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May 20, 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-16-0536L

**Subject: Revised Response to RAI 225-8254 for Question 12.03-20**

- References:**
- 1) NRC Request for Additional Information RAI 225-8254, dated September 24, 2015
  - 2) KHNP Letter MKD/NW-15-0407L, Response to RAI 225-8254 for Questions on a 60-Day Response Cycle, dated December 31, 2015
  - 3) KHNP Letter MKD/NW-16-0045L, Response to RAI 225-8254 for Question 12.03-13, dated January 18, 2016
  - 4) KHNP Letter MKD/NW-16-0061L, Response to RAI 225-8254 for Question 12.03-12, dated January 26, 2016
  - 5) KHNP Letter MKD/NW-16-0075L, Response to RAI 225-8254 for Question 12.03-20 and 12.03-21, dated January 27, 2016
  - 6) KHNP Letter MKD/NW-16-0092L, Response to RAI 225-8254 for Questions 12.03-17 and 12.03-22, dated January 29, 2016
  - 7) Clarification call between NRC and KHNP conducted on February 25, 2016

KHNP is hereby submitting the revised response to RAI 225-8254, dated September 24, 2015. The RAI revised response addresses Question 12.03-20 as discussed with NRC staff during a clarification call on February 25, 2016.

Enclosure 1 provides the revised response to RAI 225-8254 for Question 12.03-20 (SRI). Enclosure 2 provides the revised response to RAI 225-8254 for Question 12.03-20 (Non-SRI).

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. Revised Response to RAI 225-8254 for Question 12.03-20 (SRI)
2. Revised Response to RAI 225-8254 for Question 12.03-20 (Non-SRI)

## **Enclosure 1**

Revised Response to RAI 225-8254 for Question 12.03-20

(SRI)

May 20, 2016

**Enclosure 2**

Revised Response to RAI 225-8254 for Question 12.03-20

(Non-SRI)

May 20, 2016