

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Thursday, June 04, 2015 1:40 PM
To: KHNPDCDRAIsPEm Resource
Cc: Ward, William; Gonzalez, Carlos
Subject: FW: APR1400 Design Certification Application RAI 6-7854 (12.5 Radiation Protection)
Attachments: APR1400 DC RAI 6 RPAC 7854.pdf; image001.jpg

From: Ward, William
Sent: Thursday, May 14, 2015 2:25 PM
To: 'apr1400rai@khnp.co.kr'; 'Harry Chang (장현승)'; 'Chang, Harry'; 'Yunho Kim (yssh8226@gmail.com)'; KHNPDCDRAIsPEm Resource
Cc: Ciocco, Jeff; Lee, Samuel; McCoppin, Michael; Stutzcage, Edward; Olson, Bruce
Subject: APR1400 Design Certification Application RAI 6-7854 (12.5 Radiation Protection)

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,

William R. Ward, P.E.
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Email Number: 26

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Subject: FW: APR1400 Design Certification Application RAI 6-7854 (12.5 Radiation Protection)
Sent Date: 6/4/2015 1:39:50 PM
Received Date: 6/4/2015 1:39:52 PM
From: Ciocco, Jeff
Created By: Jeff.Ciocco@nrc.gov

Recipients:
"Ward, William" <William.Ward@nrc.gov>
Tracking Status: None
"Gonzalez, Carlos" <Carlos.Gonzalez@nrc.gov>
Tracking Status: None
"KHNPDCDRAIsPEm Resource" <KHNPDCDRAIsPEm.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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MESSAGE	1032	6/4/2015 1:39:52 PM
APR1400 DC RAI 6 RPAC 7854.pdf		79456
image001.jpg	3989	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

Request for Additional Information 6-7854

Issue Date: 05/14/2015
Application Title: APR1400 Design Certification Review – 52-046
Operating Company: Korea Hydro & Nuclear Power Co. Ltd.
Docket No. 52-046
Review Section: 12.05 - Operational Radiation Protection Program
Application Section: 12.5

QUESTIONS

12.05-1

10 CFR Part 20 requires licensees to determine and record occupational exposures to demonstrate compliance with dose limits to adults.

DCD Table 1.9-1 provides a listing of NRC Regulatory Guides (RG) and indicates their applicability to the APR 1400 design. This table distinguishes between Regulatory Guides that are not applicable to the APR 1400 or its associated COL applicants (listed as “Not applicable” in the table) and those that are not applicable to the DCD but are applicable to the COL applicant (listed as “Not applicable (COL)” in the table). Many of the division 8 (occupational health) regulatory guides that are listed as “Not Applicable” would apply to a COL applicant and some of these RGs even have COL items associated with them. For example, RG 8.29, “Instruction Concerning Risks from Occupational Radiation Exposure” is listed as “Not applicable” in Table 1.9-1, while there is a COL item related to RG 8.29 in DCD Table 12.1.

In addition, SRP Section 12.5 indicates that the application should contain information describing the implementation of Regulatory Guide 8.4, “Direct-Reading and Indirect-Reading Pocket Dosimeters,” or provide an alternative. While DCD Table 1.9-1 indicates that RG 8.4 applies to the COL applicant, the staff cannot identify any COL item associated with RG 8.4.

1. Please update DCD Table 1.9-1 to ensure that all Regulatory Guides that would be considered applicable to a COL applicant are appropriately labeled, “Not applicable (COL).”
2. Please update DCD Section 12.1 or 12.5 to include either 1) information on compliance with RG 8.4, 2) a new or revised COL item requesting that the COL applicant provide information on how the plant follows RG 8.4, or 3) a justified alternative approach to SRP Section 12.5.

