

KHNPDCDRAIsPEm Resource

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Sent: Thursday, June 18, 2015 10:53 AM
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Cc: Huang, Jason; Clark, Theresa; Betancourt, Luis; Ward, William; Lee, Samuel
Subject: APR1400 Design Certification Application RAI 40-7958 (05.02.01.01 - Compliance With the Codes and Standards Rule, 10 CFR 50.55a)
Attachments: APR1400 DC RAI 40 MEB 7958.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.

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

Thank you,

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REQUEST FOR ADDITIONAL INFORMATION 40-7958

Issue Date: 06/18/2015

Application Title: APR1400 Design Certification Review – 52-046

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

Docket No. 52-046

Review Section: 05.02.01.01 - Compliance With the Codes and Standards Rule, 10 CFR 50.55a

Application Section:

QUESTIONS

05.02.01.01-2

The requirement in 10CFR50.55a(b)(1)(ii) states that when applying the 1989 Addenda through the latest edition and addenda, applicants or licensees may not apply subparagraphs NB-3683.4(c)(1) and NB-3683.4(c)(2) or Footnote 11 from the 1989 Addenda through the 2003 Addenda, or Footnote 13 from the 2004 Edition through the 2008 Addenda to Figures NC-3673.2(b)-1 and ND-3673.2(b)-1 for welds with leg size less than 1.09 tn. DCD Section 3.12.2.1 states that however, for socket weld leg dimensions, ASME Section III, Footnote 11 to Figure NC/ND-3673.2(b)-1 in the 1989 Edition is used for socket weld with leg size less than 1.09 tn instead of Footnote 13 from 2007 Edition and 2008 Addenda to Figures NC/ND- 3673.2(b)-1. This however, is not mentioned in DCD Section 5.2.1.1. The staff requests the applicant to revise DCD Section 5.2.1.1 to clearly state how they are meeting the requirements of 10CFR50.55a(b)(1)(ii) regarding weld leg dimensions.

05.02.01.01-3

The staff requests the applicant to clarify why DCD Section 5.2 references ANSI/ANS 51.1 for the reactor coolant pressure boundary (RCPB) definition instead of 10 CFR 50.2. Also the list of RCPB components in DCD Section 5.2 should include RCS safety and relief valves in accordance with 10CFR50.2. The staff requests the applicant to update DCD Section 5.2 to address these issues.

