

September 7, 2017

Dr. Dennis C. Bley, Chairman  
Advisory Committee on Reactor Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

SUBJECT: INTERIM LETTER: CHAPTERS 3, 4, 9, AND 15 OF THE U.S. NUCLEAR REGULATORY COMMISSION STAFF'S SAFETY EVALUATION REPORT WITH OPEN ITEMS RELATED TO THE CERTIFICATION OF THE ADVANCED POWER REACTOR 1400 DESIGN

Dear Dr. Bley:

Thank you for your interim letter dated July 26, 2017 (Agencywide Documents Access and Management System Accession No. ML17206A234), regarding the safety evaluation report with open items (OIs) associated with Chapters 3, 4, 9 (with the exception of Chapter 9, Section 9.1.2, "New and Spent Fuel Storage"), and 15 of the Advanced Power Reactor 1400 (APR1400) design certification application. As discussed during the 645<sup>th</sup> meeting of the Advisory Committee on Reactor Safeguards (ACRS) on July 12—14, 2017, the U.S. Nuclear Regulatory Commission (NRC) staff is currently working to resolve the OIs associated with the review of these chapters. We are pleased with your conclusion that your review of these chapters "did not identify any issues with potentially significant safety implications that merit special attention at this stage of the review assuming satisfactory resolution of remaining open items."

As noted in your letter, the staff discussed a significant number of OIs during the subcommittee meetings. The staff continues to work with the co-applicants, Korea Electric Power Corporation and Korea Hydro & Nuclear Power Company, Ltd., to resolve and close the OIs.

Thank you for your continued chapter-by-chapter review of the APR1400 safety evaluation report. We look forward to our future interactions with the ACRS on this subject.

Sincerely,

***/RA Michael R. Johnson for/***

Victor M. McCree  
Executive Director  
for Operations

Docket No.: 52-046

cc: Chairman Svinicki  
Commissioner Baran  
Commissioner Burns

SECY

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