



GE Energy

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MFN 05-111

Project 717

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

**Subject: GE Response to Results of NRC Acceptance Review for ESBWR
Design Certification Application – Item 4 (TAC # MC8168)**

In the Reference 1 letter, the NRC indicated that additional information was required in certain areas of the ESBWR design certification application before the NRC could begin its review in those areas. Enclosures 1 and 2 contain additional information in the area of fission product removal (item 4 in the Reference 1 letter) Enclosure 2 contains revised sections of DCD Chapter 15 and will be included in the issued revision 01 of the full document. The following information is included:

- Enclosure 1 contains GE's response to the subject acceptance review item, including a description and schedule for follow-on deliverables. Enclosure 1 also contains a discussion of other issues which will be resolved in DCD Revision 1.
- Enclosure 2 contains a revised DCD subsection 15.4.4, "Loss of Coolant Accident Inside Containment Radiological Analysis."

If you have any questions about the information provided here, please let me know.

DO68

Sincerely,

A handwritten signature in black ink, appearing to read "D. Hinds for".

David H. Hinds
Manager, ESBWR

Reference:

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

Enclosures:

1. MFN 05-111 – GE Response to DCD Acceptance Review Item 4 - Fission Product Removal
2. MFN 05-111 – Revised DCD Subsection 15.4.4, "Loss of Coolant Accident Inside Containment Radiological Analysis."

cc: WD Beckner USNRC (w/o enclosures)
AE Cubbage USNRC (with enclosures)
LA Dudes USNRC (w/o enclosures)
GB Stramback GE/San Jose (with enclosures)
eDRF 0000-0036-8951

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Enclosure 1

ENCLOSURE 1

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GE Response to DCD Acceptance Review Item 4
Fission Product Removal

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Enclosure 2

ENCLOSURE 2

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**Revised DCD Subsection 15.4.4,
“Loss of Coolant Accident Inside Containment
Radiological Analysis.”**