

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Thursday, July 16, 2015 7:30 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Harry (Hyun Seung) Chang; Yunho Kim; Christopher Tyree
Cc: Stubbs, Angelo; Dias, Antonio; Betancourt, Luis; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 82-8002 (10.04.07 - Condensate and Feedwater System)
Attachments: APR1400 DC RAI 82 SPSB 8002.pdf; image001.jpg

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.

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

Thank you,

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Hearing Identifier: KHNP_APR1400_DCD_RAI_Public
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Subject: APR1400 Design Certification Application RAI 82-8002 (10.04.07 - Condensate and Feedwater System)
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Priority: Standard
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Request for Additional Information 82-8002

Issue Date: 07/16/2015

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 10.04.07 - Condensate and Feedwater System

Application Section:

QUESTIONS

10.04.07-1

DCD Tier 2, Section 10.4.7.6, “Water Hammer,” states that “the COL applicant is to provide operating procedures in accordance with NUREG-0927 and a milestone schedule for implementation of the procedures (COL 10.4(6)).” It also states that the procedures are to address:

- a. Prevention of rapid valve motion
- b. Introduction of voids into water-filled lines and components
- c. Proper filling and venting of water-filled lines and components
- d. Introduction of steam or heated water that can flash into water-filled lines and components
- e. Introduction of water into steam-filled lines or components
- f. Proper warmup of steam-filled lines
- g. Proper drainage of steam-filled lines
- h. Effects of valve alignments on line conditions

However in DCD Tier 2, Section 10.4.11, “Combined License Information”, the COL item only states the following:

COL 10.4(6) The COL applicant is to provide operating and maintenance procedures for the following items in accordance with NUREG-0927 and a milestone schedule for implementation of the procedures.

The COL Item included in DCD Tier 2, Section 10.4.11 does not identify what items the operating and maintenance procedures need to address and is not consistent with description of the COL item in DCD Tier 2 Section 10.4.7.6.

The applicant is requested to revise the COL item to clearly identify the information that needs to be provided by the COL applicant. The applicant is to provide a DCD markup of this response.

