

CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Monday, April 25, 2011 4:19 PM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3eRAIPEm Resource; Dehmel, Jean-Claude; Colaccino, Joseph; Clark, Phyllis; Wilson, Anthony; Vrahoretis, Susan; Roach, Edward
Subject: Draft RAI 303 CHPB 5715
Attachments: Draft RAI 303 CHPB 5715.doc

Rob,

Attached is DRAFT RAI No. 303 (eRAI No. 5715). You have until May 9, 2011 to review it and decide whether you need a clarification phone call to discuss any questions in the RAI before the final issuance. After the phone call or on May 9, 2011, 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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Hearing Identifier: CalvertCliffs_Unit3Col_RAI
Email Number: 109

Mail Envelope Properties (B46615B367D1144982B324704E3BCEED6AD0498ADD)

Subject: Draft RAI 303 CHPB 5715
Sent Date: 4/25/2011 4:18:34 PM
Received Date: 4/25/2011 4:18:37 PM
From: Arora, Surinder

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Files	Size	Date & Time
MESSAGE	640	4/25/2011 4:18:37 PM
Draft RAI 303 CHPB 5715.doc		30714

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Priority: Standard
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Sensitivity: Normal
Expiration Date:
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Request for Additional Information No. 303 (eRAI 5715)
DRAFT
4/25/2011

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 11.02 - Liquid Waste Management System
Application Section: 11.2

QUESTIONS for Health Physics Branch (CHPB)

11.02-6

Supplemental question to the response of RAI 290, Q11.2-05(A).
While the response for RAI 290, Q11.02-5(A) refers to CCNPP-3 ER Section 5.3.2 for details (see p.4 of 31) on the basis of the stated "50-mile dilution factor of 296", a review of CCNPP-3 ER Section 5.3.2 (Discharge System) and Section 2.3.1.1.2.2 (Chesapeake Bay Circulation and Freshwater Flow), ER Tables 5.3-2 to 5.3-5, and ER Figure 5.3-1 indicates that the input parameters and results address near-field dilution effects, as shown in ER Figure 5.3-1 with a limited radial extent from the discharge diffuser outlet. Based on a review of CCNPP-3 ER Tables 5.3-2 to 5.3-5, the staff cannot find details on the stated "50-mile dilution factor of 296" from the information presented in the proposed revision to FSAR Tier 2, Section 11.2 and ER Sections 5.3.2 and 2.3.1.1.2.2. The staff's understanding of the CORMIX thermal plume model is that it cannot be used in developing far-field dilution factors. Provide the information and details supporting the basis of the "50-mile dilution factor of 296" given in the response to RAI 290, Q11.2-05(A).