CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Tuesday, February 02, 2010 10:04 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Terao, David; Poehler, Jeffrey; Colaccino, Joseph; Hearn, Peter; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: FINAL RAI No. 203 CIB1 4139
Attachments: FINAL RAI 203 CIB1 4139.doc

Rob,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on January 20, 2010. No clarification phone call on the draft RAI was requested by UniStar. The final RAI is being issued based on my discussion with you yesterday that no clarifications were required 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,
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US Nuclear Regulatory Commission

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Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 1198

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED2102D540C7)

Subject: FINAL RAI No. 203 CIB1 4139
Sent Date: 2/2/2010 10:04:12 AM
Received Date: 2/2/2010 10:04:25 AM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Terao, David" <David.Terao@nrc.gov>
Tracking Status: None
"Poehler, Jeffrey" <Jeffrey.Poehler@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status:: Response: None : 12/2/2009 8:06:00 AM
"Hearn, Peter" <Peter.Hearn@nrc.gov>
Tracking Status: None
"Biggins, James" <James.Biggins@nrc.gov>
Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"Hair, Christopher" <Christopher.Hair@nrc.gov>
Tracking Status:: Response: None : 12/2/2009 8:06:00 AM
"'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	1504	2/2/2010 10:04:25 AM
FINAL RAI 203 CIB1 4139.doc	30714	

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

Request for Additional Information No. 203 (eRAI 4139)

2/2/2010

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

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

10.04.05-3

Background

COL Information Item 10.4-4 requires the COL applicant to provide the specific chemicals used to support the chemical treatment system as determined by the site-specific water conditions The CCNPP Unit 3 FSAR, Section 10.4.5.2.2, provided a listing of the chemicals to be added for treatment of the circulating water system (CWS) water. The list included a corrosion inhibitor, scale inhibitor, and dispersant; however, the specific chemicals to be used were not identified because the three chemicals were described as proprietary (supplier-specific). The description of the CWS also did not identify the materials of the piping, cooling towers, or other major system components.In order to evaluate the compatibility of the treatment chemicals with the CWS materials, in RAI 129-2619 Question 10.4.5-2 the staff requested the following:

1. Identify the primary material types to be used for the piping and components of the CWS that will come in contact with the circulating water.

2. Describe the criteria or process that will be used to ensure the compatibility of the proprietary corrosion inhibitor, scale inhibitor, and dispersant with the system materials.

In response to RAI 129-2619, Question 10.4.5-2 Item 2, the applicant stated

“For CCNPP Unit 3, the water quality control focuses on corrosion/scaling control and preventing silt deposition and biofouling control. The chemicals chosen for use are compatible with the system metallurgy and are monitored for optimizing chemical feeds with periodic testing of metallic parts (using immersed metal coupons) to minimize metal loss (measured in mils per year) from the system.”

The staff found this response an acceptable description of the process to be used to ensure the CWS treatment chemicals are compatible with the CWS system materials. However, the applicant did not propose to add this information to the FSAR.

Requested Information

The staff requests that the CCNPP3 FSAR be modified to incorporate the information supplied in response to RAI 129-2619, Question 10.4.5-2 Item 2.