

CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Friday, January 20, 2012 7:04 AM
To: 'Infanger, Paul'; 'UNECC3Project@unistarnuclear.com'
Cc: CCNPP3eRAIPEm Resource; Segala, John; Jeng, David; Wilson, Anthony; Vrahoretis, Susan; Thomas, Brian; Miernicki, Michael
Subject: Final RAI 334 SEB2 6215
Attachments: FINAL RAI 334 SEB2 6215.doc

Paul,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on January 4, 2012. In a phone call on January 17, 2012, you confirmed that no clarification was required on the question in the draft RAI and this RAI can be issued as "Final" with no changes. Accordingly, this email forwards the subject RAI for your response.

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 schedule date for submitting your technically correct and complete response will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the review schedule.

Your response letter should also include a statement confirming that the response does or does not contain any sensitive or proprietary information.

Thanks

SURINDER ARORA, PE
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From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

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Options

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Request for Additional Information No. 334 eRAI 6215)

1/20/2012

Calvert Cliffs Unit 3
UniStar

Docket No. 52-016

SRP Section: 14.03.02 - Structural and Systems Engineering - Inspections, Tests, Analyses, and
Acceptance Criteria

Application Section: FSAR 14.3.2

QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

14.03.02-19

Supplemental RAI for RAI 275 Question 14.03.02-13 (eRAI 5205)

In RAI 275, Question 14.03.02-13, the staff requested that the applicant, for Seismic Category II and II-SSE structures, provide a summary of the analysis and design approach and design results for some representative structural members, and include the information in the FSAR.

The staff reviewed the RAI response provided in UniStar Letter UN#11-246, dated September 1, 2011. The staff determined that the RAI response addresses most of the staff's concerns. However, as requested in the original RAI, the staff requests again that the applicant, for all Seismic Category II structures, include in appropriate section(s) of the FSAR all of the summary of design information provided in the response to RAI 275, Question 14.03.02-13 (which include building layout/details, acceptable codes and standards, loads and load combinations, analysis procedures, materials and acceptance criteria), and that provided in the response to RAI 315, Question 03.07.02-63.

In addition, the first sentence of the proposed markup for FSAR Section 3.7.2.8 states "The analysis and design of the Seismic Category II Turbine Building, Switchgear Building and Access Building for loads and load combinations not involving seismic loads, are performed to the same requirements as Seismic Category I structures." The phrase "not involving seismic loads" in the sentence is inconsistent with the ITAACs related to CCNPP Unit 3 Seismic Category II structures. The ITAACs state that the design of CCNPP Unit 3 Seismic Category II structures is to the same requirements as a Seismic Category I structure.

Therefore, the staff requests that the applicant explain the inconsistency and revise the FSAR accordingly.

The staff needs the above information to be able to conclude that there is reasonable assurance that the specific COL interface requirements for the CCNPP Unit 3 Seismic Category II structures have been adequately implemented and addressed in the CCNPP Unit 3 COLA.