



# HITACHI

## GE Hitachi Nuclear Energy

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MFN 16-065, Supplement 1

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US Nuclear Regulatory Commission  
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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 1**

Reference:

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

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.

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

During a GEH/NRC public teleconference held on 9/22/2016 to review Reference 3, the NRC requested additional supplemental information to GEH's response. Enclosure 1 contains GEH's response to the NRC's request for this additional information and Enclosure 2 contains the ABWR DCD Revision 6 markups because of the NRC's request for additional supplemental information.

If you have any questions concerning this letter, please contact Hugh Upton at 408-314-8499.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerald Head", written in a cursive style.

Jerald G. Head  
Senior Vice President, Regulatory Affairs

Commitments: No additional commitments are made in the responses.

Enclosures:

- (1) GEH's Response to NRC's Request for Supplemental Information covering the Updated Review of USIs, GSIs, GLs, NRC Bulletins and Operating Experience
- (2) GEH's Response to NRC's Request for Supplemental Information covering the Updated Review of USIs, GSIs, GLs, NRC Bulletins and Operating Experience – ABWR DCD Revision 6 Markups

cc: Adrian Muniz, NRC  
DBR – 0021685