

Safeguards Information



HITACHI

GE Hitachi Nuclear Energy

Richard E. Kingston
Vice President, ESBWR Licensing

PO Box 780 M/C A-55
Wilmington, NC 28402-0780
USA

T 910 675 6192
F 910 362 6192
rick.kingston@ge.com

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Docket No. 52-010

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

Subject: **Response to NRC Requests for Additional Information Letter Nos. 171, 195 and 196 Related to NEDE-33390, "ESBWR Interim Compensatory Measures Assessment Report", NEDE-33391, "ESBWR Safeguards Assessment Report" and NEDE-33389, "ESBWR Security Enhancements Report" – RAI Numbers 13.6-4 S01 and 13.6-72 through 13.6-151 (With the exception of 13.6-98 and 13.6-120).**

Enclosure 1 contains the GE Hitachi Nuclear Energy (GEH) responses to the subject NRC RAIs originally transmitted via References 1, 2 and 3.

Enclosures 2, 3 and 4 contain markups of NEDE-33391P, "ESBWR Safeguards Assessment", NEDE-33390P, "ESBWR Interim Compensatory Measures Assessment Report" and 26A6642AD, "ESBWR Design Control Document" respectively, in support of the RAI responses in Enclosure 1.

Enclosures 1, 2 and 3 contain Safeguards Information.

Enclosure 4 contains Security-Related Information identified by the designation "~~Contains Security-Related Information – Withhold Under 10 CFR 2.390.~~". GEH requests this information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390.

NOTICE: Document transmitted herewith contains sensitive unclassified information. When separated from the enclosures this cover letter is "DECONTROLLED."

Safeguards Information
Decontrolled when detached from Enclosures 1, 2 and 3

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If you have any questions or require additional information, please contact me.

Sincerely,



Richard E. Kingston
Vice President, ESBWR Licensing

References:

1. MFN 08-400, Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, GEH, *Request For Additional Information Letter No. 171, Related to NEDE-33391P, Revision 0, "ESBWR Safeguards Assessment"*, dated April 18, 2008.
2. Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, GEH, *Request For Additional Information Letter No. 195 Related to NEDE-33391P, "ESBWR Safeguards Assessment"*, dated May 14, 2008.
3. MFN 08-478, Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, GEH, *Request For Additional Information Letter No. 196 Related to NEDE-33389P, "ESBWR Security Enhancements Report" and NEDE-33390P, "ESBWR Interim Compensatory Measures Assessment Report"*, dated May 13, 2008.

Enclosures:

1. Response to NRC Request for Additional Information Letters No. 171, 195 and 196 Related to ESBWR Design Certification Application – RAI Numbers 13.6-4 Supplement 1 and 13.6-72 through 13.6-151.
2. ESBWR Safeguards Assessment Report (NEDE-33391) - Mark-up pages per RAI responses.
3. ESBWR Interim Compensatory Measures Assessment Report (NEDE-33390) - Mark-up pages per RAI responses.
4. ESBWR DCD (26A6642BL) - Mark-up pages per RAI responses.

cc: AE Cabbage USNRC (w/o enclosures)
RE Brown GEH/Wilmington (w/o enclosures)
DH Hinds GEH/Wilmington (w/o enclosures)
eDRF 0000-0090-8970

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