



GE Energy

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MFN 07-070

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. 68 – Standby Liquid Control System - RAI Number 6.3-60**

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

D068

References:

1. MFN 06-379, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 68 Related to ESBWR Design Certification Application*, October 10, 2006

Enclosure:

1. MFN 07-070 – Response to Portion of NRC Request for Additional Information Letter No. 68 – Related to ESBWR Design Certification Application – Standby Liquid Control System – RAI Number 6.3 -60

cc: AE Cabbage USNRC (with enclosures)
GB Stramback GE/San Jose (with enclosures)
BE Brown GE/Wilmington (with enclosures)
eDRF 0062-0634

Enclosure 1

MFN 07-070

**Response to Portion of NRC Request for
Additional Information Letter No. 68
Related to ESBWR Design Certification Application**

Standby Liquid Control System

RAI Number 6.3-60

NRC RAI 6.3-60:

DCD Tier 2, Revision 1, Table 9.3-5 gives the minimum volume of the standby liquid control system (SLCS) tanks. Provide the maximum volume of SLC inventory that will be injected, so the staff can evaluate the possibility of boron precipitation.

GE Response:

The maximum volume of Standby Liquid Control System (SLCS) inventory that will be injected is 16.62 m³ (8.31 m³ per loop). This is based on closure of the SLCS injection line shut-off valves at the accumulator low-level setpoint.

DCD Impact:

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