

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

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June 30, 2017

Document Control Desk

U.S. Nuclear Regulatory Commission

Washington, DC 20555-0001

Attention: Mr. William Ward
Division of New Reactor LicensingDocket No. 52-046
MKD/NW-17-0159L**Subject: Transmittal of Containment Sump pH Analysis Calculations****Reference: Advisory Committee on Reactor Safeguards full committee meeting for Chapter 6**

Korea Hydro & Nuclear Power Co., LTD (KHNP) hereby submits the containment sump pH analysis calculations in response to action items raised from ACRS full committee meeting for Chapter 6. The enclosures herewith are all the proprietary information we do not, therefore, provide the non-proprietary version of them.

Enclosure 1 contains a copy of the associated affidavit. The calculation sheets consist two parts and enclosures are as follows;

Enclosures	Title	Document Number
Enclosure 2	CONTAINMENT SUMP pH ANALYSIS (SHORT-TERM)	1-035-N387-008 (Revision 2)
Enclosure 3	CONTAINMENT SUMP pH LONG-TERM ANALYSIS	1-035-N387-009 (Revision 1)

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,

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

Enclosures:

1. Affidavit KAW-17-0159
2. 1-035-N387-008, Revision 2, "CONTAINMENT SUMP pH ANALYSIS (SHORT-TERM)" (Proprietary)



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3. 1-035-N387-009, Revision 1, "CONTAINMENT SUMP pH LONG-TERM ANALYSIS"
(Proprietary)

Enclosure 1

Affidavit KAW-17-0159

I, Yun-ho Kim, state the following:

1. I am the General Manager of Korea Hydro & Nuclear Power Co., Ltd. (KHNP), and as such I am authorized to request withholding the information transmitted with this letter from public disclosure and to execute this affidavit.
2. I am familiar with the criteria applied by KHNP to determine whether certain information is proprietary, and with the policies established by KHNP to ensure the proper application of these criteria.
3. The information, calculation sheets 1-035-N387-008, Revision 2, "CONTAINMENT SUMP pH ANALYSIS (SHORT-TERM)" (Proprietary) and 1-035-N387-009, Revision 1, "CONTAINMENT SUMP pH LONG-TERM ANALYSIS" (Proprietary), transmitted with this letter has been classified by KHNP as proprietary in accordance with the policies for the control and protection of proprietary and confidential information. The information regarded as proprietary is identified and marked consistent with the requirements of 10 CFR 2.390, § (b)(1)(i). Accordingly, the proprietary information is enclosed within brackets and the right-hand bracket carries a notation of "TS" to indicate that the trade secret nature of the information claimed to be proprietary is the basis for proposing that the information so identified be withheld from public disclosure.
4. Pursuant to the considerations set forth in 10 CFR Section 2.390(a), KHNP considers the information classified as proprietary to be "trade secret" information since it is design, analysis, or test information that would be difficult for a competitor to reproduce and hence provides an economic and competitive advantage to KHNP.
5. The need for designating the information as proprietary has been raised within KHNP. The information is being treated proprietary and confidential and has not been disclosed by KHNP to the public.
6. Nondisclosure of the proprietary information transmitted with this letter is vital to the competitiveness held by KHNP and, hence, disclosure of the proprietary information transmitted in with this letter would have negative commercial impacts on the competitive position of KHNP in the U.S. nuclear market.
7. In accordance with KHNP policy, proprietary information contained in this document may be, or may have been, made available on a limited basis to regulatory bodies, customers, potential customers, and their agents, suppliers, and licensees, and others



under suitable agreements providing for nondisclosure and limited use of the information.

I declare that the foregoing statements are true and correct to the best of my knowledge, information and belief.

Executed on June 30, 2017.

Yun-ho Kim
General Manager
APR1400 Licensing Team
Korea Hydro and Nuclear Power Co., Ltd

Enclosure 2

1-035-N387-008, Revision 2, "CONTAINMENT SUMP PH ANALYSIS
(SHORT-TERM)"

(Proprietary)

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Enclosure 3

1-035-N387-009, Revision 1, "CONTAINMENT SUMP PH LONG-
TERM ANALYSIS"

(Proprietary)

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