

October 24, 2012

MEMORANDUM TO: Hossein Hamzehee, Chief  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

FROM: William R. Ward, Senior Project Manager /RA/  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

SUBJECT: NOTICE OF FORTHCOMING PUBLIC PRE-APPLICATION MEETING  
WITH KOREA HYDRO AND NUCLEAR POWER COMPANY LTD. TO  
PRESENT ADVANCED POWER REACTOR 1400 DESIGN  
INFORMATION

DATE, TIME & LOCATION: Thursday, November 8, 2012  
8:30 a.m. - 4:15 p.m.  
U.S. Nuclear Regulatory Commission  
Two White Flint North, Room T7-A1  
11545 Rockville Pike, Rockville, MD 20852

Friday, November 9, 2012  
8:30 a.m. - 3:15 p.m.  
U.S. Nuclear Regulatory Commission  
Two White Flint North, Room T10-A1  
11545 Rockville Pike, Rockville, MD 20852

PURPOSE: Korea Hydro and Nuclear Power Company Ltd. (KHNP) will present technical information regarding the Advanced Power Reactor 1400 Design. Enclosed is the meeting agenda.

CATEGORY 1: This will be a Category 1 meeting. The public is invited to observe the meeting and will have one or more opportunities to communicate with the U.S. Nuclear Regulatory Commission (NRC) after the business portion of the meeting, but before the meeting is adjourned. Certain portions of this meeting will be closed to members of the public because the NRC staff has determined that the information is proprietary in nature. For details, please call the meeting contact listed below.

MEETING CONTACT: William R. Ward, NRO/DNRL  
301-415-7038

\*The NRC's Policy Statement, 'Enhancing Public Participation in NRC Meetings,' effective May 28, 2002, applies to this meeting. The policy statement may be found on the NRC Web site, [www.nrc.gov](http://www.nrc.gov), and contains information regarding visitors and security. (67 FR 36920)

PARTICIPANTS: Participants from the NRC include members from the Office of New Reactors (NRO).

NRO

William Ward  
Hossein Hamzehee  
Lynn Mrowca  
Deanna Zhang  
John McKirgan  
Samuel Lee  
William Roggenbrodt  
Tung Truong, et al.

KHNP

Seung Jong Oh  
Moon-Ghu Park  
Myung-Ki Kim  
Eung-Se Oh  
Kwang-Hong Kim  
Jeong-Kwan Suh  
Hyun-Seung Chang  
Jong-Tae Seo  
Seung-Min Baek  
Hang-Bae Kim  
Woong-Seok Choi  
Chang-Ho Kim  
Ho-Khan Hwang  
Young-Soo Jhun  
Ki-Tack Kim  
Jai-Hwa Yoon  
Il-Hee Jung  
Ji-Hwang Park  
Young-Tae Moon  
Chang-Nam Lee  
Tae-Won Chung  
Jeong-Heong Bang  
Young-Ho In (MARACOR)

OTHER INFORMATION:

For additional details, please contact *William R. Ward* at 301-415-7038 or *WilliamWard@nrc.gov*. The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in this meeting (e.g., a translator, handicapped accessibility) or need this meeting notice, the transcript, or other information from the meeting in another format (e.g., Braille, large print, a language other than English), please notify the NRC's meeting contact. Determinations on requests for reasonable accommodations will be made on a case-by-case basis.

Since meetings are sometimes canceled or rescheduled as a result of unforeseen circumstances such as severe weather, confirm the meeting schedule with the meeting contact.

Project No.: 0782

Enclosure:  
Meeting Agenda

cc w/ encl: See next page

**PARTICIPANTS:** Participants from the NRC include members from the Office of New Reactors (NRO).

**NRO**

William Ward  
 Hossein Hamzehee  
 Lynn Mrowca  
 Deanna Zhang  
 John McKirgan  
 Samuel Lee  
 William Roggenbrodt  
 Tung Truong, et al.

**KHNP**

Seung Jong Oh  
 Moon-Ghu Park  
 Myung-Ki Kim  
 Eung-Se Oh  
 Kwang-Hong Kim  
 Jeong-Kwan Suh  
 Hyun-Seung Chang  
 Jong-Tae Seo  
 Seung-Min Baek  
 Hang-Bae Kim  
 Woong-Seok Choi  
 Chang-Ho Kim  
 Ho-Khan Hwang  
 Young-Soo Jhun  
 Ki-Tack Kim  
 Jai-Hwa Yoon  
 Il-Hee Jung  
 Ji-Hwang Park  
 Young-Tae Moon  
 Chang-Nam Lee  
 Tae-Won Chung  
 Jeong-Heong Bang  
 Young-Ho In (MARACOR)

**OTHER INFORMATION:**

For additional details, please contact *William R. Ward* at 301-415-7038 or *WilliamWard@nrc.gov*. The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in this meeting (e.g., a translator, handicapped accessibility) or need this meeting notice, the transcript, or other information from the meeting in another format (e.g., Braille, large print, a language other than English), please notify the NRC's meeting contact. Determinations on requests for reasonable accommodations will be made on a case-by-case basis.

Since meetings are sometimes canceled or rescheduled as a result of unforeseen circumstances such as severe weather, confirm the meeting schedule with the meeting contact.

Project No.: 0782

Enclosure:  
 Meeting Agenda

cc w/ encl: See next page

**DISTRIBUTION:**

See next page

**ADAMS Accession No.: ML12297A318**

**NRC-001**

<b>OFFICE</b>	DNRL/LB2: PM	DNRL/LB2: LA	DNRL/LB2: PM
<b>NAME</b>	WWard	CMurphy (SCGreen for)	WWard (signed)
<b>DATE</b>	10/24/2012	10/24/2012	10/24/2012

**OFFICIAL RECORD COPY**

Memo to Hossein G. Hamzehee from William R. Ward dated October 24, 2012.

