

RAI Number	Reviewer	Question Summary	Full Text
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6.2-74	Throm E	Information to assist the staff in performing audit or confirmatory analyses to support design review.	Provide a description, and drawings, of the PCCS and ICS upper pool volumes per unit (m <sup>3</sup> ) with the location (elevation in meters) and areas (m <sup>2</sup> ) of connective pathways, and other connected pool volumes (storage, etc.) with connective pathways.
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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](mailto:lnq@nrc.gov), Amy Cubbage at (301) 415-42875 or [aec@nrc.gov](mailto:aec@nrc.gov), Lawrence Rossbach at (301) 415-2863 or [lwr@nrc.gov](mailto:lwr@nrc.gov), or Martha Barillas at (301) 415-4115 or [mcb@nrc.gov](mailto: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