

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 REPORTS  
NEDC-33374P, REVISION 3, "SAFETY ANALYSIS REPORT FOR  
FUEL STORAGE RACKS CRITICALITY ANALYSIS FOR ESBWR  
PLANTS"

The U.S. Nuclear Regulatory Commission staff is preparing Safety Evaluation Reports (SERs) for each chapter of the Economic Simplified Boiling Water Reactor (ESBWR) design certification application submitted by GE Hitachi Nuclear Energy on August 24, 2005.

The staff has performed a detailed review of the Licensing Topical Report (LTR) titled NEDC-33374P, Revision 3, "Safety Analysis Report for Fuel Storage Racks Criticality Analysis for ESBWR Plants," and has prepared the advanced final SER (available in ADAMS at (ML101600141)). 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 ACRS Full Committee meeting will be held at a future date. The staff accepts the LTR for reference in the ESBWR design certification. The enclosed SER contains proprietary information and should not be released to the public.

Docket No. 52-0010

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

Amy Cabbage, NGE1/NRO  
301-415-2875

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          NUCLEAR ENERGY LICENSING TOPICAL REPORTS NEDC-33374P,  
          REVISION 3, "SAFETY ANALYSIS REPORT FOR FUEL STORAGE RACKS  
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