

August 26, 2010

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

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

SUBJECT: ADVANCED FINAL SAFETY EVALUATION FOR  
CHAPTER 3 "DESIGN OF STRUCTURES, COMPONENTS,  
EQUIPMENT, AND SYSTEMS" REGARDING THE ECONOMIC  
SIMPLIFIED BOILING WATER REACTOR DESIGN CERTIFICATION  
REVIEW

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing Advanced Final Safety Evaluations (FSEs) for each chapter of the Economic Simplified Boiling Water Reactor (ESBWR) design certification application submitted by GE-Hitachi Nuclear Energy (GEH) on August 24, 2005.

The staff has performed a detailed review of ESBWR Chapter 3 and has prepared the Advanced FSE (available under the Agencywide Documents Access and Management System (ADAMS) Accession Number ML102380531). The Advanced FSE is being provided to support the upcoming meeting of the Advisory Committee on Reactor Safeguards (ACRS) ESBWR Design-Centered Subcommittee, scheduled to be held on September 23-24, 2010. The ACRS Full Committee meeting will be held on October 7, 2010. The staff concludes that the Advanced FSE does not contain any information for which exemption from public disclosure has been sought or approved. However, the NRC will withhold the Advanced FSE from public disclosure for ten calendar days to allow GEH the opportunity to verify the staff's conclusion that the Advanced FSE contains no such exempt information or any factual errors. Therefore, the staff requests that the ACRS withhold the Advanced FSE from public disclosure until the information has been released publicly in ADAMS.



E. Hackett

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The staff will inform the ACRS immediately if GEH requests that any of the information in the Advanced FSE be withheld from public disclosure.

Docket No. 52-0010

Enclosure:  
Final Safety Evaluation Report – Chapter 3

CONTACTS: David Misenhimer, BWR/NRO  
301-415-6590

Amy Cubbage, BWR/NRO  
301-415-2875

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ADAMS Accession No. ML102380526-Package \*via e-mail NRO-002

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REVIEW DATED AUGUST 26, 2010

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