



GE Energy

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MFN 07-254

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U.S. Nuclear Regulatory Commission
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**Subject: Response to Portion of NRC Request for Additional Information
Letter No. 95 – RAI Number 20.0-8**

Enclosure 1 contains GE's response to the subject NRC RAIs transmitted via the Reference 1 letter.

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

Sincerely,

Lathy Sedney for

James C. Kinsey
Project Manager, ESBWR Licensing

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Reference:

1. MFN 07-204, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 95 Related to the ESBWR Design Certification Application*, March 27, 2007

Enclosures:

1. MFN 07-254 – Response to Portion of NRC Request for Additional Information Letter No. 95 – Related to ESBWR Design Certification Application – Generic issues – RAI Number 20.0-8
2. MFN 07-254 – Response to Portion of NRC Request for Additional Information Letter No. 95 – Related to ESBWR Design Certification Application – Generic issues – RAI Number 20.0-8 – DCD Markup Pages

cc: AE Cabbage USNRC (with enclosures)
GB Stramback GE/San Jose (with enclosures)
BE Brown GE/ Wilmington (with enclosures)
eDRF 0067-5779

Enclosure 1

MFN 07-254

**Response to Portion of NRC Request for
Additional Information Letter No. 95
Related to ESBWR Design Certification Application
Generic Issues
RAI Number 20.0-8**

NRC RAI 20.0-8

DCD, Tier 2, Revision 3, Table 1.11-1, Discussion of Task Action Plan (TAP) A-17 refers to Note (4). Note (4) states that this TAP " ... would be addressed elsewhere in Tier 2." Please revise Table 1.11-1, A-17, to reference GE's response to RAI 19.1.0-2 dated January 30, 2007 (MFN 07-066) regarding regulatory treatment of non-safety systems (RTNSS), or reference the appropriate DCD Section containing the information in this RAI response

GE Response

GE accepts the comment and will modify Item A-17 of Table 1.11-1 to refer to DCD Tier 2 Appendix 19A, Section 19A.6. This is where the portion of the RAI 19.1.0-2 response related to Item A-17 has been incorporated into Revision 3 of the DCD.

Affected Documents

DCD Tier 2, Table 1.11-1, will be revised as noted in the attached markup for Item A-17.

Enclosure 2

MFN 07-254

**Response to Portion of NRC Request for
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Generic Issues
RAI Number 20.0-8
DCD Markup Pages**

Table 1.11-1 (continued)

Action Plan Item/Issue Number	Description	Associated Tier 2 Location(s) and/or Technical Resolution
		<p>handling, or installation.</p> <ul style="list-style-type: none"> • The snubber location, orientation, position setting, and configuration are according to design drawings and specifications. • Snubbers are not seized, frozen or jammed. • Adequate swing clearance is provided to allow snubber movements. • If applicable, fluid is to the recommended level and is not to be leaking from the snubber system. • Structural components (e.g., pins, fasteners, etc.) are installed correctly. <p>If the period between the initial pre-service examination and initial system pre-operational tests exceeds 6 months, reexaminations of the first, fourth, and fifth items are performed. Snubbers that are installed incorrectly or otherwise fail to meet the above requirements will be prepared or replaced and re-examined in accordance with the above criteria.</p> <p>Refer to Subsection 3.9.3.7.1 for further details.</p>
A-14	Flaw Detection	(3)
A-15	Primary Coolant System Decontamination and Steam Generator Chemical Cleaning	(8) Issue resolved with publication of decontamination criteria in NUREG/CR-2963.
A-16	Steam Effects on BWR Core Spray Distribution	(1) There is no core spray in the ESBWR design.
A-17	Systems Interactions in Nuclear Power Plants	(4) See Appendix 19A, Section 19A.6, for further details regarding this issue as part of the discussion of Regulatory Treatment of Non-Safety Systems (RTNSS).
A-18	Pipe Rupture Design Criteria	(3)