

August 16, 2005

Dr. Robert E. Gamble  
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1989 Little Orchard Street, M/C 365  
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SUBJECT: DRAFT ESBWR DESIGN CERTIFICATION APPLICATION ACCEPTANCE  
REVIEW CHECKLIST

Dear Dr. Gamble:

The Nuclear Regulatory Commission (NRC) staff has drafted an acceptance review checklist as part of our preparations for receiving a design certification application from General Electric Energy (GE) for the Economic Simplified Boiling Water Reactor (ESBWR). A copy of the draft checklist is enclosed for your information. Our staff will use this checklist as guidance during the acceptance review of the ESBWR design certification application. We expect to receive a complete, high quality application from GE on the schedule described in the May 20, 2005, letter from Mr. Louis Quintana to NRC. The basic guidance for the checklist is Section 52.47 of Title 10 of the *Code of Federal Regulations* (10 CFR). Technical information to be included in a design certification application beyond that specifically required by 10 CFR 52.47 is listed in Attachment 2 to the checklist. Attachment 2 to the checklist includes issues discussed in Commission Papers (SECY), Staff Requirements Memoranda (SRMs), and confirmatory items from our safety evaluation for the pre-application review of the ESBWR. Applicable regulations will apply regardless of whether they are listed in the checklist or not.

We look forward to receiving GE's design certification application. If you have any questions regarding this matter, I may be reached at 301-415-2863 or [lwr@nrc.gov](mailto:lwr@nrc.gov).

Sincerely,

*/RA/*

Lawrence Rossbach, Project Manager  
New Reactors Section  
New, Research and Test Reactors Program  
Division of Regulatory Improvement Program  
Office of Nuclear Reactor Regulation

Project No. 717

Enclosure: Draft ESBWR Design Certification  
Application Acceptance Review Checklist

cc w/encl: See next page

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