

June 5, 2008

Mr. Robert E. Brown
Senior Vice President, Regulatory Affairs
GE-Hitachi Nuclear Energy
3901 Castle Hayne Road MC A-50
Wilmington, NC 28401

SUBJECT: ECONOMIC SIMPLIFIED BOILING WATER REACTOR (ESBWR) CHAPTER 3
OPEN ITEMS

Dear Mr. Brown:

As you are aware, the U.S. Nuclear Regulatory Commission staff is preparing the safety evaluation report (SER) for the ESBWR design certification application submitted by GE-Hitachi Nuclear Energy (GEH) on August 24, 2005. The staff has identified 63 open items for SER Chapter 3, "Design of Structures, Components, Equipment, and Systems," which are enclosed for your information. The staff is prepared to review your responses to the open items and have conference calls and meetings with your staff, as appropriate, to resolve these open items to support issuance of the SER.

Please provide a response date for any late or unscheduled open items discussed in the enclosure.

This open item letter is based on the staff's review of the ESBWR Design Control Document (DCD) Revision 4, Request for Additional Information (RAI) responses and other submittals received to-date. The staff will continue its review as additional RAI responses and other deliverables are submitted, including future DCD Revisions. The staff will inform cognizant GEH staff of any resulting changes to the status of Chapter 3. If you have any questions, please contact Chandu Patel at (301) 415-3025 or Chandu.Patel@nrc.gov, or you may contact Eric Oesterle at (301) 415-1365 or Eric.Oesterle@nrc.gov.

Sincerely,

/RA/

Jeffrey Cruz, Chief
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-010

Enclosure: As stated

cc: See next page

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OPEN ITEMS DATED JUNE 5, 2008

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(Revised 06/03/2008)

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