CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Thursday, May 13, 2010 9:04 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Segala, John; Wilson, Joshua; Colaccino, Joseph; Hearn, Peter; Biggins, James; Vrahoretis, Susan
Subject: DRAFT RAI 246 SBPB 4526
Attachments: DRAFT RAI 246 SBPB 4526.doc

Rob,

Attached is DRAFT RAI No. 246 (eRAI No. 4526). You have until May 27, 2010, to review this RAI and decide whether you need a conference call to discuss the question in this RAI before the final issuance. After the phone call or on May 27, 2010, the RAI will be finalized and sent to you for response. You will then have 30 days to provide a technically complete response or an expected response date for the RAI.

Thanks.

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Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 1328

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Subject: DRAFT RAI 246 SBPB 4526
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From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Segala, John" <John.Segala@nrc.gov>
Tracking Status: None
"Wilson, Joshua" <Joshua.Wilson@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"Hearn, Peter" <Peter.Hearn@nrc.gov>
Tracking Status: None
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Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"'Poche, Robert'" <Robert.Poche@constellation.com>
Tracking Status: None
"'cc3project@constellation.com'" <cc3project@constellation.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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DRAFT RAI 246 SBPB 4526.doc	31738	

Options
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Request for Additional Information No. 246 (eRAI 4526)
DRAFT
5/13/2010

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 10.04.05 - Circulating Water System
Application Section: 10.4.5

QUESTIONS for Balance of Plant Branch 2 (SBPB)

10.04.05-4

This is a follow-up to RAI 127, Question 10.4.5-1:

To verify the CCNPP circulating water system (CWS) is in compliance with General Design Criteria (GDC) 4, the staff issued CCNPP - RAI 10.4.5-1 (RAI 127), in which the staff requested the applicant to provide additional information regarding the turbine building water level control and cooling tower and yard piping failure effects related to the CWS flood control. In its response to this RAI, in a letter dated February 4, 2010, the applicant provided additional information to address the staff's concerns in three subparts, which included: a) Potential flooding due to cooling tower basin wall collapse, b) Potential flooding due to CWS pipe failure in the yard, and c) Turbine building water level control.

The staff reviewed the RAI response and the COLA and found that additional information on the paths that the flood water would use to exit the turbine building in the event of a CWS failure, before the water level would rise to unsafe levels, is needed. In Section 10.4.5.3 of the COLA, it is stated that: “Flooding exiting the Turbine Building at grade is directed away from structures that house safety-related SSCs by site grading, so external flooding resulting from a failure in the CWS does not adversely affect safety related SSCs.” To verify this statement, the locations of the water exiting the turbine building are needed. Therefore, as a follow-up to RAI 127, Question 10.4.5-1, the staff requests the applicant to provide additional details on the specific design features (i.e. blowout panels) used to allow the flood water from a CWS system failure to exit the turbine building, including the locations of these design features and the flowpaths of the water after exiting the building to ensure that this water won't adversely affect safety related structures, systems and components. In addition, since the CWS is conceptual design information in the EPR design certification (DC) and was not included in the flood analysis described in Section 3.4.1 of the EPR DC, the staff requests the COLA applicant to provide a reference to Section 10.4.5 in Section 3.4.1 of the COLA FSAR regarding the site specific CWS flooding information. Also, provide a FSAR markup to include information from the response to this RAI.