



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

May 21, 2018

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

FROM: Anna H. Bradford, Deputy 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 6, "ENGINEERED SAFETY FEATURES"

By letter dated December 23, 2014, Korea Electric Power Corporation (KEPCO) and Korea Hydro & Nuclear Power Co. (KHNP), Ltd. submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a design certification of the Advanced Power Reactor 1400 (APR1400) Standard Design. On March 8, 2018, KHNP submitted a subsequent letter transmitting Revision 2 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 6, "Engineered Safety Features" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML17188A300). Unless otherwise stated in the SE, the staff's review was based on Revision 2 of the application. The SE is being provided to support a meeting of the Subcommittee of the ACRS scheduled for June 19, 2018. 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 the 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

CONTACTS: Jessica M. Umana, NRO/DNRL/LB2
(301) 415-5207

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 6, "ENGINEERED
SAFETY FEATURES"
DATED: 05/21/2018

DISTRIBUTION:

PUBLIC	WWard, NRO	MMcCoppin, NRO
LB2 R/F	RidsOgcMailCenter	RidsNroDnrl
D101	RidsNroDnrlLB2	RidsNroOd
JUmana, NRO	RidsNroLACSmith	

ADAMS Accession Nos.:

PKG: ML17188A306

MEMO: ML17188A303

SER: ML17188A300

***via email**

NRO-002

OFFICE	DNRL/LB2: PM	DNRL/LB2: LA	DNRL/ LB2: PM	DNRL/LB2 BC	DNRL: D
NAME	JUmana	CSmith *	WWard	MMcCoppin	ABradford
DATE	05/15/2018	03/26/2018	05/18/2018	05/18/2018	05/21/2018

OFFICIAL RECORD COPY