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GE Hitachi Nuclear Energy

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Proprietary and Security Information Notice

This letter transmits proprietary and security-related information in accordance with 10 CFR 2.390. Upon the removal of **Enclosure 4**, the balance of the letter may be considered non-proprietary/public.

M170049

Docket Number: 52-045

February 28, 2017

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 – ABWR DCD Changes for Aircraft Impact Assessment (AIA) - Key Design Features (Revision 3)**

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. In Reference 2, GEH transmitted to the NRC ABWR DCD Revision 6, Tier 1 and Tier 2, for use in the ABWR Design Certification Renewal Application.

References 3, 4, and 5 transmitted changes to the ABWR DCD, including a technical report that is incorporated by reference into the DCD. In this submittal, Enclosure 1 provides the GEH response to NRC feedback discussed in a closed teleconference held January 19, 2017. Enclosure 2 provides revised DCD markups that will be incorporated in DCD Revision 7. Enclosure 3 is NEDO-33875 (public), and Enclosure 4 is NEDE-33875P (proprietary and security-related version). Please note that, for the technical report versions, the public version revision number is brought up to the same revision number as the proprietary and security-related version of the technical report to ensure clarity (i.e., both are Revision 3).

If you have any questions, please contact me or Patricia Campbell (202-637-4239).

Sincerely,

Jerald G. Head
Senior Vice President, Regulatory Affairs

Commitments: No additional 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. MFN 16-027, GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – ABWR DCD Changes for Aircraft Impact Assessment (AIA) - Key Design Features, September 2, 2016.
4. MFN 16-027, GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – ABWR DCD Changes for Aircraft Impact Assessment (AIA) - Key Design Features (Revision 1), September 14, 2016.
5. MFN 16-027, GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – ABWR DCD Changes for Aircraft Impact Assessment (AIA) - Key Design Features (Revision 2), November 23, 2016.

Enclosures:

1. Enclosure 1 - Response to NRC Feedback
2. Enclosure 2 - Revised ABWR DCD Revision 6/Draft Revision 7 Markups
3. Enclosure 3 - Technical Report NEDO-33875, Revision 3 (Public)
4. Enclosure 4 - Technical Report NEDE-33875P, Revision 3 (Proprietary and Security-Related)

cc: Adrian Muniz, NRC
DBR- 0018986