

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

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December 3, 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-15-0306L

**Subject: Submittal of Draft Presentation Materials for the December 7-8, Public Meeting  
 Related to DCD Section 3.8 and Spent Fuel Storage Rack for APR1400 Design**

The purpose of this letter is to transmit the draft presentation materials associated with APR1400 DCD Section 3.8 and Spent Fuel Storage Rack topics, which will be discussed during the December 7-8 public meeting between the NRC and KEPCO/KHNP.

Enclosure 1 contains a copy of the associated affidavit, and the draft presentation materials being submitted are as follows:

Enclosure #	Title	Date	P/ NP	Document #
Enclosure 2	Presentation on Overviews of Spent Fuel Pool Design for the APR1400	December 7	P	APR1400-E-C-EC-15010-P
Enclosure 3	Presentation on Overviews of Spent Fuel Pool Design for the APR1400	December 7	NP	APR1400-E-C-EC-15010-NP
Enclosure 4	Presentation on DCD Section 9.1.2: Overview of Seismic Analysis for the APR1400 New and Spent Fuel Racks	December 7	P	APR1400-H-N-NR-001-P
Enclosure 5	Presentation on DCD Section 9.1.2: Overview of Seismic Analysis for the APR1400 New and Spent Fuel Racks	December 7	NP	APR1400-H-N-NR-001-NP
Enclosure 6	Presentation on DCD Section 3.8: Overview of Structural Analysis and Design for the APR1400	December 7	P	APR1400-E-C-EC-15009-P
Enclosure 7	Presentation on DCD Section 3.8: Overview of Structural Analysis and Design for the APR1400	December 7	NP	APR1400-E-C-EC-15009-NP
Enclosure 8	Response to DCD Section 3.8.1 Issues - Load and Load Combination - Applicable Codes and Standards - Ultimate Pressure Capacity of the Containment - Ultimate Pressure Capacity of the Containment - Severe Accident Pressure - Structural Analysis - Critical Sections Response to DCD Section 3.8.5 Issues	December 7	NP	-



	<ul style="list-style-type: none"> <li>- Consideration of the Coefficient of Friction</li> <li>- Design of the Transition Region Between the RCB and the AB</li> <li>- Differential Settlement</li> <li>- The Adequacy of the Foundation</li> </ul>			
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If additional information or clarification is required, please contact Daegeun Ahn, Director of KHNP Washington DC Center at [ahn.daeguen@khnp.co.kr](mailto:ahn.daeguen@khnp.co.kr) or 703-388-0592.

Sincerely,

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Jae-yong Lee  
Project Manager  
Advanced Reactors Development Laboratory  
Korea Hydro and Nuclear Power Co., Ltd

Enclosures:

1. Affidavit KAW-15-0306
2. APR1400-E-C-EC-15010-P (Proprietary)
3. APR1400-E-C-EC-15010-NP (Non-Proprietary)
4. APR1400-H-N-NR-001-P (Proprietary)
5. APR1400-H-N-NR-001-NP (Non-Proprietary)
6. APR1400-E-C-EC-15009-P (Proprietary)
7. APR1400-E-C-EC-15009-NP (Non-Proprietary)
8. Response to DCD Section 3.8.1 and 3.8.5 Issues (Non-Proprietary)

## Enclosure 1

### Affidavit KAW-15-0306

I, Yun-ho Kim, 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-E-C-EC-15010-P (Proprietary) & APR1400-H-N-NR-001-P (Proprietary) & APR1400-E-C-EC-15009-P (Proprietary), 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.



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

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

Executed on December 3, 2015.

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Yun-ho Kim  
General Manager  
APR1400 Licensing Team  
Central Research Institute  
Korea Hydro and Nuclear Power Co., Ltd

**Enclosure 2**

APR1400-E-C-EC-15010-P

(Proprietary)

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**Enclosure 3**

APR1400-E-C-EC-15010-NP

(Non-Proprietary)

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**Enclosure 4**

APR1400-H-N-NR-001-P

(Proprietary)

December 3, 2015

**Enclosure 3**

APR1400-H-N-NR-001-NP

(Non-Proprietary)

December 3, 2015



**Enclosure 6**

APR1400-E-C-EC-15009-P

(Proprietary)

December 3, 2015

**Enclosure 7**

APR1400-E-C-EC-15009-NP

(Non-Proprietary)

December 3, 2015

## **Enclosure 8**

Response to DCD Section 3.8.1 and 3.8.5 Issues

(Non-Proprietary)

December 3, 2015