CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Tuesday, September 29, 2009 1:06 PM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; McCann, Edward; Jenkins, Ronaldo; Som, Swagata; Steckel, James; Colaccino, Joseph; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: FINAL RAI No. 170 EEB 3485
Attachments: FINAL RAI 170 EEB 3485.doc

Rob,

Attached please find the subject request for additional information (RAI). The draft of this RAI was provided to you on September 3, 2009. A clarification phone call on this RAI was held on September 16, 2009 and as a result of that a "typo" in the in the first statement was corrected with no other changes to the 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

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Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 999

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED08A3EC)

Subject: FINAL RAI No. 170 EEB 3485
Sent Date: 9/29/2009 1:06:28 PM
Received Date: 9/29/2009 1:06:30 PM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"McCann, Edward" <Edward.McCann@nrc.gov>
Tracking Status: None
"Jenkins, Ronaldo" <Ronaldo.Jenkins@nrc.gov>
Tracking Status: None
"Som, Swagata" <Swagata.Som@nrc.gov>
Tracking Status: None
"Steckel, James" <James.Steckel@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
"Hair, Christopher" <Christopher.Hair@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	1538	9/29/2009 1:06:30 PM
FINAL RAI 170 EEB 3485.doc	28154	

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

Request for Additional Information No. 170 (eRAI 3485)

9/29/2009

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 08.02 - Offsite Power System
Application Section: 8.2

QUESTIONS for Electrical Engineering Branch (EEB)

08.02-10

The response to RAI No. 110, Question 08.02-8 dated June 17, 2009, stated that the CCNPP3 COLA FSAR Section 2.4 on Hydrological Engineering discusses the detailed design considerations for the site specific probable maximum flood level (PMF). Section 2.4.12.5 of the FSAR states that the proposed grade elevation of the nuclear island is approximately 85 ft MSL, and the ground water elevations within the surficial aquifer range approximately from elevation 68 to 85.7 ft MSL, with the highest observed elevations occurring in the CCNPP3 power block area. Since the highest range of ground water level is above the proposed grade level of the power block, and if the switchyard is located at the same elevation as that of the nuclear island, under severe weather conditions this could potentially create water logging at the site and long term submergence of underground cables related to the switchyard. Please explain the effectiveness of the proposed dewatering systems (temporary or permanent sump pumps), including the estimated duration of submergence conditions and the monitoring system, under conditions of high ground water level at or above the proposed grade elevation, in order to protect systems, structures, and components (SSCs).