

**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>

April 28, 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-16-0436L

Subject: Revised Response to RAI 174-8211 for the Question 02.03.04-5

References: 1) NRC Request for Additional Information 174-8211, dated August 26, 2015
2) KHNP Letter MKD/NW-15-0167L, Response to RAI 174-8211, dated September 25, 2015
3) KHNP Letter MKD/NW-16-0426L, Revised Response to RAI 20-7912 for the Question 02.03.04-1, dated April 27, 2016

KHNP is hereby submitting the revised response to RAI 174-8211, dated August 26, 2015. The RAI revised response addresses the Question 02.03.04-5 in response to the clarification call with NRC, dated February 3, 2015. It revised that all possible forty one (41) source-receptor combinations are described based on the new calculation of the onsite γ/Q values as shown in Reference 3. It provided the γ/Q values for north and south steam valve room releases to the both north and south control room intakes using various meteorological data.

The enclosure provides the revised response to RAI 174-8211 for the Question 02.03.04-5 (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.

Sincerely,

Jae-yong Lee
Project Manager
Advanced Reactors Development Laboratory
Korea Hydro and Nuclear Power Co., Ltd

Enclosure: Revised Response to RAI 174-8211 for the Question 02.03.04-5 (Non-Proprietary)

Enclosure

Revised Response to RAI 174-8211 for the Questions 02.03.04-5

(Non-Proprietary)

April 28, 2016