

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
SECTION 14.3 "INSPECTIONS, TESTS, ANALYSES, AND
ACCEPTANCE CRITERIA (ITAAC)" 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 Americas LLC on August 24, 2005.

The staff has performed a detailed review of Tier 2, Section 14.3 of the ESBWR design control document (DCD), Revision 5, as well as Tier 1 of the ESBWR DCD, Revision 5, both regarding ITAAC, 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 in October and November, respectively. 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: Eric R. Oesterle, NGE1/NRO
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SUBJECT: SAFETY EVALUATION REPORT (SER) WITH OPEN ITEMS (OIs) FOR SECTION 14.3 "INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA (ITAAC)" REGARDING THE ESBWR DESIGN CERTIFICATION REVIEW DATED OCTOBER 2, 2008

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