CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Wednesday, June 23, 2010 7:54 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Samaddar, Sujit; Brown, David; Colaccino, Joseph; Biggins, James; Vrahoretis, Susan; Steckel, James; Chazell, Russell
Subject: FINAL RAI 250 RSAC 4777
Attachments: FINAL RAI 250 RSAC 4777.doc

Rob,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on June 10, 2010. As confirmed by Mr. Roger Scott on phone on June 22, 2010, UniStar does not require a clarification phone call on 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 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
PROJECT MANAGER,
Office of New Reactors
US Nuclear Regulatory Commission

Phone: 301 415-1421
FAX: 301 415-6406
Email: Surinder.Arora@nrc.gov

Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 1374

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED2774997D19)

Subject: FINAL RAI 250 RSAC 4777
Sent Date: 6/23/2010 7:53:32 AM
Received Date: 6/23/2010 7:53:34 AM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Samaddar, Sujit" <Sujit.Samaddar@nrc.gov>
Tracking Status: None
"Brown, David" <David.Brown@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"Biggins, James" <James.Biggins@nrc.gov>
Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"Steckel, James" <James.Steckel@nrc.gov>
Tracking Status: None
"Chazell, Russell" <Russell.Chazell@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

Files	**Size**	**Date & Time**
MESSAGE	1432	6/23/2010 7:53:34 AM
FINAL RAI 250 RSAC 4777.doc	33274	

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

Request for Additional Information No. 250 (eRAI 4777)

6/23/2010

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 02.03.01 - Regional Climatology
Application Section: FSAR 2.3 / Part 7: Departures and Exemption Requests

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.01-34

Title 10, CFR 52.79(d) states that the FSAR need not contain information or analyses submitted to the Commission in connection with the design certification, provided, however, that the FSAR must either include or incorporate by reference the standard design certification FSAR and must contain, in addition to the information and analyses otherwise required, information sufficient to demonstrate that the site characteristics fall within the site parameters specified in the design certification.

In FSAR Section 2.3, the applicant cites COL Information Item 2.3-1 from the U.S. EPR FSAR, which states:

- If a COL applicant that references the U.S. EPR design certification identifies site-specific meteorology values outside the range of the design parameters in Table 2.1-1, then the COL applicant will demonstrate the acceptability of the site-specific values in the appropriate sections of the COL application.

The applicant addresses this item by stating that:

- The CCNPP Unit 3 site-specific meteorology values have been reviewed and compared to determine if they are within the bounds of the assumed meteorology values for a U.S. EPR. This comparison is provided in Table 2.0-1. The CCNPP Unit 3 site-specific meteorology parameters are within the bounds of the conservative limiting meteorology values presented in Table 2.0-1.

However, there are several site characteristic values that appear in Table 2.0-1 of Rev. 6 of the FSAR that are not bounded by the EPR site parameters: (1) the maximum non-coincident wet bulb temperature value for UHS design; (2) the maximum annual average atmospheric dispersion value; and (3) the 0-2 hour accident-related atmospheric dispersion value for the outer boundary of the low population zone. Part 7 of the application addresses the latter two departures and exemptions, but the first departure regarding the UHS design temperature value is not addressed in Part 7.

Please revise FSAR Section 2.3 to incorporate a revised response to COL Information Item 2.3-1, and revise Part 7 of the application to address the additional departure.