



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

June 11, 2018

MEMORANDUM TO: Andrea Veil, Executive Director  
Advisory Committee on Reactor Safeguards

FROM: Anna H. Bradford, Deputy Director */RA/*  
Division of Licensing, Siting, and Environmental Analysis  
Office of New Reactors

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION  
APPLICATION – SUPPLEMENTARY INFORMATION FOR  
SAFETY EVALUATION WITH NO OPEN ITEMS FOR CHAPTER  
14.3, “INSPECTIONS, TESTS, ANALYSES AND ACCEPTANCE  
CRITERIA (ITAAC)”

By letter dated December 23, 2014, Korea Electric Power Corporation and Korea Hydro & Nuclear Power Co. (KHNP), Ltd., submitted an application for a design certification of the Advanced Power Reactor 1400 (APR1400) Standard Design. On March 10, 2017, KHNP submitted Revision 1 to the APR1400 design certification application. On March 8, 2018, KHNP submitted a subsequent letter transmitting Revision 2 to the APR1400 design certification application.

Based on our review of the application, the staff provided the Advisory Committee on Reactor Safeguards (ACRS) its safety evaluation (SE) with no open items (OIs) for Section 14.3, “Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC),” in Chapter 14, “Verification Programs,” (Agencywide Documents Access and Management System (ADAMS) Accession Numbers ML18054A687 and ML18149A547). The SE with no OIs for Chapter 14, Section 14.3 contains references to other SER chapters for the ITAAC evaluations. The attached ITAAC Evaluation Cross Reference Table lists for each ITAAC table, the SER section(s) containing the evaluation of the ITAAC. For those SER sections not in Section 14.3, this table also includes the text in the referenced SER section. The text in these referenced sections have been updated from the Phase 4 versions of these chapters previously provided to the ACRS. Therefore, this table is being provided to the ACRS as additional supplementary information to support the review of SER Section 14.3 on June 19, 2018.

The staff concludes that the table does not contain any information exempt from public disclosure. However, the U.S. Nuclear Regulatory Commission will withhold the table from public disclosure for ten business days to allow KHNP the opportunity to verify the staff’s conclusion that the SE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the table from public disclosure until the information has been released publicly in ADAMS.

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The staff will inform the ACRS immediately if KHNP requests that any of the information in the table be withheld from public disclosure.

Docket No.: 52-046

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 SUPPLEMENTARY INFORMATION FOR SAFETY EVALUATION WITH NO OPEN  
 ITEMS FOR CHAPTER 14.3, “INSPECTIONS, TESTS, ANALYSES AND  
 ACCEPTANCE CRITERIA (ITAAC)”  
 DATED: June 11, 2018

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**ADAMS Accession Nos.:**

Pkg: ML18150A645  
 Memo: ML18150A647  
 Ltr: ML18150A648  
 Table: ML18150A650

\*via email

NRO-002

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