

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Tuesday, May 31, 2016 9:13 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Jung-ho Kim (jhokim082@gmail.com); Andy Jiyong Oh; Christopher Tyree
Cc: Li, Chang; Dias, Antonio; Steckel, James; Wunder, George; Williams, Donna
Subject: APR1400 Design Certification Application RAI 493-8621 (09.02.01 - Station Service Water System)
Attachments: APR1400 DC RAI 493 SPSB 8621.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, 45 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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Subject: APR1400 Design Certification Application RAI 493-8621 (09.02.01 - Station Service Water System)
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REQUEST FOR ADDITIONAL INFORMATION 493-8621

Issue Date: 05/31/2016

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 09.02.01 - Station Service Water System

Application Section:

QUESTIONS

09.02.01-9

In RAI 211-8236, Question 09.02.01-1 Part (f), the staff requested the applicant to address in the essential service water system (ESWS) the isolation of the radioactive contamination event in accordance with Standard Review Plan (SRP) Section 9.1 Subsection III.3.D.

In the response (ML16083A540), the applicant added combined license (COL) Item 9.2(38). COL 9.2(38) requires the COL applicant to provide operational procedures and maintenance programs as related to leak detection and contamination control in the ESWS.

The NRC staff reviewed the response and determined it is incomplete. SRP Section 9.2.1 Subsection III.3.D asks that the ESWS system piping and instrumentation diagrams (P&IDs) show radiation monitors located on the system discharge and at components susceptible to leakage, and these components can be isolated by one automatic and one manual valve in series. The staff reviewed the P&ID of Figure 9.2.1-1 and the RAI response, and could not find the above information. The applicant is requested to provide the isolation valve information and radiation monitors in the P&ID in accordance with the SRP guidance.



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