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MFN 06-216, Supplement 2, Revision 1

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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. 34 Related to ESBWR Design Certification Application - Auxiliary Systems - Revision to RAI Number 9.3-18 S01**

Enclosure 1 contains GEH's revised response to the subject RAI transmitted via Reference 1 to revise the RAI response transmitted via Reference 2 to a supplemental request to the RAIs transmitted via Reference 3. The original RAI response was submitted to the NRC via Reference 4. This Revision has been prepared to update the Table reference due to the changes in DCD Tier 1, Revision 4.

Should you have any questions about the information provided here, please contact me.

Sincerely,

James C. Kinsey
Vice President, ESBWR Licensing

DOB
NRO

References:

1. MFN 06-216, Supplement 2 – Response to Portion of NRC Request for Additional Information Letter No. 34 – RAI Numbers 9.3-16 S01 through 9.3-19 S01
2. E-mail dated March 11, 2007, from NRC to GE.
3. MFN 06-198, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 34 Related to the ESBWR Design Certification Application*, June 22, 2006.
4. MFN 06-216, Letter from GE to U.S. Nuclear Regulatory Commission, *Response to Portion of NRC Request for Additional Information Letter 34 Related to ESBWR Design Certification Application – Auxiliary Systems – RAI Numbers 9.3-3 through 9.3-10 and 9.3-12 through 23*, July 19, 2006.

Enclosure:

1. MFN 06-216, Supplement 2, Revision 1 Response to Portion of NRC Request for Additional Information Letter No. 34 Related to ESBWR Design Certification Application - Auxiliary Systems - Revision to RAI Number 9.3-18 S01

cc: AE Cabbage USNRC (with enclosure)
RE Brown GEH/Wilmington (with enclosure)
DH Hinds GEH/Wilmington (with enclosure)
GB Stramback GEH/San Jose (with enclosure)
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Enclosure 1

MFN 06-216, Supplement 2, Revision 1

Response to Portion of NRC Request for

Additional Information Letter No. 34

Related to ESBWR Design Certification Application

Auxiliary Systems

Revision to RAI Number 9.3-18 S01

For historical purposes, the original text of RAIs 9.3-18 and 9.3-18 S01 with the GEH responses are included. The DCD mark-up provided with the original response is not included.

NRC RAI 9.3-18

DCD Tier 1, ITAAC Description

Add a description of the Accumulator and the squib actuated valves.

GE Response

With regard to changes to Tier 1 content and level of detail, please see the response to RAI 9.3-16.

NRC RAI 9.3-18 S01

Please provide a supplemental response to address this specific RAI rather than referring indirectly to the response to RAI 14.3-1.

GEH Response

ITAAC item "11", regarding the SLC squib injection valves, is to be added to DCD Tier 1, Table 2.2.4-2 for Revision 4. ITAAC items "1" (basic configuration) and "2a" (injectable volume) cover the description for the SLC accumulators. No additional ITAAC items are needed for the SLC accumulators.

DCD Impact

DCD Tier 1, Table 2.2.4-2 is to be revised for Revision 4 as noted in the attached markup.

GEH Response to Revision to NRC RAI 9.3-18 S01

Note: This response is being revised to be consistent with the changes to DCD Tier 1, Revision 4.

DCD Tier 1 contains the requested items. Item "1" of DCD Tier 1, Table 2.2.4-6, covers the accumulator ITAAC description. Item "21" of DCD Tier 1, Table 2.2.4-6, covers the squib-actuated valves ITAAC description.

DCD Impact

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