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Project 717

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Document Control Desk
Washington, D.C. 20555-0001

**Subject: GE Response to Results of NRC Acceptance Review for ESBWR
Design Certification Application (TAC # MC8168)**

In the Reference 1 letter, the NRC indicated that the staff would begin its review of the ESBWR Design Control Document (DCD), but that additional information was required in certain selected areas before the application could be formally docketed.

Subsequently, GE and the NRC held a series of review and feedback meetings addressing the ESBWR DCD, on September 27-29, 2005. During these meetings, the areas where the staff had additional information requests were discussed. GE was able to clarify where some of the information could be found within the DCD and in other areas identified proposed resolutions that could be submitted to augment the ESBWR application. In addition, GE conducted numerous conference calls with the NRC staff to ensure that the requests were fully understood and would be properly addressed.

As indicated by Reference 1, the ESBWR DCD was sufficiently complete to enable the NRC staff to begin its review of most of the DCD. Following submission of the DCD, a number of additional information submittals (References 2 through 13) were provided to address all of the NRC staff's requests. GE believes that these submittals address all of the Reference 1 requests, with the goal of providing sufficient detail to allow the staff to conclude that adequate information exists to formally docket the ESBWR application for final design approval and certification. A summary of the submittals is provided in Enclosure 1.

As discussed with the staff, GE will provide additional supporting documentation in selected areas with agreed upon schedules, to further supplement the review.

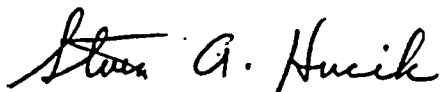
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As always, GE is committed to working closely with the NRC staff to ensure that the information submitted in the DCD and subsequent submittals is complete. We encourage frequent meetings and telephone conferences as the review proceeds.

Issuance of the Final Design Approval for the ESBWR is a very important milestone for the US utility industry and GE. Our team is fully committed to support the NRC review, and will address all requests for additional information in a timely and thorough manner.

If additional information becomes necessary to complete the review of this application, please contact David Hinds, ESBWR Engineering Manager, at 910-675-6363 or david.hinds@ge.com.

Sincerely,



Steven A. Hucik
General Manager, Nuclear Plant Projects

References:

1. MFN 05-103, Letter from U. S. Nuclear Regulatory Commission, to Steven A. Hucik, *Results of Acceptance Review for ESBWR Design Certification Application (TAC NO. MC8168)*, September 23, 2005
2. MFN 05-089, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *ESBWR MAAP Parameters*, September 9, 2005
3. MFN 05-094, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *ESBWR DCD Rev 00 Chapter 18 Cross Reference to NUREG 0711, Rev. 2*, September 19, 2005
4. MFN 05-096, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *Summary of September 9, 2005 NRC/GE Conference Call on TRACG LOCA SER Confirmatory Items*, September 20, 2005
5. MFN 05-104, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *General Electric Company Application for Final Design Approval and Design Certification of ESBWR Standard Plant Design - Safeguards Submittal (TAC # MC8168)*, October 12, 2005
6. MFN 05-108, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Items 8, 12, and 13 (TAC # MC8168)*, October 17, 2005
7. MFN 05-109, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Item 2 (TAC # MC8168)*, October 20, 2005
8. MFN 05-111, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Item 4 (TAC # MC8168)*, October 22, 2005

9. MFN 05-112, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Item 5 (TAC # MC8168)*, October 22, 2005
10. MFN 05-115, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Items 1 and 3 (TAC # MC8168)*, October 24, 2005
11. MFN 05-116, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Items 9, 10, and 11 (TAC # MC8168)*, October 24, 2005
12. MFN 05-117, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Item 7(TAC # MC8168)*, October 24, 2005
13. MFN 05-118, Letter from David H. Hinds to U. S. Nuclear Regulatory Commission, *GE Response to Results of NRC Acceptance Review for ESBWR Design Certification Application – Item 6 (TAC # MC8168)*, October 24, 2005

Enclosures:

1. *Response to NRC ESBWR Acceptance Review Additional Information Request*

cc: AE Cubbage USNRC (with enclosure)
LA Dudes USNRC (with enclosure)
DH Hinds GE/Wilmington (with enclosure)
JF Klapproth GE/ Wilmington (with enclosure)
LM Quintana GE/ Wilmington (with enclosure)
AC White GE/ Wilmington (with enclosure)
eDRF 0000-0045-6312

ENCLOSURE 1

MFN 05-113

ESBWR

**Response to NRC ESBWR Acceptance Review
Additional Information Request**