



GE Energy

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U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

**Subject: General Electric Company - ESBWR Standard Plant Design –  
Revision 3 to Design Control Document – Tier 1 and Tier 2, Chapters  
1 through 18**

General Electric Company (GE) is pleased to submit Revision 3 to Design Control Document (DCD) Tier 1 and Tier 2, Chapters 1 through 18. As discussed with NRC staff, Revision 3 of Chapter 19 is scheduled for submittal on April 30, 2007. This DCD submittal satisfies GE's previously established project milestone, and directly supports the design certification schedule.

The two Enclosure CDs contain the electronic files of the DCD Revision 3.

- Enclosure 1 contains the Tier 1 and Tier 2 documents with "Security-Related Information" (protected under 10 CFR 2.390) included.
- Enclosure 2 contains the Tier 1 and Tier 2 documents with the "Security-Related Information" redacted (Public Version).

This DCD revision incorporates additional design and configuration changes that result in improved plant safety margins and operational flexibility, and addresses open technical issues previously identified by the NRC Staff. These open issues have primarily been identified in NRC Requests for Additional Information (RAI). This revision incorporates previously provided responses to a number of these RAI's. Furthermore, this DCD revision includes some RAI resolutions in advance of GE's docketed response. With NRC's agreement, the incorporation of these advanced resolutions makes Revision 3 as complete as possible in support of the NRC staff's ongoing review efforts. A summary

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report reflecting these advanced non-docketed RAI resolutions, along with our proposed issue closure plan, will be provided to the NRC staff by March 12, 2007.

GE remains focused on the prompt identification, resolution, and closure of NRC open issues associated with the ESBWR design certification. We are currently re-assessing our plans and schedule for responding to the remaining open RAI's and RAI supplemental requests. We will provide the results of this effort in an updated RAI response schedule by March 12, 2007. This schedule will include those RAI's or RAI Supplements received on or before January 31, 2007. Supplemental requests received after that date will be integrated into our ongoing RAI resolution plan, and response schedules will be communicated to the NRC staff. Also, GE will continue to work closely with the NRC Staff as they complete their technical reviews of RAI responses that we have previously provided.

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

I declare under penalty of perjury that the foregoing is true and correct.

Executed on the 22<sup>nd</sup> day of February 2007

  
George B. Stramback  
General Electric Company

Enclosures:

1. CD – ESBWR DCD, Revision 3, Tier 1 and Tier 2 w/Security-Related Information
2. CD – ESBWR DCD, Revision 3, Tier 1 and Tier 2 w/o Security-Related Information (Public Version)

cc: RE Brown GE/ Wilmington (w/o enclosures)  
PL Campbell GE/ Washington (w/o enclosures)  
AE Cabbage USNRC (w/ enclosures)  
SA Hucik GE/ Wilmington (w/o enclosures)  
JC Kinsey GE/ Wilmington (w/o enclosures)  
JF Klapproth GE/ Wilmington (w/o enclosures)  
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