

KHNPDCDRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, May 09, 2016 9:56 AM
To: apr1400rai@khnp.co.kr; KHNPDCDRAIsPEm Resource; Jung-ho Kim (jhokim082@gmail.com); Andy Jiyong Oh; Christopher Tyree
Cc: Hernandez, Raul; Dias, Antonio; Wunder, George; Williams, Donna
Subject: APR1400 Design Certification Application RAI 477-8589 (09.03.01 - Compressed Air System)
Attachments: APR1400 DC RAI 477 SPSB 8589.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 this RAI. We may adjust the schedule accordingly.

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

Thank you,

Jeff Ciocco
New Nuclear Reactor Licensing
301.415.6391
jeff.ciocco@nrc.gov



Hearing Identifier: KHNP_APR1400_DCD_RAI_Public
Email Number: 530

Mail Envelope Properties (9dfc88faca424cb89322306db16a625e)

Subject: APR1400 Design Certification Application RAI 477-8589 (09.03.01 - Compressed Air System)
Sent Date: 5/9/2016 9:56:02 AM
Received Date: 5/9/2016 9:56:04 AM
From: Ciocco, Jeff

Created By: Jeff.Ciocco@nrc.gov

Recipients:

"Hernandez, Raul" <Raul.Hernandez@nrc.gov>
Tracking Status: None
"Dias, Antonio" <Antonio.Dias@nrc.gov>
Tracking Status: None
"Wunder, George" <George.Wunder@nrc.gov>
Tracking Status: None
"Williams, Donna" <Donna.Williams@nrc.gov>
Tracking Status: None
"apr1400rai@khnp.co.kr" <apr1400rai@khnp.co.kr>
Tracking Status: None
"KHNPDCDRAIsPEM Resource" <KHNPDCDRAIsPEM.Resource@nrc.gov>
Tracking Status: None
"Jungcho Kim (jhokim082@gmail.com)" <jhokim082@gmail.com>
Tracking Status: None
"Andy Jiyong Oh" <jiyong.oh5@gmail.com>
Tracking Status: None
"Christopher Tyree" <Christopher.tyree@aeacom.com>
Tracking Status: None

Post Office: HQPWMSMRS07.nrc.gov

Files	Size	Date & Time
MESSAGE	608	5/9/2016 9:56:04 AM
APR1400 DC RAI 477 SPSB 8589.pdf		100665
image001.jpg	5040	

Options

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

REQUEST FOR ADDITIONAL INFORMATION 477-8589

Issue Date: 05/09/2016
Application Title: APR1400 Design Certification Review – 52-046
Operating Company: Korea Hydro & Nuclear Power Co. Ltd.
Docket No. 52-046
Review Section: 09.03.01 - Compressed Air System
Application Section: Section 9.3.1

QUESTIONS

09.03.01-6

In RAI 87-7993 question 9.3.1-1, the staff requested the applicant to justify the use of a standard that has not been endorsed by the NRC. The applicant's response states that the new standard incorporates the guidance from the old standard; therefore, the new standard is the appropriate guidance.

The staff evaluated the applicant's response and determined that this justification does not address the staff concerns. The NRC reviews and endorses guidances independently from industry groups. In some cases the guidance is endorsed, in others the guidance may be endorsed with exceptions, clarifications, and/or limitations. In other circumstances, the guidance may not be endorsed by the NRC staff.

For instrument air quality, SRP Section 9.3.1, Revision 3, endorses the use of ANSI/ISA S7.3 R , "Quality Standard for Instrument Air." The use of any other standard would be evaluated on a case by case basis and would severely impact the review schedule. As discussed in RAI 87-7993 question 9.3.1-1, the guidance proposed by the applicant includes relaxation on the maximum allowed particulate size and the maximum pressure dew point.

The staff requests the applicant to update the DCD to reflect how the compress air system design conforms with the staff's approved air quality standard.

