



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 19.3, "BEYOND DESIGN BASIS EXTERNAL EVENT"

Dear Dr. Kim:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a Safety Evaluation (SE) with no Open Items for each chapter of the Advanced Power Reactor 1400 Design Certification Application submitted by Korea Electric Power Corporation (KEPCO) and Korea Hydro & Nuclear Power Co., Ltd. (KHNP) on December 23, 2014.

The staff's SE with no Open Items for Chapter 19.3, "Beyond Design Basis External Event," is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support upcoming meetings of the ACRS Subcommittee, scheduled to be held on February 21, 2018.

The enclosed SE with no Open Items is being provided only to KHNP for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 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 or any factual errors. 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 such exempt information or any 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 NRC's Public Document Room and the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS) 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."

H. 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/enclosure: See Next Page

SUBJECT: ADVANCED POWER REACTOR 1400 DESIGN CERTIFICATION APPLICATION -
SAFETY EVALUATION WITH OPEN ITEMS FOR CHAPTER 19.3, "BEYOND
DESIGN BASIS EXTERNAL EVENT"
DATED: 1/25/2018

DISTRIBUTION:

PUBLIC
LB2 R/F
WWard, NRO I
MMcCoppin, NRO
D101
CSmith, NRO
JSteckel, NRO
RidsNroLA
RidsNroOd
RidsNroDnrl
RidsNroDnrlLB2

ADAMS Accession Nos.:

Pkg: ML17271A087

Letter: ML17271A348

SER: ML17271A180

via-email*

NRO-002

OFFICE	DNRL/LB2: PM	DNRL/LB2: LA	DNRL/LB2: PM
NAME	JSteckel (CSantos for)	BAbeywickrama	WWard
DATE	12/12/2017	11/21/2017	1/25/2018

OFFICIAL RECORD COPY

KHNP Mailing List

3/03/2017

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

Email

kimhg1108@khnp.co.kr	[Han-Gon Kim]	
hansang.kim@khnp.co.kr	[Hansang Kim]	
dohwan.lee@khnp.co.kr	[Do-Hwan Lee]	
junghokim@khnp.co.kr	[Jung-Ho Kim]	
yunho.kim@khnp.co.kr	[Yun Ho Kim]	
jiyong.oh@khnp.co.kr	jiyong.oh5@gmail.com	[Jiyong Andy Oh]
ahn.daegeun@khnp.co.kr	daegeun.ahn@gmail.com	[Daegeun Tony Ahn]
iksuh@khnp.co.kr	[Jeong Kwan Suh]	
hachewung@khnp.co.kr	[Che Wung Ha]	
kang.deogji@khnp.co.kr	[Deog Ji Kang]	
sunguk.kwon@khnp.co.kr	[Sun Guk Kwon]	
ptmaster300@kepco.co.kr	[Hyun Chul Park]	