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MFN 07-441

Docket No. 52-010

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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. 96 Related to ESBWR Design Certification Application,
ECCS, RAIs 14.3-147 and 14.3-148**

Enclosure 1 contains GEH's response to the subject NRC RAI transmitted via the
Reference 1 letter.

If you have any questions or require additional information regarding the information
provided here, please contact me.

Sincerely,



James C. Kinsey
Project Manager, ESBWR Licensing

DO68

NRC

Reference:

1. MFN 07-231, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 96 Related to ESBWR Design Certification Application*, April 12, 2007

Enclosure:

1. MFN 07-441, Response to a Portion of NRC Request for Additional Information Letter No. 96, Related to ESBWR Design Certification Application, ECCS, RAI Numbers 14.3-147 and 14.3-148

cc: AE Cubbage USNRC (with enclosures)
DH Hinds GEH (with enclosures)
RE Brown GEH (w/o enclosures)
eDRF 0000-0071-7621

ENCLOSURE 1

MFN 07-441

**Response to a Portion of NRC Request for,
Additional Information Letter No. 96,
Related to ESBWR Design Certification Application,
ECCS
RAI Numbers 14.3-147 and 14.3-148**

NRC RAI 14.3-147

Proposed revision to ITAAC regarding GDCS pool level elevations. In DCD Tier 1, Revision 3, Table 2.4.2-1, for the proposed ITAAC numbers 16, 17, and 19, inspections of the gravity driven cooling system (GDCS) pool level elevations are required rather than analysis only. Please revise the middle column to include inspection.

Response to RAI 14.3-147

This item has been addressed in a previous RAI response. Please refer to Enclosure 1 of MFN 06-241 Supplement 2 "Response to Portion of NRC Request for Additional Information Letter No. 34 - Emergency Core Cooling Systems - RAI Numbers 6.3-18 S01 through 6.3-25 S01", for the changes made to the DCD.

DCD Impact:

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

NRC RAI 14.3-148

Proposed revision to ITAAC regarding minimum equalization driving head. In DCD Tier 1, Revision 3, Table 2.4.2-1, for the proposed ITAAC number 19, revise the Design Commitment as follows: "The minimum equalizing driving head from the suppression pool to the RPV is 1 meter (3.28 ft)."

Response to RAI 14.3-148

This item has been addressed in a previous RAI response. Please refer to Enclosure 1 of MFN 06-241 Supplement 2, "Response to Portion of NRC Request for Additional Information Letter No. 34 - Emergency Core Cooling Systems - RAI Numbers 6.3-18 S01 through 6.3-25 S01", for the changes made to the DCD.

DCD Impact:

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