



# HITACHI

## GE Hitachi Nuclear Energy

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MFN 16-001, Revision 1, Supplement 1

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U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Subject: **GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Redesign of ABWR Containment Overpressure Protection System (COPS) Pipe Diameter – Revision 1, 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: GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Redesign of ABWR Containment Overpressure Protection System (COPS) Pipe Diameter, January 9 2016.
3. Letter from J. G. Head GEH to USNRC, Subject: GE-Hitachi Nuclear Energy Advanced Boiling Water Reactor Design Certification Rule Renewal Application – Redesign of ABWR Containment Overpressure Protection System (COPS) Pipe Diameter – Revision 1, February 19, 2016.

GEH reviewed with the NRC in a public teleconference, the redesign of ABWR Containment Overpressure Protection System (COPS) pipe diameter (Reference 2). During the teleconference, the NRC Staff requested additional supplemental information on the COPS redesign, as well as identifying possible typographical errors to equations in Reference 2. Reference 3 responded to the Staff's request for supplemental information, providing editorial corrections to identified equations and more thoroughly addressed the effects of the redesign of COPS on the ABWR DCD Revision 5, which was transmitted in Reference 1.

In a GEH/NRC public teleconference on April 6, 2016, the Staff's PRA team reviewed additional GEH information provided to supplement Reference 3 and requested GEH provide a letter with an updated listing of analyses which were reviewed for the COPS change in the sizes of the

discharge pipe and rupture disk. That updated listing of analyses which were reviewed for the COPS design change, requested by the Staff, is provided in Enclosure 1.

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

I declare under penalty of perjury that the foregoing information is true and correct to the best of my knowledge, information, and belief.

Sincerely,

A handwritten signature in black ink that reads "Jerald Head". The signature is written in a cursive, slightly slanted style.

Jerald G. Head  
Senior Vice President, Regulatory Affairs

Commitments: No additional commitments are made in the responses.

Enclosures:

1. GEH Response to NRC's Request for Supplemental Information on ABWR COPS Redesign.

cc: Adrian Muniz, NRC  
David Sledzik, GEH  
Peter Yandow, GEH  
Patricia Campbell, GEH  
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