



**KHNP**

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August 1, 2016  
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-16-0837L

**Subject: Revised Response to RAI 419-8517 for the Question 04.03-8**

**References: 1) NRC Request for Additional Information 419-8517, dated February 23, 2016**  
**2) KHNP Letter MKD/NW-16-0285L, Response to RAI 419-8517 for Questions 04.03-8 and 04.03-9, dated April 2, 2016**  
**3) KHNP Letter MKD/NW-16-0351L, Response to RAI 419-8517 for Question 04.03-7, dated April 19, 2016**

KHNP is hereby submitting the response to RAI 419-8517, dated February 23, 2016. The RAI revised response to Question 04.03-8 is to provide the detailed description of the source of the gadolinium isotopic data used by DIT/ROCS and the relevant reference.

Enclosure 1 contains a copy of the associated affidavit from KHNP. Enclosure 2 contains a copy of the associated affidavit from Westinghouse Electric Company. Enclosure 3 provides the revised response to RAI 419-8517 for the Question 04.03-8 (Proprietary). Enclosure 4 provides the revised response to RAI 419-8517 for the Question 04.03-8 (Non-Proprietary).

If additional information or clarification is required, please contact Daegeun Ahn, Director of KHNP Washington DC Center at [ahn.daegeun@khnp.co.kr](mailto:ahn.daegeun@khnp.co.kr) or 703-388-0592.

Sincerely,

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

Enclosures:

1. Affidavit KAW-16-0837
2. Affidavit CAW-16-4418
3. Revised Response to RAI 419-8517 for the Question 04.03-8 (Proprietary)
4. Revised Response to RAI 419-8517 for the Question 04.03-8 (Non-Proprietary)

## **Enclosure 1**

### **Affidavit KAW-16-0837**

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, Revised Response to RAI 419-8517 for the Question 04.03-8 (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.

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

Executed on August 1, 2016.



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

**Enclosure 2**

Affidavit CAW-16-4418

(Proprietary)

August 1, 2016

**Enclosure 3**

Revised Response to RAI 419-8517 for the Question 04.03-8

(Proprietary)

August 1, 2016

## **Enclosure 4**

Revised Response to RAI 419-8517 for the Question 04.03-8

(Non-Proprietary)

August 1, 2016