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September 28, 2017
Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attention: Mr. William Ward
Division of New Reactor Licensing

Docket No. 52-046
MKD/NW-17-0286L

Subject: Response to RAI 434-8352 for Question 19-85

References: 1) NRC Request for Additional Information 434-8352, dated March 8, 2016

- 2) KHNP Letter MKD/NW-16-0821L, Response to RAI 434-8352 for Questions 19-86, 19-93, and 19-94, dated July 29, 2016**
- 3) KHNP Letter MKD/NW-16-0855L, Response to RAI 434-8352 for Questions 19-87, 19-89, and 19-90, dated August 4, 2016**
- 4) KHNP Letter MKD/NW-16-0862L, Response to RAI 434-8352 for Question 19-92, dated August 9, 2016**
- 5) KHNP Letter MKD/NW-16-0977L, Revised Response to RAI 434-8352 for Question 19-90, dated September 9, 2016**
- 6) KHNP Letter MKD/NW-16-1068L, Revised Response to RAI 434-8352 for Question 19-89, dated October 31, 2016**
- 7) KHNP Letter MKD/NW-16-1070L, Response to RAI 434-8352 for Question 19-88, dated October 31, 2016**
- 8) KHNP Letter MKD/NW-16-1084L, Second Revised Response to RAI 434-8352 for Question 19-90, dated November 4, 2016**
- 9) KHNP Letter MKD/NW-16-1123L, Revised Response to RAI 434-8352 for the Question 19-94, dated December 26, 2016**
- 10) KHNP Letter MKD/NW-17-0013L, Revised Response to RAI 434-8352 for the Question 19-86, dated January 13, 2017**
- 11) KHNP Letter MKD/NW-17-0269L, Revised Response to RAI 434-8352, dated September 1, 2017**
- 12) KHNP Letter MKD/NW-17-0278LL, Revised Response to RAI 434-8352 for Question 19-87, dated September 12, 2017**

KHNP is hereby submitting the response to RAI 434-8352, dated March 8, 2016. The RAI response addresses Question 19-85. The enclosure provides the response to RAI 434-8352 for Question 19-85 (Non-Proprietary) relating to PRA-based seismic margin analysis (SMA) submitted in support of a the APR1400 design certification (DC) application.

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,



Han-gon Kim
Project Manager
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Enclosure: Response to RAI 434-8352 for Question 19-85 (Non-Proprietary)

Enclosure

Response to RAI 434-8352 for Question 19-85

(Non-Proprietary)

September 28, 2017