



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

May 8, 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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SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION – SAFETY EVALUATION WITH NO OPEN ITEMS FOR
CHAPTER 19, SECTIONS 19.0 and 19.1, “PROBABILISTIC RISK
ASSESSMENT”

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 19, Sections 19.0 and 19.1, “Probabilistic Risk Assessment,” is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support upcoming meeting of the ACRS Subcommittee, scheduled to be held on June 5, 2018.

The enclosed SE with no OIs is being provided to KHNP for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* 2.390, “Public Inspections, Exemptions, Requests for Withholding.” The staff concludes that the enclosed SE does contain 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 exempt information but no factual errors. 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.

Document transmitted herewith
contains sensitive unclassified
information. When separated from
the enclosure, this document is
“DECONTROLLED.”

H. Kim

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If you have any questions or comments concerning this matter, I can be reached at (301) 415-7038 or via e-mail address at William.Ward@nrc.gov.

Sincerely,

/RA Michael McCoppin Acting For/

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/encl.: See Next Page

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SAFETY EVALUATION WITH NO OPEN ITEMS FOR CHAPTER 19, SECTIONS
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DATED: 05/08/2018

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