SUBJECT: NOTICE OF FORTHCOMING PUBLIC PRE-APPLICATION MEETING WITH  
KOREA HYDRO AND NUCLEAR POWER COMPANY LTD. TO PRESENT  
ADVANCED POWER REACTOR 1400 DESIGN INFORMATION

**DISTRIBUTION:**

PUBLIC	RidsNroLACSmith	OWFN Receptionist (Hard copy)
NMIP R/F	RidsNroDnrlNmip	TWFN Receptionist (Hard copy)
D101	RidsOpaMailCenter	RidsOgcMailCenter
PMNS	RidsNroDnrl	RidsAcraAcnwMailCenter
WWard, NRO	LMrowca,NRO	TJackson, NRO
SLee, NRO	JMcKirgan, NRO	HHamzehee, NRO

1

Meeting Agenda

Thursday, November 8, 2012  
8:30 a.m. - 4:15 p.m.

U.S. Nuclear Regulatory Commission  
Two White Flint North, Room T7-A1  
11545 Rockville Pike  
Rockville, Maryland

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	<b><u>LEAD</u></b>
8:30 a.m. - 8:50 a.m.	Room open for attendees	ALL
8:50 a.m. - 9:00 a.m.	Introductory Remarks	NRC
9:00 a.m. - 10:00 a.m.	Essential Service Water System including Ultimate Heat Sink	KHNP/NRC
10:00 a.m. - 10:15 a.m.	Break	ALL
10:15 a.m. - 11:15 a.m.	Component Cooling Water System	KHNP/NRC
11:15 a.m. - 12:15 p.m.	Essential Chilled Water System	KHNP/NRC
12:15 p.m. - 12:30 p.m.	Opportunity for Public Comment	PUBLIC/NRC
12:30 p.m. - 1:30 p.m.	Lunch	ALL
1:30 p.m. - 2:30 p.m.	Safety Related Heating, Ventilation and Air Conditioning (HVAC) System (Control Room and Engineered Safety Features (ESF) related HVAC)	KHNP/NRC
2:30 p.m. - 2:45 p.m.	Break	ALL
2:45 p.m. - 3:45 p.m.	Generic Safety Issue (GSI)-191: Assessment of Debris Accumulation on Pressurized Water Reactor Sump Performance	KHNP/NRC
3:45 p.m. - 4:00 p.m.	Opportunity for Public Comment	PUBLIC/NRC
4:00 p.m. - 4:15 p.m.	Closing comments	NRC/KHNP
4:15 p.m.	Adjourn	

## Meeting Agenda

Friday, November 9, 2012  
8:30 a.m. - 3:15 p.m.

U.S. Nuclear Regulatory Commission  
Two White Flint North, Room T10-A1  
11545 Rockville Pike  
Rockville, Maryland

<b><u>TIME</u></b>	<b><u>TOPIC</u></b>	<b><u>LEAD</u></b>
8:30 a.m. - 8:50 a.m.	Room open for attendees	ALL
8:50 a.m. - 9:00 a.m.	Introductory Remarks	NRC
9:00 a.m. - 10:00 a.m.	Discussion on PRA audit and future plans	KHNP/NRC
10:00 a.m. - 10:13 a.m.	Opportunity for Public Comment	PUBLIC/NRC
10:13 a.m. - 10:15 a.m.	Closing of the meeting to the Public	NRC
10:15 a.m. - 10:30 a.m.	Break	ALL
10:30 a.m. - 11:00 a.m.	Safety Instrumentation and Control (I&C) Licensing Overview <b>[Proprietary]</b>	KHNP/NRC
11:00 a.m. - 12:00 p.m.	Safety I&C Design Features I <b>[Proprietary]</b>	KHNP/NRC
12:00 p.m. - 1:15 p.m.	Lunch	ALL
1:15 p.m. - 3:00 p.m.	Safety I&C Design Features II <b>[Proprietary]</b>	KHNP/NRC
3:00 p.m. - 3:15 p.m.	Wrap-up/Summary of discussion	KHNP/NRC
3:15 p.m.	Adjourn	

## **KHNP Mailing List**

**10/18/2012**

Harry (Hyun Seung) Chang  
Senior Manager  
KHNP New York Office  
Parker Plaza  
400 Kelby Street, 16<sup>th</sup> Floor  
Fort Lee, NJ 07024

Moon-Ghu Park  
Project Manager/APR1400 Design  
Certification  
Korea Hydro and Nuclear Power Co.  
70-1312-gil, Yuseong-daero, Yuseong-gu,  
Daejeon, 305-343, Korea

Ki Ho Hwang  
Director of New York Office  
Korea Hydro and Nuclear Power Co.  
Parker Plaza  
400 Kelby Street, 16<sup>th</sup> Floor  
Fort Lee, NY 07024

Do-Hwan Lee  
General Manager/APR1400 Design  
Certification  
Korea Hydro and Nuclear Power Co.  
70-1312-gil, Yuseong-daero, Yuseong-gu,  
Daejeon, 305-343, Korea

Email

[hwangkho@khnp.co.kr](mailto:hwangkho@khnp.co.kr)  
[parkmoon@khnp.co.kr](mailto:parkmoon@khnp.co.kr)  
[hchang@khnp.co.kr](mailto:hchang@khnp.co.kr)  
[dhsmf@khnp.co.kr](mailto:dhsmf@khnp.co.kr)

[Ki Ho Hwang]  
[Dr. Moon-Ghu Park]  
[Harry (Hyun Seung) Chang]  
[Dr. Do-Hwan Lee]