



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 910 819 6192
F 910 362 6192
rick.kingston@ge.com

MFN 08-880

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

Subject: **Response to Portion of NRC Request for Additional Information
Letter No. 229 - Related To Design Control Document (DCD)
Revision 5 – RAI Number 4.4-88**

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) sent by the Reference 1 NRC letter. GEH response to RAI Number 4.4-88 is addressed in Enclosure 1.

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

Sincerely,

Richard E. Kingston
Vice President, ESBWR Licensing

DD68
NRD

Reference:

1. MFN 08-611, Letter from U.S. Nuclear Regulatory Commission to Robert E. Brown, *Request For Additional Information Letter No. 229 Related To Design Control Document (DCD) Revision 5*, dated July 30, 2008.

Enclosure:

1. MFN 08-880 – Response to Portion of NRC Request for Additional Information Letter No. 229 - Related To Design Control Document (DCD) Revision 5 – RAI Number 4.4-88.

cc: AE Cubbage	USNRC (with enclosure)
RE Brown	GEH/Wilmington (with enclosure)
DH Hinds	GEH/Wilmington (with enclosure)
eDRF	0000-0092-3347

Enclosure 1

MFN 08-880

**Response to Portion of NRC Request for
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NRC RAI 4.4-88

Provide alarm and trip indication in Figure 4.4-1

In DCD Revision 5, Tier 2, Figure 4.4-1, "Typical ESBWR Power-Feedwater Operating Domain", please indicate the alarms, control system actions, and trips. This request is essentially the same as RAI 4.3-17 in Request for Additional Information Letter No. 208 related to NEDE-33338P, "ESBWR FEEDWATER TEMPERATURE OPERATING DOMAIN FOR TRANSIENT AND ACCIDENT ANALYSIS"

GEH Response

As the RAI text mentions, this RAI is essentially the same as RAI 4.3-17. Please refer to the GEH response to RAI 4.3-17 (MFN 08-869 dated November 6, 2008). A new Figure 15.2-17 indicating the alarms, control system actions and trips/scrams is included in the DCD markup for RAI 4.3-17.

DCD Impact

No DCD change will be made in response to this RAI.