



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

December 28, 2017

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

FROM: Frank M. Akstulewicz, Director /RA/
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION - SAFETY EVALUATION WITH NO OPEN ITEMS FOR
CHAPTER 18, "HUMAN FACTORS ENGINEERING"

By letter dated December 23, 2014, Korea Electric Power Corporation (KEPCO) 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 no open items for Chapter 18, "Human Factors Engineering" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17276B714). Unless otherwise stated in the SE, the staff's review was based on Revision 1 of the application. The SE is being provided to support a meeting of the Subcommittee of the ACRS scheduled for January 24-25, 2018. The ACRS Full Committee meeting will be held after the Subcommittee meeting.

A review of the SE for any information exempt from public disclosure has not yet been performed. The NRC will withhold the SE from public disclosure for ten business days to allow KHNP the opportunity to perform a proprietary and factual content review. Therefore, the staff requests that the ACRS withhold the SE from public disclosure until the information has been released publicly in the Agencywide Documents Access and Management System.

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

CONTACTS: Cayetano Santos, NRO/DNRL/LB2
301-415-7270

William R. Ward, NRO/DNRL/LB2
301-415-7038

SUBJECT ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION APPLICATION -
SAFETY EVALUATION WITH NO OPEN ITEMS FOR CHAPTER 18, "HUMAN
FACTORS ENGINEERING" DATED: 12/28/2017

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ADAMS Accession Nos.:

PKG: ML17276B327

MEMO: ML17276B518

SER: ML17276B518

***via email**

NRO-002

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NAME	CSantos	CSmith	WWard	MMcCoppin	FAkstulewicz
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