

CCNPP3COLA PEmails

From: Rycyna, John
Sent: Monday, January 12, 2009 5:02 PM
To: Poche, Robert
Cc: CCNPP3COL Resource; Terao, David; Davis, Robert; Roy, Tarun; Colaccino, Joseph; Khanna, Meena; Biggins, James; Gendelman, Adam
Subject: Draft RAI No 47 CIB1 1534.doc (P)
Attachments: Draft RAI No 47 CIB1 1534.doc

Rob,

Attached is DRAFT RAI No. 47. You have until January 26, 2009 to review it and to decide whether you need a conference call to discuss it. After the call or after January 26, 2009 the RAI will be finalized and sent to you. You then have 30 days to respond.

John Rycyna, PE
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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: 1746

Mail Envelope Properties (499C2FC6BB962446994CA8682D8ADF3316A25ACF10)

Subject: Draft RAI No 47 CIB1 1534.doc (P)
Sent Date: 1/12/2009 5:01:40 PM
Received Date: 1/12/2009 5:01:42 PM
From: Rycyna, John

Created By: John.Rycyna@nrc.gov

Recipients:

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Tracking Status: None

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Files	Size	Date & Time
MESSAGE	439	1/12/2009 5:01:42 PM
Draft RAI No 47 CIB1 1534.doc		28270

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Request for Additional Information No. 47
DRAFT
1/12/2009

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.