



# HITACHI

## GE Hitachi Nuclear Energy

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### Proprietary Notice

This letter forwards proprietary information in accordance with 10CFR2.390. Upon the removal of Enclosures 1 and 2, the balance of this letter may be considered non-proprietary.

MFN 12-043, Revision 1

Docket number: 05200010

February 7, 2013

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

**Subject: NRC Requests for Additional Information Related to the Audit of the Economic Simplified Boiling Water Reactor (ESBWR) Steam Dryer Design Methodology Supporting Chapter 3 of the ESBWR Design Control Document – Final Response for RAI 3.9-269**

### References:

1. MFN 12-037, Letter from USNRC to Jerald G. Head, GEH, Subject: Request for Additional Information Letter No. 414 related to ESBWR Design Certification Application (DCD) Revision 9, received May 1, 2012.
2. MFN 12-043, Letter from GEH to USNRC, Subject: NRC Requests for Additional Information Related to the Audit of the Economic Simplified Boiling Water Reactor (ESBWR) Steam Dryer Design Methodology Supporting Chapter 3 of the ESBWR Design Control Document – Draft Response for RAIs 3.9-269 and 3.9-270, dated September 27, 2012.

In regard to the Requests for Additional Information (RAIs) transmitted in your May 1, 2012 Letter, Reference 1, to support the NRC ESBWR Steam Dryer Methodology Audit conducted March 21 – 23, 2012, Docket 05200010, please find attached GEH's final response for RAI 3.9-269, which revises the draft response provided in Reference 2.

Enclosures 1 and 2 contain proprietary information. The proprietary information is contained within brackets [[ ]] and is designated in red font with dotted underline to

assist in identification. This RAI contains proprietary information identified by GE Hitachi Nuclear Energy, Americas LLC, and should be protected accordingly.

Enclosure 1 contains the final response (proprietary version). Enclosure 2 is a revised ESBWR steam dryer report, NEDC-33408P (proprietary version). Enclosure 3 is a duplicate of Enclosure 1 with the proprietary information redacted, and is acceptable for public release. Enclosure 4 is a duplicate of Enclosure 2 with the proprietary information redacted, and is also acceptable for public release. Enclosure 5 is a set of marked-up pages showing changes to the ESBWR Design Control Document and is acceptable for public release. Enclosure 6 provides an affidavit which sets forth the basis for requesting that Enclosures 1 and 2 be withheld from the public.

If you have any questions concerning this letter, please contact Peter Yandow at 910-819-6378.

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

Sincerely,



Jerald G. Head  
Senior Vice President, Regulatory Affairs

Commitments: No commitments are made.

Enclosures:

1. Final Response to RAI 3.9-269 – Proprietary Version
2. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer – Plant Based Load Evaluation Methodology, PBLE01 Model Description,” NEDC-33408P, Revision 2, Class III (Proprietary), February 2013 – Proprietary Version
3. Final Response to RAI 3.9-269 – Public Version
4. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer – Plant Based Load Evaluation Methodology, PBLE01 Model Description,” NEDO-33408, Revision 2, Class I (Non-Proprietary), February 2013 – Public Version
5. ESBWR Design Control Document Marked-Up Pages
6. Affidavit for MFN 12-043, Revision 1

cc: David Misenhimer, NRC  
Glen Watford, GEH  
Peter Yandow, GEH  
Patricia Campbell, GEH  
Mark Colby, GEH  
Scott Bowman, GEH  
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