

## CCNPP3eRAIPEm Resource

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**From:** Arora, Surinder  
**Sent:** Monday, June 11, 2012 8:42 AM  
**To:** Infanger, Paul; UNECC3Project@unistarnuclear.com  
**Cc:** CCNPP3eRAIPEm Resource; Segala, John; Wu, Cheng-lh; Wilson, Anthony; Vrahoretis, Susan; Colaccino, Joseph; Miernicki, Michael; McLellan, Judith  
**Subject:** CCNPP3 - Final RAI 352 EMB 6459  
**Attachments:** FINAL RAI 352 EMB 6459.doc

Paul,

Attached please find the subject request for additional information (RAI) pertaining to Section 3.9.1 of the Calvert Cliffs Unit 3 FSAR. The draft of this RAI was sent to you on May 22, 2012. As stated in the email transmitting the draft RAI, UniStar was to request a clarification call, if required, by June 6, 2012. Since no clarification call has been requested by UniStar, 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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**Hearing Identifier:** CalvertCliffs\_Unit3Col\_RAI  
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**Received Date:** 6/11/2012 8:42:24 AM  
**From:** Arora, Surinder

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

**Recipients:**

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Request for Additional Information No. 352 (eRAI 6459)

6/11/2012

Calvert Cliffs Unit 3  
UniStar

Docket No. 52-016

SRP Section: 03.09.01 - Special Topics for Mechanical Components

Application Section: 3.9.1.2

QUESTIONS for Engineering Mechanics Branch (EMB)

03.09.01-2

**Follow-up Question to RAI 138, Question 03.09.01-1:**

In its response dated September 14, 2009, to RAI 138, Question 03.09.01-1, the applicant provided two tables listing computer codes including the applicable versions and issued dates that uniquely identified programs used for the design and construction of CCNPP Unit 3 piping and supports. The staff reviewed Revision 7 to CCNPP3 FSAR and found that FSAR Section 3.9.1.2 has been revised to incorporate the CCNPP COL specific computer codes as indicated in the applicant's response including those not listed in U.S. EPR FSAR but that will be used for the design and construction of CCNPP Unit 3 piping and supports.

As such, the CCNPP Unit 3 FSAR Revision 7 addresses the COL items as follows:

Calvert Cliffs 3 Nuclear Project, LLC and UniStar Nuclear Operating Services, LLC shall perform the required pipe stress and support analysis and shall utilize a piping analysis program based on the computer codes described in U.S. EPR FSAR Section 3.9.1 and U.S. EPR FSAR Appendix 3C. In addition, CCNPP Unit 3 will utilize the piping analysis programs supplemented as amended in CCNPP Unit 3 FSAR Revision 7 Section 3.9.1.2.

Accordingly, the applicant is requested to confirm whether these new supplemented computer programs added to CCNPP Unit 3 FSAR Revision 7 Section 3.9.1.2 were previously reviewed and approved by NRC for use in design of safety related Class 1, 2 and 3 piping and supports. If not, please provide the verification and validation documentation of these additional computer codes used by CCNPP Unit 3 for staff review to ensure that they meet the quality assurance program requirements in accordance with Appendix B to 10CFR50 and ASME NQA-1 Code.