



HITACHI

GE Hitachi Nuclear Energy

Richard E. Kingston
Vice President, ESBWR Licensing

P.O. Box 780 M/C A-65
Wilmington, NC 28402-0780
USA

T 910.675.6192
F 910.362.6192
rick.kingston@ge.com

Security Notice

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

MFN 10-055

Docket No. 52-010

February 8, 2010

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

Subject: Transmittal of ESBWR Tier 2, Appendix 3G - DESIGN DETAILS AND EVALUATION RESULTS OF SEISMIC CATEGORY I STRUCTURES DCD Markups Related to GEH Internal Corrective Action

The purpose of this letter is to submit markups to the ESBWR DCD, Tier 2, Appendix 3G Figures, which are the result of a GEH internal Corrective Action.

It was discovered during GEH internal reviews, that during preparation of ESBWR DCD Revision 6, critical dimension in Figures 3G.6-3 to 3G.6-6, 3G.6-19 & 3G.6-20 were not updated to reflect the General Arrangement drawings revised per an Engineering Change Authorization that made some changes to the partition walls in the RB/FB structure. This transmittal letter closes out a GEH Internal Corrective Action Item. These minor Appendix 3G figure changes will be incorporated into DCD Revision 7.

The revised pages to Appendix 3G are contained in Enclosure 1.

Enclosure 1 contains security-related DCD markups associated with this response. The security-related information is 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. Enclosure 2 provides a public version of Enclosure 1 with security-related information redacted.

If you have any questions or require additional information, please contact me.

Sincerely,

Richard E. Kingston
Vice President, ESBWR Licensing

DO68
LRO

Enclosures:

1. Document Improvements and Specific Changes to DCD Related to ESBWR Design Certification Application DCD Tier 2, Appendix 3G - DESIGN DETAILS AND EVALUATION RESULTS OF SEISMIC CATEGORY I STRUCTURES – DCD Markups – Security - Related Information
2. Document Improvements and Specific Changes to DCD Related to ESBWR Design Certification Application DCD Tier 2, Appendix 3G - DESIGN DETAILS AND EVALUATION RESULTS OF SEISMIC CATEGORY I STRUCTURES – DCD Markups - Public Version

cc: AE Cubbage USNRC (with enclosures)
JG Head GEH/Wilmington (with enclosures)
DH Hinds GEH/Wilmington (with enclosures)
HA Upton GEH/San Jose (with enclosures)
eDRF Section 0000-0113-0332

Enclosure 2

MFN 10-055

**Document Improvements and Specific Changes to DCD
Related**

to ESBWR Design Certification Application

DCD Tier 2, Appendix 3G

**DESIGN DETAILS AND EVALUATION RESULTS OF SEISMIC
CATEGORY I STRUCTURES**

DCD Markups

Public Version

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

Figure 3G.6-3. RB Concrete Outline Plan at EL -1000

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

Figure 3G.6-4. RB Concrete Outline Plan at EL 4650

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

Figure 3G.6-5. RB Concrete Outline Plan at EL 9060

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

7
{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

Figure 3G.6-6. RB Concrete Outline Plan at EL 13570

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

Figure 3G.6-19. FB Concrete Outline Plan at EL -1000

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}

3G-433

Figure 3G.6-20. FB Concrete Outline Plan at EL 4650

{{{Security-Related Information - Withheld Under 10 CFR 2.390}}}