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October 20, 2016

Dr. Jae Yong Lee, Project Manager
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Advanced Reactors Development Laboratory
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SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION - SAFETY EVALUATION WITH OPEN ITEMS FOR CHAPTER 8,
“ELECTRIC POWER SYSTEM”

Dear Dr. Lee:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a safety evaluation (SE) with open items (OIs) for each chapter of the Advanced Power Reactor 1400 Design Certification Application submitted by Korea Electric Power Corporation (KEPCO) and Korea Hydro & Nuclear Power Co., Ltd. (KHNP) on December 23, 2014.

The staff's SE with OIs for Chapter 8, “Electric Power System,” is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support upcoming meetings of the ACRS Subcommittee, scheduled to be held on November 29, 2016.

The enclosed SE with OIs is being provided to KHNP for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 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. 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.”

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Dr. Lee

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If you have any questions or comments concerning this matter, I can be reached at (301) 415-6391 or via e-mail address at Jeff.Ciocco@nrc.gov.

Sincerely,
/RA/

Jeffrey Ciocco, Senior Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-046

Enclosure:
As stated

cc w/ enclos: See Next Page

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