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March 9, 2017  
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-17-0048L

**Subject: Response to RAI 434-8352 for Question 19-91**

- 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-16-1070L, Response to RAI 434-8352 for Question 19-88, dated October 31, 2016
  - 7) KHNP Letter MKD/NW-16-1068L, Revised Response to RAI 434-8352 for Question 19-89, 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

KHNP is hereby submitting the response to RAI 434-8352, dated March 8, 2016. The RAI response addresses Question 19-91. The enclosure contains the response to RAI 434-8352 for Question 19-91 (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,

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Han-gon Kim  
Project Manager  
Advanced Reactors Development Laboratory  
Korea Hydro & Nuclear Power Co., Ltd.

Enclosure: Response to RAI 434-8352 for Question 19-91 (Non-Proprietary)

**Enclosure**

Response to RAI 434-8352 for Question 19-91

(Non-Proprietary)

March 9, 2017