



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

January 25, 2018

Dr. Han-Gon Kim, Project Manager
APR1400 Design Certification
Advanced Reactors Development Laboratory
Korea Hydro and Nuclear Power Co., Ltd.
70-1312-gil, Yuseong-daero
Yuseong-Gu, Daejeon
305-343 Korea (Republic of)

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION
APPLICATION - SAFETY EVALUATION WITH NO OPEN ITEMS FOR
CHAPTER 9, "AUXILIARY SYSTEMS"

Dear Dr. Kim:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a safety evaluation (SE) with no open items (OIs) for each chapter of Revision 1 to the Advanced Power Reactor 1400 Design Certification Application, submitted by Korea Electric Power Corporation and Korea Hydro & Nuclear Power Co., Ltd. (KHNP) on March 10, 2017.

The staff's SE with no OIs for Chapter 9, "Auxiliary Systems," is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support upcoming meeting of the ACRS Subcommittee, scheduled to be held on February 21, 2018.

The enclosed SE with no OIs is being provided to KHNP for review of proprietary information pursuant to the Title 10 of the *Code of Federal Regulations* 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."

Dr. Kim

- 2 -

If you have any questions or comments concerning this matter, I can be reached at (301) 415-7038 or via e-mail address at William.Ward@nrc.gov.

Sincerely,

/RA/

William R. Ward, 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

~~OFFICIAL USE ONLY – PROPRIETARY INFORMATION~~

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION APPLICATION -
SAFETY EVALUATION WITH NO OPEN ITEMS FOR CHAPTER 9, "AUXILIARY
SYSTEMS"
DATED: 1/25/2018

DISTRIBUTION:

PUBLIC	RidsNroOd	RidsNroLACSmith
LB2 R/F	RidsNroDnrl	WWard, NRO
D101	RidsNroDnrlLB2	GWunder, NRO

ADAMS Accession Nos.:

Pkg: ML18012A264

Letter: ML18012A627

SER: ML17334A232

via email

NRO-002

OFFICE	NRO/DNRL/LB2: PM	NRO/DNRL/LB2: LA	NRO/DNRL/LB2: PM
NAME	GWunder	CSmith*	WWard
DATE	01/25/2018	01/23/2018	01/25/2018

OFFICIAL RECORD COPY

Daegeun Tony Ahn
Director
KHNP Washington DC Center
8100 Boone Blvd, Suite 620
Vienna, VA 22182

Email

kimhg1108@khnp.co.kr
hansang.kim@khnp.co.kr
dohwan.lee@khnp.co.kr
junghokim@khnp.co.kr
yunho.kim@khnp.co.kr
jiyong.oh@khnp.co.kr jiyong.oh5@gmail.com
ahn.daegeun@khnp.co.kr, daegeun.ahn@gmail.com
jksuh@khnp.co.kr
hachewung@khnp.co.kr
kang.deogji@khnp.co.kr
sunguk.kwon@khnp.co.kr
ptmaster300@kepcoco.kr

[Han-Gon Kim]
[Hansang Kim]
[Do-Hwan Lee]
[Jung-Ho Kim]
[Yun Ho Kim]
[Jeong Kwan Suh]
[Che Wung Ha]
[Deog Ji Kang]
[Sun Guk Kwon]
[Hyun Chul Park]

[Jiyong Andy Oh]
[Daegeun Tony Ahn]