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July 14, 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-16-0758L

Subject: Response to RAI 432-8377 for Questions 19-54 and 19-55

- References:**
- 1) NRC Request for Additional Information 432-8377, dated March 8, 2016
 - 2) KHNP Letter MKD/NW-16-0463L, Response to RAI 198-8208, dated May 14, 2016
 - 3) KHNP Letter MKD/NW-16-0526L, Response to RAI 432-8377 for Questions 19-62, 19-63, and 19-64, dated May 20, 2016
 - 4) KHNP Letter MKD/NW-16-0574L, Response to RAI 432-8377 for Questions 19-58, 19-59, and 19-61, dated May 31, 2016
 - 5) KHNP Letter MKD/NW-16-0656L, Revised Response to RAI 432-8377 for Questions 19-66, dated May 31, 2016
 - 6) KHNP Letter MKD/NW-16-0706L, Response to RAI 432-8377 for Question 19-56, dated June 30, 2016
 - 7) KHNP Letter MKD/NW-16-0750L, Revised Response to RAI 432-8377 for Question 19-62, dated July 11, 2016

KHNP is hereby submitting the response to RAI 432-8377, dated March 8, 2016. The response addresses Questions 19-54 and 19-55. The enclosure provides the response to RAI 432-8377 for Questions 19-54 and 19-55 (Non-Proprietary).

The response to the remaining questions will be submitted later: Question 19-57 will be responded to by July 15, 2016; Question 19-60 will be responded to by July 22, 2016.

If additional information or clarification is required, please contact Daegeun Ahn, Director of KHNP Washington DC Center at 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 432-8377 for Questions 19-54 and 19-55 (Non-Proprietary)

Enclosure

Response to RAI 432-8377 for Questions 19-54 and 19-55

(Non-Proprietary)

July 14, 2016