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July 7, 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-16-0738L

Subject: Revised Response to RAI 225-8254 for the Question 12.03-21 (Rev.02)

- 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-16-0122L, Response to RAI 225-8254 for Questions 12.03-17 and 12.03-22, dated January 29, 2016
 - 7) KHNP Letter MKD/NW-16-0092L, Response to RAI 225-8254 for Question 12.03-11, dated February 19, 2016
 - 8) KHNP Letter MKD/NW-16-0411L, Revised Response to RAI 225-8254 for Question 12.03-22, dated April 25, 2016
 - 9) KHNP Letter MKD/NW-16-0536L, Revised Response to RAI 225-8254 for Question 12.03-20, dated May 20, 2016
 - 10) KHNP Letter MKD/NW-16-0569L, Revised Response to RAI 225-8254 for Question 12.03-17, dated May 31, 2016
 - 11) KHNP Letter MKD/NW-16-0655L, Revised Response to RAI 225-8254 for Question 12.03-21, dated June 20, 2016

KHNP is hereby submitting the revised response to RAI 225-8254, dated September 24, 2015. The RAI revised response addresses the Question 12.03-21 to provide HICs source term details for clarification of the shielding design calculation for the waste drum area.

The enclosure provides the revised response to RAI 225-8254 for the Question 12.03-21 (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 or 703-388-0592.



KHNP
KOREA HYDRO & NUCLEAR POWER CO., LTD

Sincerely,

Jae-yong Lee
Project Manager
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Korea Hydro and Nuclear Power Co., Ltd

Enclosure: Revised Response to RAI 225-8254 for the Question 12.03-21 (Rev.02) (Non-Proprietary)

Enclosure

Revised Response to RAI 225-8254 for the Question 12.03-21 (Rev.02)

(Non-Proprietary)

July 7, 2016