



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

May 21, 2018

Dr. Han-Gon Kim, Project Manager
APR1400 Design Certification
Advanced Reactors Development Laboratory
Korea Hydro and Nuclear Power Co., Ltd.
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305-343 Korea (Republic of)

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION - SAFETY EVALUATION WITH NO OPEN ITEMS FOR
CHAPTER 14, SECTION 14.3, "INSPECTIONS, TESTS, ANALYSES, AND
ACCEPTANCE CRITERIA (ITAAC)," (EXCEPT FOR SECTION 14.3.2,
"STRUCTURAL AND SYSTEMS ENGINEERING")

Dear Dr. Kim:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a safety evaluation (SE) with no open items (OIs) for each chapter of Revision 2 to the Advanced Power Reactor 1400 Design Certification Application, submitted by Korea Electric Power Corporation and Korea Hydro & Nuclear Power Co., Ltd. (KHNP) on March 8, 2018.

The staff's SE with no OIs for Chapter 14, Section 14.3, "Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)," (except for Section 14.3.2, "Structural and Systems Engineering") is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support an upcoming meeting of the ACRS Subcommittee scheduled to be held on June 19, 2018. For this SE the staff's review was based on Revision 1 of the application because staff issued a request for additional information (RAI) on March 15, 2018 covering all of the ITAAC tables and Tier 1 Section 1 of the design certification application. This RAI was based on Revision 1 of the application.

The enclosed SE with no OIs is being provided to KHNP for review of proprietary information pursuant to the Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding." The staff concludes that the enclosed SE does not contain any information for which exemption from public disclosure has been sought or approved; however, the NRC will withhold the enclosed SE from public disclosure for ten business days from the date of this letter to allow you the opportunity to verify the staff's conclusion that the SE contains no exempt information or factual errors.

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information. When separated
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document is "DECONTROLLED."**

Dr. Kim

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If within that ten day period, you do not request that all or portions of the SE be withheld from public disclosure, the enclosure will be made available for public inspection through the Publicly Available Records component of NRC's Agencywide Documents Access and Management System and placed on the NRC's public web page for this application.

If you have any questions or comments concerning this matter, please contact Cayetano Santos at (301) 415-7270 or via e-mail address at Cayetano.Santos@nrc.gov.

Sincerely,

/RA/

William R. Ward, Senior Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-046

Enclosure:
As stated

cc w/ encls: See Next Page

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