



GE Energy

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MFN 06-366

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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. 61 – Seismic, Structural and Piping Analyses – RAI
Number 3.12-38**

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

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

Sincerely,

A handwritten signature in cursive script that reads "Kathy Sedney for".

David H. Hinds
Manager, ESBWR

Handwritten initials "D068" in a cursive style.

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Reference:

1. MFN 06-343, Letter from U.S. Nuclear Regulatory Commission to David Hinds, *Request for Additional Information Letter No. 61 Related to ESBWR Design Certification Application*, September 19, 2006

Enclosure:

1. MFN 06-366 – Response to Portion of NRC Request for Additional Information Letter No. 61 – Seismic, Structural and Piping Analyses – RAI Number 3.12-38

cc: AE Cabbage USNRC (with enclosures)
GB Stramback GE/San Jose (with enclosures)
eDRF 0058-9093

ENCLOSURE 1

MFN 06-366

**Response to Portion of NRC Request for
Additional Information Letter No. 61
Related to ESBWR Design Certification Application
Seismic, Structural and Piping Analyses
RAI Number 3.12-38**

NRC RAI 3.12-38

Include the direct loading of safety relief valve (SRV) discharge and loss of coolant accidents (LOCA) on submerged components in the suppression pool. Include these loads in the DCD Tables and the main steam (MS)/SRV analysis.

GE Response

The SRV discharge piping will be anchored at the air space interface to the wetwell. Therefore, there will be no wetwell loadings transferred to the main steam piping and SRV discharge piping in the drywell. There will be load combinations for the wetwell piping to include all the loss of coolant accident (LOCA) loads on submerged components similar to the ABWR analysis.

No DCD change will be made in response to this RAI.