

August 24, 2010

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

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 4
"REACTOR" REGARDING THE ECONOMIC SIMPLIFIED BOILING
WATER REACTOR (ESBWR) DESIGN CERTIFICATION REVIEW

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing Advanced Final Safety Evaluations (FSEs) for each chapter of the 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 4 and has prepared the Advanced FSE (available under the Agencywide Documents Access and Management System (ADAMS) Accession Number ML101730104). 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 at 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.

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: Bruce Bovol, BWR/NRO
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Docket No. 52-0010

Enclosure:
Advanced Final Safety Evaluation – Chapter 4

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ADAMS Accession No. ML102290245-Package

OFFICE	BWR:PM	Tech Editing*	NGE1:LA	BWR:LPM	BC:SRSB
NAME	BBaval	KAzariah-Kribbs	SGreen	ACabbage	JDonoghue
DATE	8/09/2010	3/26/2010	8/11/2010	08/18/2010	8/16/2010
OFFICE	BC:CIB2	OGC/NLO	BC:SRSB	BC:BWR	DNRL:D
NAME	MNorato	RChazell	AMendiola	MTonacci	DMatthews
DATE	8/16/2010	8/11/2010	8/12/2010	08/19/2010	08/24/2010

OFFICIAL RECORD

SUBJECT: ADVANCED FINAL SAFETY EVALUATION FOR CHAPTER 4 "REACTOR"
REGARDING THE ECONOMIC SIMPLIFIED BOILING WATER REACTOR (ESBWR) DESIGN
CERTIFICATION REVIEW DATED AUGUST 24, 2010

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