



HITACHI

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Proprietary Notice

This letter forwards proprietary information in accordance with 10CFR2.390. Upon the removal of Enclosures 1 through 4, inclusive, the balance of this letter may be considered non-proprietary.

MFN 13-091

Docket number: 05200010

December 6, 2013

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

Subject: NRC Request for Additional Information Letter Number 417 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 – GEH Response for RAIs 3.9-299 through 3.9-303

Reference:

1. Letter from USNRC to Jerald G. Head, GEH, Subject: Request for Additional Information Letter No. 417 Related to ESBWR Design Certification Application (DCD) Revision 9, November 13, 2013 (ML13316B229); including Enclosure 1 (ML13316B654)

In regard to the Requests for Additional Information (RAIs) transmitted in Enclosure 1 of your November 13, 2013 letter (Reference 1) to support the NRC ESBWR Steam Dryer Methodology Audit conducted March 21 – 23, 2012, Docket 05200010, please find attached the final responses for RAIs 3.9-299 through 3.9-303.

Enclosure 1 contains the complete responses (proprietary version). Enclosure 2 is a revised ESBWR steam dryer report, NEDE-33312P (proprietary version). Enclosure 3 is a revised ESBWR steam dryer report, NEDE-33313P (proprietary version). Enclosure 4 is a revised ESBWR steam dryer report, NEDE-33408P (proprietary version).

Enclosure 5 is a duplicate of Enclosure 1 with the proprietary information redacted, and is acceptable for public release. Likewise, Enclosure 6 is a duplicate of Enclosure 2, Enclosure 7 is a duplicate of Enclosure 3, and Enclosure 8 is a duplicate of Enclosure 4, all with the proprietary information redacted accordingly. Enclosure 9 is a set of marked-up pages showing changes to the ESBWR Design Control Document and is also acceptable for public release.

DOB
NRO

Enclosure 10 provides an affidavit which sets forth the basis for requesting that Enclosures 1 through 4, inclusive, be withheld from the public.

Enclosures 1 through 4 contain proprietary information. The proprietary information is contained within brackets [[]] and is designated in red font with dotted underline to assist in identification. The proprietary information, as identified by GE Hitachi Nuclear Energy, Americas LLC, should be protected accordingly.

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,

A handwritten signature in black ink that reads "Jerald G. Head". The signature is written in a cursive style with a large initial "J" and "H".

Jerald G. Head
Senior Vice President, Regulatory Affairs

Commitments: No additional commitments are made in this response.

Enclosures:

1. GEH Response for RAIs 3.9-299 through 3.9-303 – Proprietary Version
2. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer Acoustic Load Definition,” NEDE-33312P, Rev. 5, Class III (Proprietary), December 2013 – Proprietary Version
3. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer Structural Evaluation,” NEDE-33313P, Rev. 5, Class III (Proprietary), December 2013 – Proprietary Version
4. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer – Plant Based Load Evaluation Methodology – PBLE01 Model Description,” NEDE-33408P, Rev. 5, Class III (Proprietary), December 2013 – Proprietary Version
5. GEH Response for RAIs 3.9-299 through 3.9-303 – Public Version
6. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer Acoustic Load Definition,” NEDE-33312P, Rev. 5, Class I (Non-Proprietary), December 2013 – Public Version
7. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer Structural Evaluation,” NEDE-33313P, Rev. 5, Class I (Non-Proprietary), December 2013 – Public Version
8. GE Hitachi Nuclear Energy, “ESBWR Steam Dryer – Plant Based Load Evaluation Methodology – PBLE01 Model Description,” NEDE-33408P, Rev. 5, Class I (Non-Proprietary), December 2013 – Public Version
9. ESBWR Design Control Document Marked-Up Pages – Public Information
10. Affidavit for MFN 13-091

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