

July 14, 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 REPORT FOR GE HITACHI
NUCLEAR ENERGY LICENSING TOPICAL REPORT NEDO-33373,
REVISION 4, "DYNAMIC, LOAD-DROP AND THERMALHYDRAULIC
ANALYSES FOR ESBWR FUEL RACKS"

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 Licensing Topical Report (LTR) titled NEDO-33373, Revision 4, "Dynamic, Load-Drop and Thermalhydraulic Analyses for ESBWR Fuel Racks," and has prepared the advanced final SER (available in ADAMS at ML101600135). The advanced final SER 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 17-18, 2010. 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

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