

March 5, 2009

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 316 RELATED TO
ESBWR DESIGN CERTIFICATION APPLICATION

Dear Mr. Brown:

By letter dated August 24, 2005, GE Hitachi Nuclear Energy (GEH) submitted an application for final design approval and standard design certification of the economic simplified boiling water reactor (ESBWR) standard plant design pursuant to 10 CFR Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed design.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

If you have any questions or comments concerning this matter, you may contact me at 301-415-6715 or Bruce.Bavol@nrc.gov or you may contact Amy Cubbage at 301-415-2875 or Amy.Cubbage@nrc.gov.

Sincerely,

/RA/

Bruce M. Bavol, Project Manager
ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-010

Enclosure:
Request for Additional Information

cc: See next page

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Distribution: See next page

ADAMS ACCESSION NO. ML090630035

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DATE	03/04/09	03/05/09

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SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 316 RELATED TO
ESBWR DESIGN CERTIFICATION APPLICATION DATED MARCH 5, 2009

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Requests for Additional Information (RAIs): ESBWR Design Control Document (DCD) Revision 5

RAI Number	Reviewer	Question Summary	Full Text
RAI 4.2-25 Supplement 2 (MFN 08-908 dated December 2, 2008)	Van Wert C	ESBWR Marathon control blade capsule impact test	In response to RAI 4.2-25, Supplement 1, GEH performed an impact test on the ESBWR Marathon control blade capsules under ESBWR control blade scram conditions; however, the results were not supplied as requested by the RAI. Please provide (1) a description of the test procedure including the acceptance criteria, and (2) results from the test.

Enclosure

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cc:

(Revised 02/23/2009)

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