CCNPP3COLA PEmails

From: Arora, Surinder
Sent: Monday, February 01, 2010 9:48 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Roach, Edward; Dehmel, Jean-Claude; Colaccino, Joseph; Hearn, Peter; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: FINAL RAI No. 205 CHPB 4189
Attachments: FINAL RAI 205 CHPB 4189.doc

Rob,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on January 22, 2010. A clarification phone call on the draft RAI, as requested by UniStar, was held on January 27, 2010. However, no changes were made to the RAI questions resulting from this phone call.

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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Hearing Identifier: CalvertCliffs_Unit3Cola_Public_EX
Email Number: 1199

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED2102D53C9B)

Subject: FINAL RAI No. 205 CHPB 4189
Sent Date: 2/1/2010 9:47:53 AM
Received Date: 2/1/2010 9:47:55 AM
From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3COL Resource" <CCNPP3COL.Resource@nrc.gov>
Tracking Status: None
"Roach, Edward" <Edward.Roach@nrc.gov>
Tracking Status: None
"Dehmel, Jean-Claude" <Jean-Claude.Dehmel@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	1495	2/1/2010 9:47:55 AM
FINAL RAI 205 CHPB 4189.doc	29178	

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

Request for Additional Information No. 205 (eRAI 4189)

1/22/2010

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 09.04.04 - Turbine Area Ventilation System
Application Section: 9.4.4

QUESTIONS for Health Physics Branch (CHPB)

09.04.04-2

CCNPP-3 FSAR Tier 2, Rev. 6, Section 9.4.4 and Figure 9.4-1 present information on the Turbine Building Ventilation System (TBVS). This information is new in the context that U.S. EPR FSAR Tier 2, Rev. 1, Section 9.4.4 does not present specific details; it only presents general operational functions. A review of CCNPP-3 FSAR Tier 2, Rev. 6, Section 9.4.4.2 indicates that the TBVS does not necessitate a "… realignment or operator action … in response to radiation or other safety actuation signals from the TBVS." CCNPP-3 FSAR Tier 2, Rev. 6, Section 9.4.4.3 states that the "TBVS is not exposed to any radiological contamination; therefore the requirements of GDC 60 are not applicable." Given that the exhaust from the turbine gland seal exhausters is directed and discharged via the Nuclear Auxiliary Building Exhaust, it is not clear as to what is meant by the statement that no realignment is needed in response to a radiation or other safety actuation signals from the TBVS. The applicant is requested to address this inconsistency and revise affected FSAR Tier 2, Sections to:

1. identify sources of airborne radioactivity that would trip a TBVS actuation signal and revise FSAR Tier 2, Sections 9.4.4 and 11.3;

2. describe the radiation monitoring system used to trip TBVS actuation signals and revise FSAR Tier 2, Sections 9.4.4 and 11.5;

3. describe measures to prevent TB roof exhaust ventilators and TB relief vents shown in CCNPP-3 FSAR Tier 2, Figure 9.4-1 from becoming potential sources of unmonitored and uncontrolled discharge points of radioactive materials into the environment, and revise FSAR Tier 2, Sections 9.4.4 and 11.5; and

4. provide an assessment of radiological impacts associated with airborne effluent releases from the TB roof exhaust ventilators and TB relief vents and compliance with Parts 20.1301 and 20.1302 and Part 50 Appendix I and guidance of RG 1.206 and acceptance criteria of SRP Sections 9.4, 10.4, and 11.3, and revise FSAR Tier 2, Section 11.3.