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April 22, 2014

Document Control Desk

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

Attention: Mr. Jeff Ciocco

Division of New Reactor Licensing

Project No.0782

MKD/NW-14-0009L

**Subject: Submittal of Meeting Materials for the May 1-2 Pre-Application Review Meeting  
on APR1400 Design Information**

The purpose of this letter is to transmit the meeting materials for the Pre-Application Review Meeting which will be held on May 1-2 between NRC and KEPCO/KHNP.

Enclosure 1 contains one copy of the associated affidavit. Enclosure 2 provides "KHNP Responses to Request for Additional Information No. 7425" (Proprietary), and Enclosure 3 Provides "KHNP Responses to Request for Additional Information No. 7425" (Non-proprietary). Enclosure 4 provides "KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design" (Proprietary), and Enclosure 5 provides "KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design" (Non-proprietary). Enclosure 6 provides "Level of Detail for Piping Stress Analyses" (Non-proprietary), and Enclosure 7 provides "Level of Detail for Pipe Rupture Hazards Analyses" (Non-proprietary).

If the NRC has questions concerning any aspect of this submittal, please contact Yunho Kim, Director of KHNP Washington DC Center at [yunhokim@khnp.co.kr](mailto: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-14-0009
2. “KHNP Responses to Request for Additional Information No. 7425” (Proprietary)  
(APR1400-F-A-RA-14001-P)
3. “KHNP Responses to Request for Additional Information No. 7425” (Non-Proprietary)  
(APR1400-F-A-RA-14001-NP)
4. “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” (Proprietary)  
(APR1400-F-C-RA-14001-P)
5. “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” (Non-Proprietary)  
(APR1400-F-C-RA-14001-NP)
6. “Level of Detail for Piping Stress Analyses” (Non-proprietary)  
(APR1400-E-B-EC-14001-NP)
7. “Level of Detail for Pipe Rupture Hazards Analyses” (Non-proprietary)  
(APR1400-E-N-EC-14001-NP)

## **ENCLOSURE 1**

### **Affidavit KAW-14-0009**

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-F-A-RA-14001-P, APR1400-F-C-RA-14001-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 April 22, 2014.

  
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Jae-yong Lee

General Manager

APR1400 Licensing Team

Central Research Institute

Korea Hydro & Nuclear Power Co., Ltd.

**ENCLOSURE 2**

APR1400-F-A-RA-14001-P  
“KHNP Responses to Request for Additional Information No. 7425”

(Proprietary)

April 2014

**ENCLOSURE 3**

APR1400-F-A-RA-14001-NP  
“KHNP Responses to Request for Additional Information No. 7425”

(Non-Proprietary)

April 2014

**ENCLOSURE 4**

APR1400-F-C-RA-14001-P

“KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design”

(Proprietary)

April 2014

**ENCLOSURE 5**

APR1400-F-C-RA-14001-NP  
“KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design”

(Non-Proprietary)

April 2014



**ENCLOSURE 6**

APR1400-E-B-EC-14001-NP  
“Level of Detail for Piping Stress Analyses”

(Non-Proprietary)

April 2014

**ENCLOSURE 7**

APR1400-E-N-EC-14001-NP  
“Level of Detail for Pipe Rupture Hazards Analyses”

(Non-Proprietary)

April 2014