



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

January 25, 2023

MEMORANDUM TO: Michael I. Dudek, Chief
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

FROM: James Shea, Project Manager **/RA/**
New Reactor Licensing Branch
Division of New and Renewed Licenses
Office of Nuclear Reactor Regulation

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION SUMMARY OF
THE DECEMBER 14, 2022, PUBLIC MEETING TO DISCUSS
PRE-APPLICATION LICENSING WHITE PAPER AND TOPICAL
REPORT ON SAFETY STRATEGY FOR THE BWRX-300
SMALL MODULAR REACTOR

On December 14, 2022, a virtual observation public meeting was held between the U.S. Nuclear Regulatory Commission (NRC), Canadian Nuclear Safety Commission (CNSC), GE-Hitachi Nuclear Energy Americas, LLC (GEH), and other stakeholders as identified in Enclosure 2. The purpose of this public meeting was to discuss the submitted White Paper on BWRX-300, "Safety Strategy" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22341A058) and for the NRC and CNSC staff to provide comments and feedback. The White Paper was submitted to the NRC and CNSC on December 7, 2022.

The information presented and discussed during the meeting was non-proprietary, eliminating the need for a closed session of the meeting.

The topics discussed during this meeting included the following:

- BWRX-300 Safety Strategy concept, including a description of the Fundamental Safety Functions, D-in-D concept and process for plant and system design requirements;
- Defense Line definition and application, including process and guidance for classification of structure, system, and components;

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- Description of the Safety Analysis objectives, scope, and approach that aligns with the BWRX-300 Safety Strategy;
- Description of the identification, categorization and grouping of Postulated Initiating Events and accident scenarios, including Fault Sequences; and
- Description of the Hazard Evaluation process and the Deterministic Safety Analysis and Probabilistic Safety Assessment processes.

The NRC issued the public meeting notice (ML22326A267) on October 26, 2022, and posted it on the NRC public website.

Enclosed are the following, the meeting agenda (Enclosure 1), a list of participants for the meeting (Enclosure 2), and a summary of the meeting (Enclosure 3).

Docket No. 99900003

Enclosures:

1. Meeting Agenda
2. List of Attendees
3. Meeting Summary

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 DECEMBER 14, 2022, PUBLIC MEETING TO DISCUSS PRE-APPLICATION
 LICENSING WHITE PAPER AND TOPICAL REPORT ON SAFETY STRATEGY
 FOR THE BWRX-300 SMALL MODULAR REACTOR
 DATED: JANUARY 25, 2022

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ADAMS Accession Nos.:

PKG: ML23023A142

MEMO: ML23023A150

Enclosure 1: ML23023A149

Enclosure 2: ML23023A147

Enclosure 3: ML23023A143 **via email* **NRR-106**

OFFICE	NRR/DNRL/NRLB: PM	NRR/DNRL/NRLB: LA	NRR/DNRL/NRLB: PM
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DATE	02/07/2023		

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