



GE Energy

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MFN 06-417  
Supplement 1

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. 62 – Auxiliary Systems – RAI Number 9.2-6 S01–  
Supplement 1**

Enclosure 1 contains GE's response to the subject NRC RAI transmitted via Reference 1 which is a supplemental request to the RAI transmitted via Reference 2. The original RAI response was submitted to the NRC in Reference 3.

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

Sincerely,

*Kathy Sedney for*

James C. Kinsey  
Project Manager, ESBWR Licensing

*DCG*

Reference:

1. E-mail request from L. Quinones (NRC) to F. White (GE) dated March 20, 2007. Subject: Supplement RAI request for 9.2-6.
2. MFN 06-380, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 62 Related to the ESBWR Design Certification Application*, September 29, 2006.
3. MFN 06-417, Letter from David Hinds to the U.S. Nuclear Regulatory Commission, *Partial Response to NRC Request for Additional Information Letter No. 62 Related to ESBWR Design Certification Application – Reactor Component Cooling Water and Plant Service Water Systems - RAI Numbers 9.2-6, -8, -9, -11 and 9.2-13, December 1, 2006.*

Enclosure:

1. MFN 06-417 Supplement 1– Response to Portion of NRC Request for Additional Information Letter No. 62 – RAI Number 9.2-6 S01 Supplement 1

cc: AE Cabbage USNRC (with enclosure)  
BE Brown GE/Wilmington (with enclosure)  
LE Fennern GE/Wilmington (with enclosure)  
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**Enclosure 1**

**MFN 06-417  
Supplement 1**

**Response to Portion of NRC Request for  
Additional Information Letter No. 62  
Related to ESBWR Design Certification**

**Reactor Component Cooling Water System  
Plant Service Water System**

**RAI Number 9.2-6 S01**

**NRC RAI 9.2-6 S01**

*The staff has determined that supplementary information is required to complete its review of ESBWR design control document (DCD) Tier 2, Section 9.2. Please provide a supplementary RAI response for the following question: Reference: GE response to RAI letter 62 MFN -06-417 dated December 1, 2006*

**RAI 9.2-6:**

*The RAI requested the applicant to include system drawings (P&IDs) for the Plant Service Water System (PSWS) and Reactor Component Cooling Water System (RCCWS) in the DCD showing system function, major equipment, components, piping classes, instrumentation, and interface systems. In its response dated 12/1/2006 (MFN-06-417), GE did not provide P&IDs for the PSWS and RCCWS in the DCD. The level of detail in ESBWR DCD Tier 2 Figures 9.2-1 and 9.2-2 are not consistent with that in the DCDs of AP1000 and ABWR. Further the PSWS and RCCWS were recently scoped into regulatory treatment of non-safety systems (RTNSS). Due to the importance of these systems, drawings of equivalent detail to drawing No.105E3890 (RCCWS) and No.105E3893 (PSW) in GE letter MFN 05-164 dated December 12, 2005 should be added to the DCD to supplement or replace existing Figures 9.2-1 and 9.2-2.*

**GE Response**

For the ESBWR project, GE considers Process and Instrumentation Drawings (P&IDs) to be proprietary information pursuant to the provisions of 10 CFR 2.390 and 9.17. As such, P&IDs are not intended to be included in the DCD. This commercial policy is discussed in MFN 05-164 dated December 15, 2005, which forwarded proprietary versions of the P&IDs for the Plant Service Water System and Reactor Component Cooling Water System.

**DCD Impact**

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