

October 2, 2008

MEMORANDUM TO: Edwin M. Hackett, Executive Director  
Advisory Committee on Reactor Safeguards  
and Advisory Committee on Nuclear Waste and Materials

FROM: David B. Matthews, Director */RA T. Bergman for:/*  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: SAFETY EVALUATION REPORT (SER) WITH OPEN ITEMS (OIs) FOR  
CHAPTER 14.2 "INITIAL TEST PROGRAM FOR FINAL SAFETY  
ANALYSIS REPORTS" REGARDING THE ECONOMIC SIMPLIFIED  
BOILING WATER REACTOR (ESBWR) DESIGN CERTIFICATION  
REVIEW

The U.S. Nuclear Regulatory Commission staff is preparing SERs with OIs for each chapter of the ESBWR design certification application submitted by GE-Hitachi Nuclear Energy on August 24, 2005.

In support of this review, the staff has performed a detailed review of Chapter 14.2, regarding the ESBWR initial test program and has prepared the enclosed SER with OIs. The SER with OIs is being provided to support upcoming meetings of the Advisory Committee on Reactor Safeguards (ACRS) ESBWR Design-Centered Subcommittee and the ACRS Full Committee, scheduled to be held on October 21, 2008. The enclosed SER with OIs has not been reviewed for proprietary information. Until the proprietary determination has been completed the enclosure should not be released to the public. The staff will request GEH to review the enclosure in order to make it publicly available prior to the scheduled ACRS meeting.

Docket No. 52-0010

Enclosure:  
Safety Evaluation Report with Open Items

CONTACT: Leslie T. Perkins NGE1/NRO  
301-415-2375

Amy Cabbage, NGE1/NRO  
301-415-2875

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 301-415-2375    301-415-2875

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