

May 21, 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/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: ADVANCED FINAL SAFETY EVALUATION REPORT FOR
CHAPTER 8 "ELECTRIC POWER" 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 Chapter 8, regarding ESBWR electric power, and has prepared the enclosed FSER (available in ADAMS at ML101250056). 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 June 22, 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

Enclosure:
Final Safety Evaluation Report – Chapter 8

CONTACTS: Dennis Galvin, NGE1/NRO
301-415-6256

Amy Cabbage, NGE1/NRO
301-415-2875

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*Concurrence via attached email. OFFICIAL RECORD

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CERTIFICATION REVIEW DATED MAY 21, 2010

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