

October 18, 2010

Dr. Said Abdel-Khalik, Chairman
Advisory Committee on Reactor Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: LONG-TERM CORE COOLING FOR THE ECONOMIC AND SIMPLIFIED
BOILING WATER REACTOR

Dear Dr. Abdel-Khalik:

Thank you for your letter of September 22, 2010, in which the Advisory Committee on Reactor Safeguards reviewed long-term core cooling with respect to the staff's ongoing review of the General Electric-Hitachi Nuclear Energy's Economic Simplified Boiling-Water Reactor (ESBWR) design certification.

The staff is pleased to learn that the Committee concurs with the staff's assessment that the regulatory requirements for long-term core cooling for design basis conditions have been adequately met and that this issue can be closed for the ESBWR design. We look forward to continued discussions with the Committee on the ESBWR design certification.

If you have questions, please contact Amy Cubbage of my staff at 301-415-2875.

Sincerely,

/RA by Martin J. Virgilio for/

R. W. Borchardt
Executive Director
for Operations

cc: Chairman Jaczko
Commissioner Svinicki
Commissioner Apostolakis
Commissioner Magwood
Commissioner Ostendorff
SECY

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