

November 7, 2011

ORGANIZATION: GE Hitachi Nuclear Energy  
PROJECT: Economic Simplified Boiling-Water Reactor Design Certification  
SUBJECT: SUMMARY OF AUDIT OF SEISMIC EVALUATION OF ESBWR FUEL IN  
SPENT FUEL AND BUFFER POOLS

The staff performed an audit of the Economic Simplified Boiling-Water Reactor design certification calculations used to demonstrate that fuel assembly integrity in the spent fuel pool and buffer pool is maintained during a seismic event. The purpose of this audit was for the staff to review additional information provided by GE-Hitachi Nuclear Energy to address whether the consequent loads on the fuel assembly due to the design basis seismic event would lead to fuel damage. The audit occurred at the Nuclear Plant Oversight Committee Offices in Rockville, Maryland on August 5, 2011, and continued on September 8, 2011. The detailed results of the audit are provided in the attached enclosure.

*/RA/*

Stacy K. Joseph, Project Manager  
BWR Projects Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-010

Enclosure:  
As stated

cc w/encl: See next page

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