
GEH BWRX-300 Safety Strategy
Draft Licensing Topical Report
NRC Readiness Assessment Closeout Meeting

February 28, 2024

Agenda

Time	Topic	Speaker
1:00 PM	Introduction and Meeting Purpose	NRC and GEH
1:10 PM	Overview of the NRC Staff's Readiness Assessment of the BWRX-300 Safety Strategy Draft Topical Report and Summary of NRC Staff Observations	NRC
1:25 PM	Questions	All
1:35 PM	Closed Session – Discussion of Detailed Staff Observations (GEH Proprietary Information)	NRC and GEH
3:30 PM	Adjourn	

Background

- GEH developed the safety strategy to systematically incorporate defense-in-depth into their safety design basis using a defense line architecture based on selected guidance from the International Atomic Energy Agency (IAEA) and to determine the safety classification of Structures, Systems, and Components (SSCs).
- GEH began engaging with the NRC staff on this approach in June 2022
 - June 29, 2022, public meeting (ML22215A081)
 - August 5, 2022, non-public “Page Turn” meeting with subsequent feedback (ML22263A294)
 - “BWRX-300 Safety Strategy” white paper submitted on December 7, 2022 (ML22341A058)
 - December 14, 2022, public meeting - NRC feedback on the white paper (ML23023A142)
 - Pre-submittal meetings with GEH held on March 8 and April 5, 2023. The NRC staff’s feedback is summarized in the meeting summary available at ADAMS Accession No. ML23087A077.
- Licensing Topical Report (LTR) Readiness Assessment opened on July 26, 2023.

Readiness Assessment Purpose and Summary

- **Purpose of the Readiness Assessment:** to identify any significant information gaps or significant technical or regulatory issues that could challenge the acceptance or review of the submittal.
 - Not an acceptance review.
- LTR “Draft Revision A” (GEH Proprietary and Preliminary) was shared with the NRC staff via electronic reading room (eRR).
- Preliminary Feedback meeting held on October 2, 2023 (Meeting Summary: ML23355A229)
 - Staff’s preliminary observations provided and discussed with GEH
- Readiness assessment review was paused while GEH made significant revisions to the LTR
- “Draft Revision 0” and responses to the preliminary observations shared via the eRR on January 15, 2024.
- Additional Readiness Assessment Meetings with GEH and NRC staff (non-public) held on December 19 and February 8-9.

Summary of NRC Staff Observations

The NRC staff's observations grouped into three categories:

- Scope and Purpose of the LTR
- Specific topics where the detailed review of the LTR will likely need to consider additional information, clarification, or basis for the safety strategy to address specific regulatory requirements
- Areas that may require additional information as part of the detailed LTR review or during review of licensing applications applying the LTR

Questions?

Thank you for attending.