

November 2, 2007

Mr. Robert E. Brown
Senior Vice President, Regulatory Affairs
GE-Hitachi Nuclear Energy Americas, LLC
3901 Castle Hayne Rd MC A-45
Wilmington NC 28401

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 118 RELATED TO
ESBWR DESIGN CERTIFICATION APPLICATION

Dear Mr. Brown:

By letter dated August 24, 2005, GE-Hitachi Nuclear Energy Americas, LLC (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 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.

To support the review schedule, you are requested to provide the requested additional information within 45 days of the date of this letter.

If you have any questions or comments concerning this matter, you may contact me at 301-415-6256 or djg3@nrc.gov or you may contact Amy Cabbage at 301-415-2875 or aec@nrc.gov.

Sincerely,

/RA/

Dennis Galvin, 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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/RA/

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ESBWR/ABWR Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

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Distribution: See next page

ACCESSION NO: ML073050003 Template: NRR-084

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DATE	11/01/2007	11/02/2007	11/02/2007

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ESBWR DESIGN CERTIFICATION APPLICATION

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JHernandez

Requests for Additional Information (RAIs)
ESBWR Design Control Document (DCD), Revision 4

RAI Number	Reviewer	Question Summary	Full Text
9.1-45	Hernandez J	Address compliance with GDC 2, 4, 61, 62, and 63	The design bases provided in DCD Tier 2, Section 9.1.2, "Spent Fuel Storage," does not expressly address compliance with GDC 2, 4, 61, 62, and 63. Revise the DCD to address how the design bases comply with GDC 2, 4, 61, 62, and 63 and conformance to associated regulatory guides and industry standards for spent fuel storage in accordance with the SRP.

Enclosure

DC GE - ESBWR Mailing List

List #24

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