

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, January 11, 2016 12:51 PM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Harry (Hyun Seung) Chang; Andy Jiyong Oh; Christopher Tyree
Cc: Sastre, Eduardo; Mitchell, Matthew; Steckel, James; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 362-8445 (15.00.03 - Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors)
Attachments: APR1400 DC RAI 362 MCB 8445.pdf

KHNP,

The attachment contains the subject request for additional information (RAI). This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of RAIs. However, KHNP requests, and we grant, 60 days to respond to this RAI. We may adjust the schedule accordingly.

Please submit your RAI response to the NRC Document Control Desk.

Thank you,

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REQUEST FOR ADDITIONAL INFORMATION 362-8445

Issue Date: 01/11/2016

Application Title: APR1400 Design Certification Review – 52-046

Operating Company: Korea Hydro & Nuclear Power Co. Ltd.

Docket No. 52-046

Review Section: 15.00.03 - Design Basis Accidents Radiological Consequence Analyses for Advanced Light Water Reactors

Application Section: 15.0.3

QUESTIONS

15.00.03-31

FSAR Tier 2 Chapter 15.0.3 does not provide the data for parameters affecting the pH of the containment sump after the LOCA. The pH Calculation Report (Calc. No. 1-035-N387-008) provided for auditing to the staff under Section 6.5.2 review does not contain the estimated pH over a thirty day period. In order to ensure that the pH remains within the bounds of the pH required over the thirty day period of the event, the trend of these variables would need to be estimated and the pH calculated based on the changes in all the values affecting pH.

1. Provide the estimated pH over the thirty day period at reasonable intervals.
2. Provide the data for the thirty day period on which these calculations are based.



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