

**KHNP****KOREA HYDRO & NUCLEAR POWER CO., LTD**

70-1312-gil, Yuseong-daero, Yuseong-gu, Daejeon, 305-343, KOREA

Tel: +82-42-870-5740 / Fax: +82-42-870-5779

http://www.khnp.co.kr

May 8, 2015
 Document Control Desk
 U.S. Nuclear Regulatory Commission
 Washington, DC 20555-0001

Attention: Mr. Jeff Ciocco
 Division of New Reactor Licensing

Docket No. 52-046
 MKD/NW-15-0012L

Subject: Submittal of Technical Reports Related to the APR1400 Design

The purpose of this letter is to transmit four (4) technical reports related to the APR1400 design. Enclosure 1 contains a copy of the associated affidavit, and the technical reports being submitted are as follows:

Enclosure #	Title	P/NP	Document #
Enclosure 2	ATWS Evaluation	P	APR1400-Z-A-NR-14014-P
Enclosure 3	ATWS Evaluation	NP	APR1400-Z-A-NR-14014-NP
Enclosure 4	Evaluations and Design Enhancements to Incorporate Lessons Learned from Fukushima Dai-Ichi Nuclear Accident	P	APR1400-E-P-NR-14005-P
Enclosure 5	Evaluations and Design Enhancements to Incorporate Lessons Learned from Fukushima Dai-Ichi Nuclear Accident	NP	APR1400-E-P-NR-14005-NP
Enclosure 6	Shutdown Evaluation Report	P	APR1400-E-N-NR-14005-P
Enclosure 7	Shutdown Evaluation Report	NP	APR1400-E-N-NR-14005-NP
Enclosure 8	Loss of Large Area Analysis Report	SRI	APR1400-E-P-NR-14004-P

If additional information or clarification is required, please contact Yunho Kim, director of KHNP Washington DC center at yunhokim@khnp.co.kr or 703-388-0592.

Sincerely,

Myung-Ki Kim
 Project Manager
 Advanced Reactors Development Laboratory
 Korea Hydro and Nuclear Power Co., Ltd

Enclosures:

1. Affidavit KAW-15-0012
2. ATWS Evaluation (Proprietary) (APR1400-Z-A-NR-14014-P)
3. ATWS Evaluation (Non-Proprietary) (APR1400-Z-A-NR-14014-NP)
4. Evaluations and Design Enhancements to Incorporate Lessons Learned from Fukushima Dai-Ichi Nuclear Accident (Proprietary) (APR1400-E-P-NR-14005-P)
5. Evaluations and Design Enhancements to Incorporate Lessons Learned from Fukushima Dai-Ichi Nuclear Accident (Non-Proprietary) (APR1400-E-P-NR-14005-NP)
6. Shutdown Evaluation Report (Proprietary) (APR1400-E-N-NR-14005-P)
7. Shutdown Evaluation Report (Non-Proprietary) (APR1400-E-N-NR-14005-NP)
8. Loss of Large Area Analysis Report (Security Related Information) (APR1400-E-P-NR-14004-P)

ENCLOSURE 1

Affidavit KAW-15-0012

I, Jae-yong Lee, state the following:

1. I am the General Manager of Korea Hydro & Nuclear Power Co., Ltd. (KHNP), and as such I am authorized to request withholding the information transmitted with this letter from public disclosure and to execute this affidavit.
2. I am familiar with the criteria applied by KHNP to determine whether certain information is proprietary, and with the policies established by KHNP to ensure the proper application of these criteria.
3. The information, APR1400-Z-A-NR-14014-P, APR1400-E-P-NR-14005-P, and APR1400-E-N-NR-14005-P, transmitted with this letter has been classified by KHNP as proprietary in accordance with the policies for the control and protection of proprietary and confidential information. The information regarded as proprietary is identified and marked consistent with the requirements of 10 CFR 2.390, § (b)(1)(i). Accordingly, the proprietary information is enclosed within brackets and the right-hand bracket carries a notation of “TS” to indicate that the trade secret nature of the information claimed to be proprietary is the basis for proposing that the information so identified be withheld from public disclosure.
4. Pursuant to the considerations set forth in 10 CFR Section 2.390(a), KHNP considers the information classified as proprietary to be “trade secret” information since it is design, analysis, or test information that would be difficult for a competitor to reproduce and hence provides an economic and competitive advantage to KHNP.
5. The need for designating the information as proprietary has been raised within KHNP. The information is being treated proprietary and confidential and has not been disclosed by KHNP to the public.
6. Nondisclosure of the proprietary information transmitted with this letter is vital to the competitiveness held by KHNP and, hence, disclosure of the proprietary information transmitted in with this letter would have negative commercial impacts on the competitive position of KHNP in the U.S. nuclear market.
7. In accordance with KHNP policy, proprietary information contained in this document may be, or may have been, made available on a limited basis to regulatory bodies, customers, potential customers, and their agents, suppliers, and licensees, and others under suitable agreements providing for nondisclosure and limited use of the information.

I declare that the foregoing statements are true and correct to the best of my knowledge, information and belief.

Executed on May 8, 2015.



Jae-yong Lee

General Manager

APR1400 Licensing Team

Central Research Institute

Korea Hydro & Nuclear Power Co., Ltd.

ENCLOSURE 2

APR1400-Z-A-NR-14014-P
“ATWS Evaluation”

(Proprietary)

November 2014

ENCLOSURE 3

APR1400-Z-A-NR-14014-NP
“ATWS Evaluation”

(Non-Proprietary)

November 2014

ENCLOSURE 4

APR1400-E-P-NR-14005-P
“Evaluations and Design Enhancements to Incorporate Lessons Learned
from Fukushima Dai-Ichi Nuclear Accident”

(Proprietary)

December 2014

ENCLOSURE 5

APR1400-E-P-NR-14005-NP
“Evaluations and Design Enhancements to Incorporate Lessons Learned
from Fukushima Dai-Ichi Nuclear Accident”

(Non-Proprietary)

December 2014

ENCLOSURE 6

APR1400-E-N-NR-14005-P
“Shutdown Evaluation Report”

(Proprietary)

December 2014

ENCLOSURE 7

APR1400-E-N-NR-14005-NP
“Shutdown Evaluation Report”

(Non-Proprietary)

December 2014

ENCLOSURE 8

APR1400-E-P-NR-14004-P
“Loss of Large Area Analysis Report”

(Security Related Information)

December 2014