



HITACHI

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Security Notice

This letter forwards Security-Related information in accordance with 10CFR2.390. Upon removal of Enclosure 1, the balance of this letter may be considered non-Security-Related.

MFN 08-487
June 1, 2008

Docket No. 52-010

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

Subject: **GE Hitachi Nuclear Energy - ESBWR Standard Plant Design – Revision 5 to Design Control Document – Tier 1 and Tier 2**

GE Hitachi Nuclear Energy (GEH) is pleased to submit Revision 5 to Design Control Document (DCD) Tier 1 and Tier 2.

The two enclosed CDs contain the electronic files of Revision 5 of the DCD.

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

Enclosure 1 contains Security-Related information identified by the designation “{{{Security-Related Information - Withhold Under 10 CFR 2.390}}}:” GEH hereby requests this information be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390. A public version is contained in Enclosure 2.

As described in the Reference 1 letter, GEH has maintained an ongoing dialogue with the NRC Staff regarding the closure of previously identified open items and other updates to the DCD content during the development of Revision 5. In addition, the associated COL Applicants have provided input and insights to GEH regarding the changes incorporated in this revision. This input process was established and maintained by GEH and related ESBWR applicants in order to continue to assure close linkage between the DCD and both the previously submitted and forthcoming COL applications referencing the ESBWR design.

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DCD Revision 5 includes the following primary scope, as outlined in Reference 1:

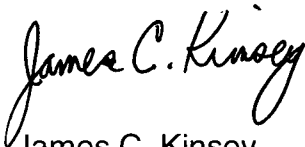
- Incorporation of responses to NRC Requests for Additional Information (RAIs)
- Updated descriptions of design information and design changes, including selected enhancements to plant and systems design
- Updated references to associated Licensing Topical Reports (LTRs)
- Miscellaneous updates that are intended to further support the development of the NRC Staff's conclusions related to the Safety Evaluation Report (SER)

This revision scope is reflected in the enclosed Document Change Lists in order to facilitate efficient Staff review and the timely closure of ESBWR design certification open items. In order to further support the Staff's timely review, a public meeting between GEH and members of the NRC Staff is being scheduled for mid-June, 2008. In this meeting, GEH intends to provide the Staff with a detailed briefing and description of specific DCD changes and updates.

It is intended that the information contained in this DCD revision will provide final resolution to the majority of the Staff's remaining open items. GEH does not plan future DCD revisions, other than those that may be necessary to reconcile the DCD content as the remaining NRC Open Items are resolved and the SER is finalized, and to incorporate any additional revisions that may result from further NRC interactions.

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

Sincerely,



James C. Kinsey
Vice President, ESBWR Licensing

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

Executed on the 1st day of June 2008.



Robert E. Brown
Senior Vice President, Regulatory Affairs
GE Hitachi Nuclear Energy Americas LL

Reference:

1. MFN 08-148, Letter from James C. Kinsey to U.S. Nuclear Regulatory Commission, *Update to the Integrated Plan and Schedule – ESBWR Design Certification Application, February 20, 2008*

Enclosures:

1. CD – ESBWR DCD, Revision 5, Tier 1 and Tier 2 w/Security-Related Information
2. CD – ESBWR DCD, Revision 5, Tier 1 and Tier 2 w/o Security-Related Information (Public Version)

cc:	AE Cubbage	USNRC (w/ enclosures)
	RE Brown	GEH/ Wilmington (w/o enclosures)
	DH Hinds	GEH/ Wilmington (w/o enclosures)
	JF Higgins	GEH/ Wilmington (w/o enclosures)
	SA Hucik	GEH/ Wilmington (w/o enclosures)
	PL Campbell	GEH/ Washington (w/o enclosures)
	JC Kinsey	GEH/ Wilmington (w/o enclosures)
	JF Klapproth	GEH/ Wilmington (w/o enclosures)
	DA Piepmeyer	GEH/ Wilmington (w/o enclosures)
	GB Stramback	GEH/San Jose (w/enclosures)
	JD Fuller	GEH/ Wilmington (w/o enclosures)

Enclosure 1

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**CD – ESBWR DCD, Revision 5, Tier 1 and Tier 2
w/Security-Related Information**

Security Related Information Notice

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Enclosure 2

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**CD – ESBWR DCD, Revision 5, Tier 1 and Tier 2 w/o
Security-Related Information (Public Version)**