



HITACHI

GE Hitachi Nuclear Energy

Jerald G. Head

Senior Vice President, Regulatory Affairs

3901 Castle Hayne Road
P.O. Box 780 M/C A-18
Wilmington, NC 28402
USA

T 910 819 5692
M 910 362-5692
gerald.head@ge.com

MFN-16-065, Supplement 2

Docket Number: 52-045

December 13, 2016

US Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Subject: GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Updated Review of Unresolved Safety Issues (USI), Generic Safety Issues (GSI), Generic Letters (GL), NRC Bulletins and Operating Experience – Supplement 2

In Reference 1, GE Hitachi Nuclear Energy (GEH) requested renewal of the ABWR standard plant design certification (10 CFR Part 52, Appendix A) and requested approval of an accompanying amendment to the ABWR Design Control Document (DCD) Revision 5, Tier 1 and Tier 2. GEH prepared the additional Information required by Draft NRC Review Guidelines for ABWR Certification Renewal when the application for ABWR certification renewal was submitted (see Reference 1 - ADAMS Accession No. ML110040176; MFN 10-342, Enclosure 1). In Reference 2, GEH transmitted to the NRC ABWR DCD Revision 6, Tier 1 and Tier 2 for use in GEH's ABWR Design Certification Renewal Application.

References 3 and 4 transmitted an updated review of USIs, GSIs, GLs, NRC Bulletins and Operating Experience which covers the period from December 2010 until the present.

GEH determined that it should provide an explanation for the approach taken for each of the recent generic communications items being added to Table 1.8-22, as presented in Reference 4. Enclosure 1 contains an update to a portion of the GEH response in Reference 4 to inform the NRC review of these items, but which is not added to the table in the DCD. Enclosure 2 contains the ABWR DCD Revision 6 markups based on the supplemental information contained in Enclosure 1.

If you have any questions concerning this letter, please contact Patricia Campbell at 202-637-4239.

Sincerely,



Jerald G. Head
Senior Vice President, Regulatory Affairs

Commitments:

References:

1. Letter from R.E. Kingston, GEH to USNRC, Subject: ABWR Standard Plant Design Certification Renewal Application Design Control Document, Revision 5, Tier 1 and Tier 2, December 7, 2010.
2. Letter from J. G. Head, GEH to USNRC, Subject: ABWR Standard Plant Design Certification Renewal Application Design Control Document, Revision 6, Tier 1 and Tier 2, February 19, 2016.
3. Letter from J. G. Head, GEH to USNRC, Subject: GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Updated Review of Unresolved Safety Issues (USI), Generic Safety Issues (GSI), Generic Letters (GL), NRC Bulletins and Operating Experience, August 31, 2016.
4. Letter from J. G. Head, GEH to USNRC, Subject: GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Updated Review of Unresolved Safety Issues (USI), Generic Safety Issues (GSI), Generic Letters (GL), NRC Bulletins and Operating Experience – Supplement 1, November 17, 2016.

Enclosures:

1. GEH Supplemental Information for the Updated Review of USIs, GSIs, GLs, NRC Bulletins and Operating Experience
2. GEH Supplemental Information – ABWR DCD Revision 6 Markups

cc: Adrian Muniz, NRC
DBR-0021685