

## CCNPP3eRAIPEm Resource

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**From:** Arora, Surinder  
**Sent:** Tuesday, May 22, 2012 12:53 PM  
**To:** Infanger, Paul; UNECC3Project@unistarnuclear.com  
**Cc:** CCNPP3eRAIPEm Resource; Segala, John; Dehmel, Jean-Claude; Sampson, Michele; Wilson, Anthony; Vrahoretis, Susan; Clark, Phyllis; McLellan, Judith  
**Subject:** CCNPP3 - Final RAI 350 RPAC 6487  
**Attachments:** FINAL RAI 350 RPAC 6487.doc

Paul,

Attached please find the subject request for additional information (RAI) pertaining to Section 11.3.3 of the CCNPP3 FSAR. The draft of this RAI was sent to you on May 11, 2012. As stated in your email dated May 21, 2012, UniStar did not require a clarification phone call to discuss the draft question of this RAI. Accordingly, this email forwards the subject RAI as "final" for your response.

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,**  
**Office of New Reactors**  
**US Nuclear Regulatory Commission**

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**From:** Arora, Surinder

**Created By:** Surinder.Arora@nrc.gov

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**Options**

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**Recipients Received:**

Request for Additional Information No. 350 (eRAI 6487)

5/22/2012

Calvert Cliffs Unit 3  
UniStar

Docket No. 52-016

SRP Section: 11.03 - Gaseous Waste Management System  
Application Section: 11.3.3.4

QUESTIONS for Radiation Protection & Accident Consequences Branch (RPAC)

11.03-4

**Supplemental question to the response of RAI 291, Question 11.03-3**

In the March 16, 2011 response to RAI 291, Question 11.03-3, the applicant proposed a revision to FSAR, Tier 2, Section 11.3.3.4 and Table 11.3-2 describing the basis of the applied atmospheric dispersion and deposition parameters. The description consists of footnotes (No. 2, 3 and 4) and data from FSAR Tier 2, Sections 2.3.5 and 11.3. A review of FSAR, Tier 2, Revision 8, Table 11.3-2 indicates that table citations, as sources of information, are inconsistent with the information presented in the response of March 16, 2011 (Letter UN#11-090). The following examples are illustrative of such inconsistencies:

1. The proposed revision to FSAR Table 11.3-2 states that the values for atmospheric dispersion parameters are from FSAR Table 11.3-10, while FSAR, Rev. 8, Table 11.3-2 instead states that the values are from FSAR Table 2.3-83. Also, the staff notes that some of the dispersion parameters given in FSAR Table 2.3-83 are different than those presented in FSAR, Rev. 8, Table 11.3-10. Differences were noted for the ENE Sector at 2, 3, 4, and 5 miles; E Sector at 2 miles; WNW Sector at 1 mile; and NW Sector at 1 mile.
2. FSAR Table 11.3-2, Footnotes No. 2, 3 and 4 refer to FSAR Section 2.3.5 tables that have no relevance to the entries in FSAR Table 11.3-2. For example, FSAR Table 2.3-91 is cited as a source of data for atmospheric dispersion parameters (X/Q), but FSAR Table 2.3-91 presents information for atmospheric deposition parameters (D/Q). Similarly, FSAR Table 2.3-90 is cited as a source of data for atmospheric dispersion parameters (X/Q) within 50 miles, but FSAR Table 2.3-90 presents information for atmospheric dispersion parameters (X/Q) for the site boundary, nearest resident, and nearest gardens for all 16 wind-rose sectors.
3. FSAR Table 11.3-2 refers to FSAR Tables 2.3-93 and 2.3-94 as sources of data for atmospheric deposition parameters (D/Q) within 50 miles, but FSAR Table 2.3-93 presents information for atmospheric deposition parameters (D/Q) for the site boundary, nearest resident, and nearest gardens; and FSAR Table 2.3-94 lists wind distances for specific dose receptor locations and wind-rose sector.

The applicant is requested to review all footnotes and table citations, given above examples, and correct inconsistencies between the proposed RAI response of March 16, 2011 and Revision 8 of the FSAR, Sections 11.3 and 2.3.5.