



**HITACHI**

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U.S. Nuclear Regulatory Commission  
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Subject: **Response to Portion of NRC Request for Additional  
Information Letter No. 264 Related to ESBWR Design  
Certification Application ESBWR RAI Number 22.5-5 S02**

The purpose of this letter is to submit the GE Hitachi Nuclear Energy (GEH) response to the U.S. Nuclear Regulatory Commission (NRC) Request for Additional Information (RAI) (Reference 1). The previous RAIs and responses are in References 2 through 5. The GEH response to RAI Number 22.5-5 S02 is in Enclosure 1.

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

Sincerely,

Richard E. Kingston  
Vice President, ESBWR Licensing

1. MFN 08-810. Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, *Request For Additional Information Letter No. 264 Related To ESBWR Design Certification Application*, October 6, 2008.
2. MFN 08-477, Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, GEH, *Request For Additional Information Letter No. 194 Related To ESBWR Design Certification Application*, dated May 13, 2008.
3. MFN 08-366,S01, *Response to Portion of NRC Request for Additional Information Letter No. 194 Related to ESBWR Design Certification Application ESBWR RAI Numbers 22.5-5 S01, 22.5-9 S01, dated August 26, 2008*
4. MFN 07-357. Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, *Request For Additional Information Letter No. 101 Related To ESBWR Design Certification Application*, June 21, 2007.
5. MFN 08-336, *Response to Portion of NRC Request for Additional Information Letter No. 101 Related to ESBWR Design Certification Application, RAI Numbers 22.5-5 & 22.5-9, dated April 17, 2008.*

Enclosure:

1. Response to Portion of NRC Request for Additional Information Letter No. 264 Related to ESBWR Design Certification Application Regulatory Treatment of Non-Safety Systems (RTNSS) RAI Number 22.5-5 S02

Attachment to Enclosure 1: DCD Revision 6 Markups

cc: AE Cubbage USNRC (with enclosure)  
RE Brown GEH/Wilmington (with enclosure)  
DH Hinds GEH/Wilmington (with enclosure)  
RM Wachowiak GEH/Wilmington (with enclosure)  
eDRF Section 0000-0095-9703