

October 19, 2017

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

FROM: Frank M. Akstulewicz, Director */RA Anna Bradford Acting for/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION - SAFETY EVALUATION WITH CONFIRMATORY
ITEMS FOR CHAPTER 5, "REACTOR COOLANT SYSTEM AND
RELATED SYSTEMS"

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 a subsequent letter transmitting Revision 1 to the APR1400 design certification application.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE) with Confirmatory Items (CIs) for Chapter 5, "Reactor Coolant System and Related Systems" (Agencywide Documents Access and Management System (ADAMS) Accession Number ML17188A193). The staff's review was based on Revisions 0 and 1 of the application. The SE is being provided to support a meeting of the subcommittee of the ACRS scheduled for November 14, 2017. The ACRS full committee meeting will be held after the subcommittee meeting.

The staff concludes that the SE does not contain any information exempt from public disclosure. However, the U.S. Nuclear Regulatory Commission will withhold the SE 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 SE from public disclosure until the information has been released publicly in ADAMS.

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

Docket No.: 52-046

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SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION APPLICATION -
 SAFETY EVALUATION WITH CONFIRMATORY ITEMS FOR CHAPTER 5,
 "REACTOR COOLANT SYSTEM AND RELATED SYSTEMS" DATED: 10/19/2017

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ADAMS Accession No.: Pkg: ML17188A189 *via email NRO-002

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