

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, January 11, 2016 10:59 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Harry (Hyun Seung) Chang; Andy Jiyong Oh; Christopher Tyree
Cc: Gran, Zachary; McCoppin, Michael; Vera, John; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 361-8431 (11.02 - Liquid Waste Management System)
Attachments: APR1400 DC RAI 361 RPAC 8431.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.

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

Thank you,

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REQUEST FOR ADDITIONAL INFORMATION 361-8431

Issue Date: 01/11/2016
Application Title: APR1400 Design Certification Review – 52-046
Operating Company: Korea Hydro & Nuclear Power Co. Ltd.
Docket No. 52-046
Review Section: 11.02 - Liquid Waste Management System
Application Section:

QUESTIONS

11.02-9

In review of DCD section 11.2 the staff requests the applicant add a DCD table to demonstrate compliance with 10 CFR 50 Appendix I, Section II.A. Section II.A requests the applicant to demonstrate:

“The calculated annual total quantity of all radioactive material above background¹ to be released from each light-water-cooled nuclear power reactor to unrestricted areas will not result in an estimated annual dose or dose commitment from liquid effluents for any individual in an unrestricted area from all pathways of exposure in excess of 3 millirems to the total body or 10 millirems to any organ.”

The staff acknowledges the discussion in DCD section 11.2.3.1 to state the compliance with the dose objectives. However the staff requests a table demonstrating compliance in section 11.2 similar to Table 11.3-7 (sheet 1 of 3) for consistency with the DCD section 11.3.

Please address the item above and provide a mark-up on the proposed DCD changes.



U.S.NRC

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