



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

May 8, 2018

MEMORANDUM TO: Andrea 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 PHASE 4 CHAPTER 19, SECTIONS 19.0-19.1,
“PROBABILISTIC RISK ASSESSMENT”

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 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 19 of the APR1400 Final Safety Analysis Report, Sections 19.0 and 19.1, “Probabilistic Risk Assessment” (ML18128A210). 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 5, 2018. The ACRS full committee meeting will be held after the subcommittee meeting.

The staff concludes that the SE does contain information exempt from public disclosure. However, the NRC 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 exempt information. Therefore, the staff requests that the ACRS withhold the SE from public disclosure unless the information can be 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 can be released for public disclosure.

Docket No.: 52-046

CONTACTS: James A. Steckel, NRO/DNRL/LB2
(301) 415-1026

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

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 SAFETY EVALUATION WITH NO OPEN ITEMS FOR PHASE 4 CHAPTER 19,
 SECTIONS 19.0 AND 19.1, "PROBABILISTIC RISK ASSESSMENT"
 DATE: 05/08/2018

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MEMO: ML18128A111

SER: ML18128A210

***via email**

NRO-002

OFFICE	DNRL/LB2: PM	DNRL/ LB2: LA	DNRL/ LB2: PM	DNRL/LB2 BC	DNRL: DD
NAME	JSteckel	CSmith* (MMcCoppin For)	WWard*	MMcCoppin	ABradford
DATE	05/08/2018	05/8/2018	05/08/2018	05/08/2018	05/08/2018

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