

CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Tuesday, April 13, 2010 3:02 PM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Huyck, Doug; Lee, Pete; Colaccino, Joseph; Chowdhury, Prosanta; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: DRAFT RAI 230 SEB2 4436
Attachments: DRAFT RAI 230 SEB2 4436.doc

Rob,

Attached is DRAFT RAI No. 230 (eRAI No. 4436). You have until April 27, 2010 to review it and decide whether you need a conference call to discuss any questions in this RAI before the final issuance. After the phone call or on April 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.

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: 1265

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED21A95FC9EB)

Subject: DRAFT RAI 230 SEB2 4436
Sent Date: 4/13/2010 3:01:44 PM
Received Date: 4/13/2010 3:01:50 PM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:

"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Huyck, Doug" <Doug.Huyck@nrc.gov>
Tracking Status: None
"Lee, Pete" <Pete.Lee@nrc.gov>
Tracking Status:: Response: None : 4/13/2010 1:34:00 PM
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"Chowdhury, Prosanta" <Prosanta.Chowdhury@nrc.gov>
Tracking Status:: Response: None : 4/13/2010 1:52:00 PM
"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 : 4/13/2010 1:42:00 PM
"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	644	4/13/2010 3:01:50 PM
DRAFT RAI 230 SEB2 4436.doc		30714

Options

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

Request for Additional Information No. 230 (eRAI 4436)
DRAFT
4/13/2010

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 03.08.04 - Other Seismic Category I Structures
Application Section: 3.8.4

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

03.08.04-15

The staff reviewed the response to Question 03.08.04-5 provided in UniStar UN#09-930 dated September 28, 2009 (ML092740385) and determined that the responses to Items 2 and 3 do not provide sufficient information to justify that the temperature effect (T_o) is negligible for the UHS MWIS and UHS Electrical Building, in accordance with Section 1.3 of ACI 349.1R-07 (an ACI Committee Report). The staff notes that ACI 349 code, as endorsed by Regulatory Guide 1.142, requires that T_o be included in the load combinations. In order to evaluate whether the applicant has appropriately addressed the effects of T_o , and is correct in eliminating it from the load combination $U = (0.75)(1.4D + 1.4F + 1.7L + 1.7H + 1.7SPH \text{ (replacing } W) + 1.7T_o + 1.7R_o)$ and the "Extreme Environment PMH" load combination, the staff requests that the applicant submit its technical basis for concluding that Section 1.3 of ACI 349.1R-07 is applicable and that the effects of T_o are negligible for the UHS MWIS and UHS Electrical Building.