

## CCNPP3eRAIPEm Resource

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**From:** Arora, Surinder  
**Sent:** Tuesday, July 31, 2012 9:43 AM  
**To:** 'Infanger, Paul'; 'UNECC3Project@unistarnuclear.com'  
**Cc:** CCNPP3eRAIPEm Resource; Segala, John; Wheeler, Larry; McKenna, Eileen; Wilson, Anthony; Vrahoretis, Susan; Hearn, Peter; McLellan, Judith  
**Subject:** CCNPP3 - Final RAI 365 BPTS 6582  
**Attachments:** FINAL RAI 365 BPTS 6582.doc

Paul,

Attached is Final RAI No. 365 (eRAI No. 6582) pertaining to section 9.2.5 of the Calvert Cliffs Unit 3 FSAR. The draft of this RAI was sent to you on July 11, 2012 asking you to request a clarification call, if required, by July 25, 2012. Since you have not requested a clarification phone call as of today, it is assumed that UniStar does not require clarification call on this RAI. This email, therefore, transmits the RAI as "final" for providing your response. Note that the Question Number stated in the draft RAI has been corrected to sequentially match the previous RAIs on this section.

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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**Hearing Identifier:** CalvertCliffs\_Unit3Col\_RAI  
**Email Number:** 243

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**From:** Arora, Surinder

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

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## **Request for Additional Information 365 (eRAI 6582)**

Issue Date: 7/31/2012

Application Title: Calvert Cliffs Unit 3 - Docket Number 52-016

Operating Company: UniStar

Docket No. 52-016

Review Section: 09.02.05 - Ultimate Heat Sink

Application Section: 9.2.5

09.02.05-30

RAI Letter #518 (RAI 6122), Question 09.02.05-38 response from AREVA, dated June 25, 2012, was recently received by the NRC. This RAI is related to the ultimate heat sink (UHS) and site wet bulb temperature. In the response, the applicant revised COL Item 9.2.7 and added COL Item 9.2.11.

COL Item 9.2.7 was revised to include:

A COL applicant that references the U.S. EPR design certification will confirm that the site characteristic sum of 0% exceedance maximum non-coincident wet bulb temperature and the sites specific wet bulb correction factor does not exceed the value provided in Table 9.2.5-2. If the value in Table 9.2.5-2 is exceeded the maximum UHS cold-water return temperature of 95°F is to be confirmed by analysis (see Section 9.2.5.3.3).

COL Item 9.2.11 was added:

A COL applicant that references the U.S. EPR design certification will confirm that the maximum UHS cold-water return temperature of 95 °F is met by an analysis that confirms that the worst combination of site-specific wet bulb and dry bulb temperatures over a 24-hour period, from a 30-year hourly regional climatological data set, is bounded by the values presented in Table 9.2.5-4.

The COL applicant should address these COL Items as stated above.