

May 2, 2006

Mr. David H. Hinds, Manager, ESBWR
General Electric Company
P.O. Box 780, M/C L60
Wilmington, NC 28402-0780

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 24 RELATED TO
ESBWR DESIGN CERTIFICATION APPLICATION

Dear Mr. Hinds:

By letter dated August 24, 2005, General Electric Company (GE) 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. This RAI concerns technical specifications for limiting conditions for operation (LCO) discussed in Chapter 16 of the ESBWR design control document. This question was sent to you via electronic mail on January 27, 2006, and was discussed with your staff during two telecons on February 6 and February 28, 2006. It was also discussed at the two public meetings on March 23 and April 19, 2006. You agreed to respond to this RAI by May 31, 2006.

If you have any questions or comments concerning this matter, you may contact me at (301) 415-4115 or mcb@nrc.gov. You may also contact Amy Cubbage at (301) 415-2875 or aec@nrc.gov.

Sincerely,

/RA/

Martha Barillas, Project Manager
ESBWR/ABWR Projects Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 52-010

Enclosure: As stated

cc: See next page

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ESBWR/ABWR Projects Branch
Division of New Reactor Licensing
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ADAMS ACCESSION NO. ML061220005

OFFICE	NESB:PM	NESB:BC(A)
NAME	MBarillas	ACabbage
DATE	05/02/2006	05/02/2006

OFFICIAL RECORD COPY

Distribution for RAI Letter No. 24 dated May 2, 2006

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**REQUEST FOR ADDITIONAL INFORMATION (RAI) RELATED TO
ESBWR DESIGN CONTROL DOCUMENT (DCD), CHAPTER 16**

RAI Number	Reviewer	Question Summary	Full Text
16.0-1	Harbuck C	Discuss how the Chapter 16 TS LCO were formulated.	The TS should include a limiting condition for operation (LCO) for each structure, system, or component (SSC) or process parameter meeting one or more of the four criteria in 10 CFR 50.36(c)(2)(ii) to ensure that the proposed LCOs are sufficient for maintaining the validity of safety analysis (and also the risk analysis). What is the basis in formulating the TS LCOs for the ESBWR and verify that 10 CFR 50.36 is satisfied.

ESBWR

cc:

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