

KHNPDCDRAIsPEm Resource

From: Ward, William
Sent: Friday, January 22, 2016 12:19 PM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; daegeun.ahn@gmail.com; Andy Jiyong Oh; Mannon, Steven (steven.mannon@aecom.com)
Cc: Lee, Samuel; Ciocco, Jeff; Hernandez, Raul; Dias, Antonio; Ng, Ronnie
Subject: APR1400 Design Certification Application RAI 372-8461 (3.6.1 - Plant Design for Protection Against Postulated Piping Failures in Fluid Sys. Outside Containment)
Attachments: APR1400 DC RAI 372 SPSB 8461.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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Subject: APR1400 Design Certification Application RAI 372-8461 (3.6.1 - Plant Design for Protection Against Postulated Piping Failures in Fluid Sys. Outside Containment)
Sent Date: 1/22/2016 12:19:25 PM
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REQUEST FOR ADDITIONAL INFORMATION 372-8461

Issue Date: 01/22/2016

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 03.06.01 - Plant Design for Protection Against Postulated Piping Failures in Fluid Systems Outside Containment

Application Section: Section 3.6.1

QUESTIONS

03.06.01-1

On August 26, 2015, KHNP submitted its response to RAI 78-8021, Question 14.03.03-2 (ML15238B430). The applicant provided proposed changes to DCD Tier 2 in Table 3.6-1 to be consistent with Tier 1. The staff evaluated the proposed changes and determined the proposed changes will eliminate inconsistencies in Tier 1 and Tier 2 sections. Therefore, the changes are acceptable.

However, the staff identified that additional information is required. The applicant has created individual ITAACs for each high and moderate energy system to reconcile the pipe rupture hazards analyses report with the as-built layout of the plant. The staff has identified two system from DCD Tier 1, Table 2.3-3 that do not have a corresponding ITAAC requiring the reconciliation of the pipe rupture hazards analyses report.

The staff requests the applicant to create an ITAAC verifying the pipe rupture hazards analyses for the Auxiliary Steam System and the Compress Air System.