

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Wednesday, July 15, 2015 2:39 PM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Harry (Hyun Seung) Chang; Yunho Kim; Christopher Tyree
Cc: Li, Chang; Dias, Antonio; Wunder, George; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 76-8024 (09.02.05 - Ultimate Heat Sink)
Attachments: APR1400 DC RAI 76 SPSB 8024.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. However, KHNP requests, and we grant, 45 days to respond to the RAI question. We may adjust the schedule accordingly.

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 76-8024 (09.02.05 - Ultimate Heat Sink)
Sent Date: 7/15/2015 2:39:12 PM
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image001.jpg	5040	

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Priority: Standard
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REQUEST FOR ADDITIONAL INFORMATION 76-8024

Issue Date: 07/15/2015

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 09.02.05 - Ultimate Heat Sink

Application Section:

QUESTIONS

09.02.05-1

GDC 45, "Inspection of Cooling Water System," requires that the cooling water system be designed to permit appropriate periodic inspection of important components to ensure the integrity and capability of the system. Design provisions for in-service inspection of safety-related components and equipment should be provided. SRP Section 9.2.5 identifies the applicability of GDC 45 for the ultimate heat sink (UHS). Further, SRP Section 9.2.5 Subsection II.4 specifically states that UHS should provide design provisions to permit access for inservice inspection of safety-related components and equipment.

DCD Tier 2, Sections 9.2.5.4.1 and 9.2.5.4.2 describe the preoperational and inservice testing and inspection as part of conceptual design information (CDI) in the double bracket [[X]]. Therefore, the adequacy of the design provisions for testing and inspection will be reviewed for COL applications instead of the standard plant design.

The applicant is requested to provide a COL information item so that the site-specific UHS will be required to address the above SRP provisions.

