

October 25, 2011

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

SUBJECT: CHAPTERS 2, 5, 8, 10, 11, 12, 13, AND 16 OF THE SAFETY EVALUATION
REPORT WITH OPEN ITEMS FOR CERTIFICATION OF THE US-APWR
DESIGN

Dear Dr. Abdel-Khalik:

Thank you for your letter dated September 22, 2011, on the safety evaluation report (SER) with open items (OIs) associated with the United States Advanced Pressurized-Water Reactor (US-APWR) design certification application. As discussed during the 586th meeting of the Advisory Committee on Reactor Safeguards (ACRS) on September 9, 2011, the staff is currently working to resolve the OIs associated with the review of Chapter 2, "Site Characteristics"; Chapter 5, "Reactor Coolant System and Connected Systems"; Chapter 8, "Electric Power"; Chapter 10, "Steam and Power Conversion"; Chapter 11, "Radioactive Waste Management"; Chapter 12, "Radiation Protection"; Chapter 13, "Conduct of Operations"; and Chapter 16, "Technical Specifications."

The staff is working with the applicant to resolve all of the OIs, as well as the three additional items identified in the "Conclusions and Recommendations" section of your letter regarding the reactor coolant pump seal leakage, the gas turbine generator, and the turbine-driven emergency feedwater pumps.

The staff appreciates the willingness of ACRS to review the staff's SER with OIs on a chapter-by-chapter basis during this phase of the review process and looks forward to the next meeting.

Sincerely,

R. W. Borchardt */RA by M.F. Weber for/*
Executive Director
for Operations

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

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Letter to S. Abdel-Khalik from R.W. Borchardt dated October 25, 2010

SUBJECT: CHAPTERS 2, 5, 8, 10, 11, 12, 13, AND 16 OF THE SAFETY EVALUATION
REPORT WITH OPEN ITEMS FOR CERTIFICATION OF THE US-APWR DESIGN

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