

**KHNP****KOREA HYDRO & NUCLEAR POWER CO., LTD**

70-1312-gil, Yuseong-daero, Yuseong-gu, Daejeon, 305-343, KOREA

Tel: +82-42-870-5400 / Fax: +82-42-870-5449

<http://www.khnp.co.kr>

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-17-0308L

**Subject: Response to RAI 232-7864 for Question 19-10**

**References:** 1) NRC Request for Additional Information 232-7864, dated September 30, 2015  
2) KHNP Letter MKD/NW-16-0034L, Response to RAI 232-7864 for Question 19-5, dated January 13, 2016  
3) KHNP Letter MKD/NW-16-0195L, Response to RAI 232-7864 for Question 19-6, dated March 4, 2016  
4) KHNP Letter MKD/NW-16-0270L, Response to RAI 232-7864 for Question 19-9, dated March 28, 2016  
5) KHNP Letter MKD/NW-16-0408L, Revised Response to RAI 232-7864 for Question 19-6, dated April 22, 2016  
6) KHNP Letter MKD/NW-16-0616L, Response to RAI 232-7864 for Question 19-8, dated June 17, 2016  
7) KHNP Letter MKD/NW-16-0662L, Second Revised Response to RAI 232-7864 for Question 19-6, dated June 23, 2016  
8) KHNP Letter MKD/NW-16-0801L, Third Revised Response to RAI 232-7864 for Question 19-6, dated July 21, 2016  
9) KHNP Letter MKD/NW-16-0857L, Response to RAI 232-7864 for Question 19-7, dated August 4, 2016  
10) KHNP Letter MKD/NW-16-1062L, Revised Response to RAI 232-7864 for Question 19-8, dated November 4, 2016  
11) KHNP Letter MKD/NW-16-1172L, Revised Response to RAI 232-7864 for the Question 19-7, dated January 6, 2017

KHNP is hereby submitting the response to RAI 232-7864, dated September 30, 2015. The RAI response addresses Question 19-10. The enclosure provides the response to RAI 232-7864 for Question 19-10 (Non-Proprietary) relating to the seismic margin analysis (SMA) for low-power and shutdown (LPSD) conditions.

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.



**KHNP**  
KOREA HYDRO & NUCLEAR POWER CO., LTD

Sincerely,

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

Enclosure: Response to RAI 232-7864 for Question 19-10 (Non-Proprietary)

**Enclosure**

Response to RAI 232-7864 for Question 19-10

(Non-Proprietary)

September 28, 2017