

May 27, 2010

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

SUBJECT: CHAPTERS 2, 4, 5, 8, 10, 12, AND 17 OF THE SAFETY EVALUATION REPORT
WITH OPEN ITEMS ASSOCIATED WITH THE U.S. EVOLUTIONARY POWER
REACTOR DESIGN CERTIFICATION APPLICATION

Dear Dr. Abdel-Khalik:

Thank you for your letter dated April 21, 2010, regarding the safety evaluation report (SER) with open items (OIs) associated with the U.S. Evolutionary Power Reactor design certification application. As discussed during the 571st meeting of the Advisory Committee on Reactor Safeguards (ACRS) on April 8, 2010, the staff is currently working to resolve the OIs associated with the review of Chapter 2, "Site Characteristics;" Chapter 4, "Reactor;" Chapter 5, "Reactor Coolant System and Connected Systems;" Chapter 10, "Steam and Power Conversion;" Chapter 12, "Radiation Protection;" and Chapter 17, "Quality Assurance." As noted in your letter, the SER for Chapter 8, "Electric Power," contains no OIs.

The staff is pleased to learn that your review of the staff's SER with OIs for Chapters 2, 4, 5, 8, 10, 12, and 17 has not identified any issues that merit further consideration by your committee at this time.

The 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 and looks forward to the next meeting.

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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DATE	05/18/10	05/17/10	05/11/10	05/11/10
OFFICE	OGC	NRO/DNRL:D	NRO:OD	EDO
NAME	S Kirkwood	D Matthews (F Akstulewicz for)	M Johnson (G Holahan for)	R Borchardt (M Virgilio for)
DATE	05/12/10	05/14/10	05/19/10	05/27/10

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