

RAI Number	Reviewer	Question Summary	Full Text
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6.2-64	Throm E	Information necessary to evaluate ESBWR containment response to DBAs; per SRP 6.2.1.1.C: drywell temperature	The nominal drywell temperature is listed as 135 EF (Table 6.2-2). The reported DBA analyses were done at 115 EF (Table 6.2-6). Provide an explanation of the temperature used to ensure a conservative evaluation. Include this information in the DCD Tier 2.
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June 1, 2006

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 33 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 "Engineered Safety Features," Chapter 6 of Tier 2 of the ESBWR design control document. This RAI was sent to you via electronic mail on March 22, 2006, and resent on May 19, 2006. The RAIs were discussed with you during a telecon on May 2, 2006. You agreed to respond to this RAI on the following schedule:

June 23, 2006:	RAI 6.2-48 through 6.2-51, 6.2-53 through 6.2-57, 6.2-62, and 6.2-64 through 6.2-74
July 28, 2006:	RAI 6.2-52, 6.2-58 through 6.2-60, and RAI 6.2-63

If you have any questions or comments concerning this matter, you may contact me at (301) 415-207 or lnq@nrc.gov, Amy Cubbage at (301) 415-42875 or aec@nrc.gov, Lawrence Rossbach at (301) 415-2863 or lwr@nrc.gov, or Martha Barillas at (301) 415-4115 or mcb@nrc.gov.

Sincerely,

/RA/

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

Docket No. 52-0010

Enclosure: As stated

cc: See next page