



**KHNP**

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May 23, 2014  
Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Mr. Jeffrey Ciocco  
Division of New Reactor Licensing

Project No.0782  
MKD/NW-14-0013L

**Subject: KHNP Response to RAI 3-7443 on Question 4, 10, 11, 12 and 18**

**Reference: 1) NRC Request for Additional Information 3-7443, dated March 25, 2014**

**2) KHNP Letter MKD/NW-14-0010L: KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0, dated April 23, 2014**

KHNP is hereby submitting response to the Request for Additional Information (RAI) 3-7443, dated March 25, 2014. This RAI response addresses questions 4, 10, 11, 12 and 18 of the RAI 3-7443.

The response to the remaining questions will be submitted later as previously communicated: Questions 1, 6, 7, 8, 9, 13, 14, 15, 16 and 17 will be responded by June 23, 2014.

Enclosure 1 contains one copy of the associated affidavit. Enclosure 2 provides KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0 (Proprietary), and Enclosure 3 provides KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0 (Non-proprietary).

If additional information or clarification is required, 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



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Enclosure:

1. Affidavit KAW-14-0013
2. KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0 (Proprietary)
3. KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0 (Non-Proprietary)

Cc: Mr. Samuel S. Lee

## ENCLOSURE 1

### Affidavit KAW-14-0013

I, Jae-yong Lee, state the following:

1. I am the Director 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, KHNP Response to RAI 3-7443 on Topical Report “KCE-1 Critical Heat Flux Correlation for PLUS7 Thermal Design” APR1400-F-C-TR-12002-P, Rev. 0 (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



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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 23, 2014.

Jae-yong Lee

Director

APR1400 Licensing Team

Korea Hydro & Nuclear Power Co., Ltd.