

CCNPP3COLA NPEmails

From: Arora, Surinder
Sent: Friday, January 22, 2010 10:59 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3COL Resource; Dehmel, Jean-Claude; Roach, Edward; Colaccino, Joseph; Hearn, Peter; Biggins, James; Vrahoretis, Susan; Hair, Christopher
Subject: DRAFT RAI No. 205 CHPB 4189
Attachments: DRAFT RAI 205 CHPB 4189.doc

Rob,

Attached is DRAFT RAI No. 205 (eRAI No. 4189). You have until February 5, 2010 to review it and decide whether you need a conference call to discuss any questions in the RAI before the final issuance. After the phone call or after February 5, 2009, 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.

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From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

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Request for Additional Information No. 205 (eRAI 4189)
DRAFT
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.