

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Wednesday, October 14, 2015 6:42 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Andy Jiyong Oh; Harry (Hyun Seung) Chang; Christopher Tyree
Cc: Gran, Zachary; McCoppin, Michael; Olson, Bruce; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 242-8276 (11.04 - Solid Waste Management System)
Attachments: APR1400 DC RAI 242 RPAC 8276.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, 45 days to respond to the first RAI question 11.04-3. We may adjust the schedule accordingly.

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

Thank you,

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REQUEST FOR ADDITIONAL INFORMATION 242-8276

Issue Date: 10/14/2015
Application Title: APR1400 Design Certification Review – 52-046
Operating Company: Korea Hydro & Nuclear Power Co. Ltd.
Docket No. 52-046
Review Section: 11.04 - Solid Waste Management System
Application Section: 11.4

QUESTIONS

11.04-3

10 CFR 50.34a relates to identifying and providing adequate design information on the expected generation rates of waste, and subsequent storage of the waste in the temporary waste storage area.

GDC 60 relates to having the necessary provisions to handle radioactive wastes produced during normal reactor operation.

In DCD section 11.4.2 the applicant states the following:

“The temporary waste storage area is sized to accommodate the number of drums and HICs generated in a 6-month period of normal operation. The expected and maximum generation volumes, and their shipped volumes, are summarized and presented in Table 11.4-1.”

The staff is unable to verify if the information provided in Table 11.4-1 demonstrates, based on the expected generation volumes, that there is enough space to store wastes for 6 months of time.

Staff is requesting that the applicant provide the necessary information to verify the statement made in DCD section 11.4.2. Staff is requesting that the applicant provide the necessary information to verify the statement made in DCD section 11.4.2. The NRC staff would like references to plant drawings that contain the necessary information to confirm the expected area for temporary storage within the DCD, and to provide the surface area that would be utilized to store waste in the temporary storage area. NRC staff is also requesting the expected generation rate and maximum generation rate for dry active waste that would be stored in the low-level temporary waste storage area, as is described in section 11.4.2.1.1

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

11.04-4

In review of 11.4.4 “Process Control Program” the staff finds that the important document, NEI 07-10A, the “GENERIC FSAR TEMPLATE GUIDANCE FOR PROCESS CONTROL PROGRAM (PCP)” is not being referenced by the applicant or the COL action item relating to the Process Control Program. NEI 07-10A was determined to be acceptable by the staff (ML091460627) for the purpose of meeting the regulatory milestone to develop a plant-specific PCP with the format and content of the PCP, as generally described in NUREG-0133, until a plant-specific PCP is prepared before fuel load.

REQUEST FOR ADDITIONAL INFORMATION 242-8276

Staff requests that the applicant reference NEI 07-10A in DCD section 11.4.4. The staff is verifying that this was not an oversight by the applicant in development of COL action items.

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

