

June 12, 2012

Dr. J. Sam Armijo
Advisory Committee on Reactor Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT: CHAPTERS 3, 9, 14, AND 19 OF THE SAFETY EVALUATION REPORT WITH
OPEN ITEMS ASSOCIATED WITH THE U.S. EVOLUTIONARY POWER
REACTOR DESIGN CERTIFICATION APPLICATION

Dear Dr. Armijo:

Thank you for your letter dated May 18, 2012, regarding the safety evaluation report (SER) with open items (OIs) associated with the U.S. Evolutionary Power Reactor (EPR) design certification application. As discussed during the 594th meeting of the Advisory Committee on Reactor Safeguards (ACRS) on May 10, 2012, the staff is currently working to resolve the OIs associated with the review of Chapter 3, "Design of Structures, Components, Equipment, and Systems," Chapter 9, "Auxiliary Systems," Chapter 14, "Initial Test Program and Inspections, Tests, Analyses, and Acceptance Criteria," and Chapter 19, "Probabilistic Risk Assessment and Severe Accident Evaluation."

The NRC staff is pleased to learn that your review of the staff's SER with OIs for Chapters 3, 9, 14, and 19 has not identified any issues that merit further consideration by your committee at this time.

This completes Phase 3 (ACRS review of SER with OIs) of the U.S. EPR design certification application. The NRC staff appreciates the willingness of the ACRS to review the staff's SER with OIs on a chapter-by-chapter basis during this phase of the review process. We look forward to our next meeting to discuss resolution of OIs in Phase 5 of the review process.

Sincerely,

/RA by MJohnson for/

R. W. Borchardt
Executive Director
for Operations

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

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DATE	05/31/12	06/06/12	06/07/12	06/12/12

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Letter to Dr. J. Sam Armijo from R.W. Borchardt dated: June 12, 2012

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