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June 10, 2016

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U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

Attention: Mr. Jeff Ciocco  
Division of New Reactor Licensing

Docket No. 52-046  
MKD/NW-16-0618L

**Subject: Response to RAI 420-8482 for Question 19.03-31**

**References:** 1) NRC Request for Additional Information 420-8482, dated February 29, 2016  
2) KHNP Letter MKD/NW-16-0348L, Response to RAI 420-8482 for Question 19.03-32, dated April 18, 2016  
3) KHNP Letter MKD/NW-16-0409L, Response to RAI 420-8482 for Question 19.03-39, dated April 22, 2016  
4) KHNP Letter MKD/NW-16-0427L, Response to RAI 420-8482 for Questions 19.03-34, 19.03-36, and 19.03-38, dated April 29, 2016  
5) KHNP Letter MKD/NW-16-0538L, Response to RAI 420-8482 for Question 19.03-33, dated May 23, 2016  
6) KHNP Letter MKD/NW-16-0589L, Response to RAI 420-8482 for Question 19.03-30, dated June 3, 2016

KHNP is hereby submitting the response to RAI 420-8482, dated February 29, 2016. The response addresses Question 19.03-31. The enclosure provides the response to RAI 420-8482 for Question 19.03-31 (Non-Proprietary).

The responses to the remaining questions will be submitted later: Questions 19.03-35 and 19.03-37 will be responded to by June 20, 2016.

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

Enclosure: Response to RAI 420-8482 for Question 19.03-31 (Non-Proprietary)

**Enclosure**

Response to RAI 420-8482 for Question 19.03-31

(Non-Proprietary)

June 10, 2016