CCNPP3COLA PEmails

From: Steckel, James
Sent: Tuesday, June 21, 2011 3:44 PM
To: CCNPP3COLA PEmails
Subject: FW: RAI No 47 CIB1 1534.doc
Attachments: RAI No 47 CIB1 1534.doc

From: Rycyna, John
Sent: Tuesday, January 27, 2009 10:54 AM
To: Poche, Robert; McQueeney, Jennifer
Cc: CCNPP3COL Resource; Davis, Robert; Terao, David; Roy, Tarun; Colaccino, Joseph; Khanna, Meena; Biggins, James; Gendelman, Adam
Subject: RAI No 47 CIB1 1534.doc

Rob,

Attached please find the subject request for additional information (RAI). A draft of the RAI was provided to you on January 12, 2008. No conference call was requested to discuss this RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

John Rycyna, PE
Sr. Project Manager
Division of New Reactor Licensing
Office of New Reactors
U.S. Nuclear Regulatory Commission
301-415-4122

Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 2170

Mail Envelope Properties (0AA17736E4C4154CA37233EEBFC8DEB27400C0E016)

Subject: FW: RAI No 47 CIB1 1534.doc
Sent Date: 6/21/2011 3:43:38 PM
Received Date: 6/21/2011 3:43:39 PM
From: Steckel, James

Created By: James.Steckel@nrc.gov

Recipients:
"CCNPP3COLA PEmails" <CCNPP3COLA.PEmails@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	1055	6/21/2011 3:43:39 PM
RAI No 47 CIB1 1534.doc	27758	

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

Request for Additional Information No. 47
1/27/2009

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 05.02.03 - Reactor Coolant Pressure Boundary Materials
Application Section: 5.2.3

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects) (CIB1)

05.02.03-1

CCNPP Unit 3 FSAR Section 5.2.3.1 states the following: The as-procured/as-built grade, type and final metallurgical conditions for reactor coolant pressure boundary components were not available at the time of this application. Any departures or differences between the as-procured/as-built grade, type and final metallurgical conditions for the reactor coolant pressure boundary materials from those listed in Table 5.2-2 of the U.S. EPR FSAR will be provided as an update to this document following procurement and fabrication of the reactor coolant pressure boundary components, and prior to fuel load.

The staff expects the COL applicant and COL holder to use those materials listed in the incorporated US EPR FSAR Table 5.2-2, which is reviewed by the NRC as part of the staff's review of the EPR design.

Please clarify the FSAR to show the applicant's intent to conform to the US EPR DCD without departures, or, if the applicant wishes to depart from the US EPR DCD, please fully detail those departures consistent with the provisions of 10 CFR Part 52.

05.02.03-2

CCNPP Unit 3 FSAR Section 5.2.3.3 states the following: As-procured fracture toughness data for reactor coolant pressure boundary components (e.g., vessels, piping, pumps and valves) composed of ferritic materials was not available at the time of this application and will be provided as an update to this document following procurement of the reactor coolant pressure boundary components and prior to fuel load.

The fracture toughness requirements for Reactor Coolant Pressure Boundary components are listed in the US EPR FSAR Section 5.2.3. "Verification." Compliance with these requirements is addressed as part of ITAAC. The staff is not aware of any requirement in the US EPR DCD or NRC regulations or guidance for COL applicants or holders to provide additional information in Section 5.2.3 related to fracture toughness for applications that reference a certified design and do not intend to take any departures from the DCD in this area. Please explain the application's apparent inconsistency with the US EPR DCD, or clarify the FSAR to comport with the US EPR DCD without departure.

05.02.03-3

CCNPP Unit 3 FSAR Section 5.2.3.4 states the following: "As-procured yield strength data for reactor coolant pressure boundary components (e.g., vessels, piping, pumps and valves) composed of austenitic stainless steel materials was not available at the time of this application and will be provided as an update to this document following procurement of the reactor coolant pressure boundary components, and prior to fuel load."

The staff is not aware of any requirement in the US EPR DCD or NRC regulations or guidance for COL applicants or holders to provide additional information in Section 5.2.3 for applications that reference a certified design and do not intend to take any departures from the DCD in this area. Please explain the application's apparent inconsistency with the US EPR DCD, or clarify the FSAR to comport with the US EPR DCD without departure.