

CCNPP3COLA NPEmails

From: Arora, Surinder
Sent: Friday, January 22, 2010 10:42 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. 204 CHPB 4188
Attachments: DRAFT RAI 204 CHPB 4188.doc

Rob,

Attached is DRAFT RAI No. 204 (eRAI No. 4188). 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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Tracking Status: None
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Options

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Request for Additional Information No. 204 (eRAI 4188)
DRAFT
1/22/2010

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 09.02.04 - Potable and Sanitary Water Systems
Application Section: 9.2.4

QUESTIONS for Health Physics Branch (CHPB)

09.02.04-1

CCNPP-3 FSAR Tier 2, Rev. 6, Section 9.2.4 and Figure 9.2-1 present information on the potable water supply system and describe features that are used to ensure that the system is not connected to radioactive systems in order to prevent the possibility of unmonitored and uncontrolled radioactive releases. The design features include backflow preventers, siphon breakers and air gaps, and application of differential system pressures. While the staff finds these features consistent with the requirements of Part 20.1406, GDC 60 of Appendix A Part 50, and IE Bulletin 80-10, a review of FSAR Figure 9.2-1 indicates that a feature of the design includes a recirculation loop, with an isolation valve used to separate the potable water system from other plant systems servicing the nuclear power block. The safety evaluation described in CCNPP-3 FSAR Section 9.2.4.3 does not address the types of administrative control measures that will be applied to ensure that the need for recirculation is justified and that the opening of the recirculation valve is controlled to avoid inadvertent openings and that other plant systems are isolated from the potable water system during recirculation. The applicant is requested to revise the safety evaluation of the potable water system described in CCNPP-3 FSAR Section 9.2.4.3 by providing information that describes administrative control measures and/or additional design features that will ensure that the potable water system does not become contaminated whenever the system is being recirculated. (Note: A review of FSAR Figure 9.2-1 indicates that the recirculation valve and check valve/backflow preventer P&ID symbol legends are not consistent with that presented in U.S. EPR FSAR, Tier 2, Rev. 1, Figure 1.7-1. It is recommended that as part of this RAI, the applicant makes the necessary corrections to CCNPP-3 FSAR Tier 2, Figure 9.2-1 to ensure consistency in the depiction of system components.)