

GE-Hitachi Nuclear Energy Americas LLC

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.

James C. Kinsey
Vice President, ESBWR Licensing

PO Box 780 M/C A-55
Wilmington, NC 28402-0780
USA

T 910 675 5057
F 910 362 5057
jim.kinsey@ge.com

MFN 07-514
September 28, 2007

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 4 to Design Control Document – Tier 1 and Tier 2**

GE-Hitachi Nuclear Energy Americas (GEH) is pleased to submit Revision 4 to Design Control Document (DCD) Tier 1 and Tier 2.

The two enclosed CDs contain the electronic files of Revision 4 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}}}.” GE 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, the primary focus of DCD Revision 4 is to provide a clear and consistent link between the DCD and the forthcoming COL applications. Therefore, the scope of DCD Revision 4 focuses primarily on the following:

- Consistency enhancements and updates of Tier 1, including Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)/Design Acceptance Criteria (DAC)
- Consistency reviews and additions/deletions of COL Action Items (e.g., resolution of RAI issues that address COL Action Items, elimination of certain COL items based on design work completion, elimination of certain COL items covered by ITAAC, etc.)
- Correction of known errors identified in DCD Revision 3


NCO

Reference:

1. MFN 07-265, Letter from James C. Kinsey to U.S. Nuclear Regulatory Commission, *Updated Integrated Plan and Schedule – ESBWR Design Certification Application*, June 1, 2007

Enclosures:

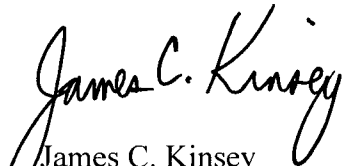
1. CD – ESBWR DCD, Revision 4, Tier 1 and Tier 2 w/Security-Related Information
2. CD – ESBWR DCD, Revision 4, Tier 1 and Tier 2 w/o Security-Related Information (Public Version)

cc: AE Cabbage USNRC (w/ enclosures)
RE Brown GEH/ Wilmington (w/o enclosures)
DH Hinds 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)
AC White GEH/ Wilmington (w/o enclosures)
eDRF 0000-0064-3200

In addition to the above scope, this revision incorporates the responses to a number of the NRC Staff Requests For Additional Information (RAI's). These incorporations, which are reflected in the enclosed document Change Lists, support the continued and timely closure of ESBWR design certification open issues.

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 28th day of September 2007



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