



GE Energy

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MFN 07-206

Docket No. 52-010

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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. 93 Related to ESBWR Design Certification Application –
Gravity Driven Cooling System – RAI Number 14.3-132**

Enclosure 1 contains GE'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,

A handwritten signature in cursive script that reads "Kathy Sedney for".

James C. Kinsey
Project Manager, ESBWR Licensing

Reference:

1. MFN 07-106, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 93 Related to ESBWR Design Certification Application*, January 31, 2007

Enclosure:

1. MFN 07-206 – Response to Portion of NRC Request for Additional Information Letter No. 93 Related to ESBWR Design Certification Application – Gravity Driven Cooling System – RAI Number 14.3-132

cc: AE Cabbage USNRC (with enclosures)
DH Hinds GE (with enclosures)
RE Brown GE (w/o enclosures)
eDRF 0066-1712

Enclosure 1

MFN 07-206

**Response to Portion of NRC Request for
Additional Information Letter No. 93
Related to ESBWR Design Certification Application
Gravity Driven Cooling System
RAI Number 14.3-132**

NRC RAI 14.3-132

The staff requests that the applicant revise the DCD to correct the following discrepancy:

DCD Tier 1, Revision 2, Section 2.4.2 "Emergency Core Cooling System - Gravity Driven Cooling System [GDCS]" states that all piping and valves connecting the GDCS pools and S/P [suppression pool] to the biased-open check valve, and all piping and valves (including supports) connecting GDCS pool to lower Drywell shall be classified as Safety-Related and Quality Group B. DCD Tier 2, Revision 2 indicates that the aforementioned piping and components shall be classified as Safety-Related and Quality Group C. DCD Tier 1, Revision 2, Figure 2.4.2-1 Gravity-Driven Cooling System and DCD Tier 2, Revision 2, Figure 6.3-1 GDCS Configuration indicate that the piping and components in the GDCS, discussed above, are Quality Group C.

GE Response

Both Tier 1, Figure 2.4.2-1 and Tier 2, Figure 6.3-1 have been updated in DCD Rev. 3 to reflect Quality Group B designation for all piping and valves connecting the GDCS pools and S/P to the GDCS check valve and all piping and valves connecting the GDCS pool to the lower Drywell.

DCD Impact

No additional DCD changes will be made in response to this RAI.