrc.gov>
Sent: Wednesday, July 13, 2022 12:39 PM
To: Schichlein, Lisa (GE Power Portfolio) <lisa.schichlein@ge.com>; Diaz-Quiroz, Jesus G. (GE Power Portfolio) <Jesus.Diaz-Quiroz@ge.com>
Cc: Wadkins, George (GE Power Portfolio) <George.Wadkins@ge.com>; Shea, Jim <James.Shea@nrc.gov>; Dudek, Michael <Michael.Dudek@nrc.gov>; Colaccino, Joseph <Joseph.Colaccino@nrc.gov>; Ghosh, Amitava <Amitava.Ghosh@nrc.gov>; Lehman, Bryce <Bryce.Lehman@nrc.gov>
Subject: Verification of the GEH BWRX-300 LTR NEDO-33914-A, "BWRX-300 Advanced Civil Construction and Design Approach," Revision 2

Lisa/Jesus,

In a letter dated July 12, 2022 (NRC Verification Letter ADAMS Accession No. ML22172A141, attached), the NRC staff verified that the submitted "-A" version is acceptable and is approved for referencing in future licensing applications for the BWRX-300 to the extent specified and under the limitations delineated. In addition, the signed NRC LTR Verification Form 896 is attached.

The "-A" version will be linked on the NRC BWRX-300 public website.
<https://www.nrc.gov/reactors/new-reactors/smr/bwrx-300.html>

Sincerely,

Alina Schiller

Project Manager
Office of Nuclear Reactor Regulation
Division of New and Renewed Licenses
New Reactor Licensing Branch
O-13 C10
301-415-8177

Hearing Identifier: GEH_BWRX300_Docs_Public
Email Number: 16

Mail Envelope Properties (BLAPR09MB689931A943040B1CAF155C3894889)

Subject: FW: Verification of the GEH BWRX-300 LTR NEDO-33914-A, "BWRX-300 Advanced Civil Construction and Design Approach," Revision 2
Sent Date: 7/14/2022 8:13:17 AM
Received Date: 7/14/2022 8:13:20 AM
From: Shea, Jim

Created By: James.Shea@nrc.gov

Recipients:
"GEH-BWRX-300DocsPEm Resource" <GEH-BWRX-300DocsPEm.Resource@usnrc.onmicrosoft.com>
Tracking Status: None

Post Office: BLAPR09MB6899.namprd09.prod.outlook.com

Files	Size	Date & Time
MESSAGE	1384	7/14/2022 8:13:20 AM
NRC 896 A TR Verification GEH BWRX-300 LTR NEDO-33914 Rev 2.pdf		
1347125		
NRC Staff -A Verification Letter for GEH BWRX-300 LTR Advanced Civil Construction and Design Approach Approved Revision 2.pdf		265392

Options
Priority: Normal
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:

**-A Topical Report Verification**

Topical Report Information		Review Information	
Report Number:	NEDO-33914, REVISION 2	Office/Division/ Branch:	NRR/DEX/ESEB (Lead Branch); NRR/DEX/ EXHB; NRR/DRA/ARCB; NRR/DSS/SCPB
Title:	BWRX-300 ADVANCED CIVIL CONSTRUCTION AND DESIGN APPROACH	Project Manager:	Alina Schiller James Shea
ADAMS Accession Number:	PKG ML22168A008	Reviewers:	Amitava Ghosh, Lead, et al
EPID:	L-2021-TOP-0002		
Docket Number:	99900003		

Staff Verification Determination

ADAMS Accession Numbers for this Review

Package: ML	22172A138	E-mail: ML	22172A139	This Form: ML	22172A140
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☒ The NRC staff has determined that the topical report is acceptable to the extent delineated in the NRC staff's safety evaluation dated:

02/15/2022

ADAMS Accession No.: **ML** 22020A036

☐ Based on its review of the changes documented in the topical report, the NRC staff has determined that the - A report is not acceptable for referencing in licensing actions.

Basis for Denial:

Approvals

Technical Branch Chief

Projects Branch Chief



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

July 12, 2022

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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION VERIFICATION LETTER FOR
GE-HITACHI LICENSING TOPICAL REPORT NEDO-33914-A, REVISION 2,
"BWRX-300 ADVANCED CIVIL CONSTRUCTION AND DESIGN APPROACH"

Dear Ms. Catts:

By letter dated June 17, 2022, GE-Hitachi Nuclear Energy Americas, LLC (GEH), submitted the approved ("A" Revision 2) version of Licensing Topical Report (LTR) NEDO-33914-A, "BWRX-300 Advanced Civil Construction and Design Approach," Revision 2 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22168A010), to the U.S. Nuclear Regulatory Commission (NRC) staff for final verification in support of a future licensing application for the GEH small modular reactor under Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," or Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

GEH submitted the "-A" version of the subject LTR in accordance with the NRC request to publish an approved version, as detailed in the staff final safety evaluation transmittal letter dated April 27, 2022 (ML22103A126).

The NRC staff has verified that the submitted "-A," Revision 2, version is acceptable and is approved for referencing in future licensing applications for the BWRX-300 to the extent specified and under the defined limitations of the LTR process.

If the NRC's criteria or regulations change so that its conclusion in this letter (that the LTR is acceptable) is invalidated, GEH and/or an applicant referencing the LTR will be expected to revise and resubmit its respective documentation or submit justification for the continued applicability of the LTR without revision of the respective documentation.

If you have any questions or comments concerning this matter, I can be reached via e-mail 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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION VERIFICATION LETTER FOR
GE-HITACHI LICENSING TOPICAL REPORT NEDO-33914-A, REVISION 2,
"BWRX-300 ADVANCED CIVIL CONSTRUCTION AND DESIGN APPROACH"
DATED: JULY 12, 2022

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ADAMS Accession Nos.:**PKG: ML22172A138****E-MAIL: ML22172A139****NRCFORM: ML22172A140****LTR: ML22172A141*****via e-mail****NRR-106**

OFFICE	DNRL/NRLB:PM	DNRL/NRLB:LA	DNRL/NRLB:PM	DNRL/NRLB: BC
NAME	ASchiller*	SGreen*	JShea*	MDudek*
DATE	06/21/2022	06/21/2022	06/22/2022	07/12/2022

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