

July 15, 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 Patrick Madden for/*  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: ADVANCED FINAL SAFETY EVALUATION REPORT FOR  
CHAPTER 20 "GENERIC ISSUES" REGARDING THE ECONOMIC  
SIMPLIFIED BOILING WATER REACTOR (ESBWR) DESIGN  
CERTIFICATION REVIEW

The U.S. Nuclear Regulatory Commission staff is preparing Final Safety Evaluation Reports (FSERs) 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 the ESBWR design control document, regarding ESBWR generic issues, and has prepared the FSER (available in ADAMS at ML101720612). The FSER 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 August 16-17, 2010. The ACRS Full Committee meeting will be held at a future date. The FSER has not been reviewed for proprietary information. Until the proprietary determination has been completed, the FSER should not be released to the public. The staff will request GEH to review the FSER in order to make it publicly available prior to the scheduled ACRS meeting. Therefore, the staff requests that it not be released to the public.

Docket No. 52-0010

CONTACTS: Leslie Perkins, BWR/NRO  
301-415-6715

Amy Cabbage, BWR/NRO  
301-415-2875

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ADAMS Accession No. ML101950359-Package

OFFICE	BWR:PM	Tech Editing*	NGE1:LA	BWR:LPM	BC:CQVB	BC:SFPT	BC: SRSB	BC:CIB2
NAME	LPerkins	KAzariah-Kribbs	SGreen	ACabbage	RRasmussen (F Talbot for)	J Dreisbach	JDonoghue (G Thomas for)	MNorato
DATE	7/ 9/2010	8/21/2009	7/14/2010	7/14/2010	5/04/10	5/05/2010	5/17/2010	6/25/2010
OFFICE	BC:ICE2	BC:COLP*	BC:CHPB	BC:SBCV	BC:BWR	OGC/NLO	DNRL:D	
NAME	Jung	MJunge	ERoach (C Hinson for)	JMcKirgan (R Goel for)	MTonacci	MCarpentier	Dmatthews (PMadden for)	
DATE	5/05/2010	6/30/2010	5/04/2010	5/04/2010	7/15/2010	7/9/2010	7/15/2010	

\*Concurrence via attached email. OFFICIAL RECORD

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"GENERIC ISSUES" REGARDING THE ECONOMIC SIMPLIFIED BOILING WATER  
REACTOR (ESBWR) DESIGN CERTIFICATION REVIEW DATED JULY 15, 2010

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