

September 1, 2010

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

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

SUBJECT: ADVANCED FINAL SAFETY EVALUATION FOR CHAPTER 1
"INTRODUCTION AND GENERAL DISCUSSION" 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 1 and has prepared Chapter 1 of the Advanced FSE (available under the Agencywide Documents Access and Management System (ADAMS) Accession Number ML102390268). The Advanced FSE is being provided to the Advisory Committee on Reactor Safeguards (ACRS) ESBWR Design-Centered Subcommittee, for review. The staff does not plan to present Chapter 1 to the Subcommittee since there were no open items in this chapter. 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.

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

CONTACTS: David Misenhimer, BWR/NRO
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SUBJECT: ADVANCED FINAL SAFETY EVALUATION FOR
CHAPTER 1 "INTRODUCTION AND GENERAL DISCUSSION"
REGARDING THE ECONOMIC SIMPLIFIED BOILING WATER
REACTOR DESIGN CERTIFICATION REVIEW DATED
SEPTEMBER 1, 2010

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