

## CCNPP3eRAIPEm Resource

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**From:** Arora, Surinder  
**Sent:** Tuesday, May 22, 2012 12:30 PM  
**To:** Infanger, Paul; UNECC3Project@unistarnuclear.com  
**Cc:** CCNPP3eRAIPEm Resource; Segala, John; Wu, Cheng-Ih; Wilson, Anthony; Vrahoretis, Susan; Colaccino, Joseph; Miernicki, Michael; McLellan, Judith  
**Subject:** CCNPP3 - Draft RAI 352 EMB 6459  
**Attachments:** DRAFT RAI 352 EMB 6459.doc

Paul,

Attached is DRAFT RAI No. 352 (eRAI No. 6459) pertinent to section 3.9.1 of the Calvert Cliffs Unit 3 FSAR. You have until June 6, 2012 to review it and decide whether you need a conference call to discuss the RAI before the final issuance. After the phone call or after June 6, 2012, the RAI will be finalized and sent to you for your response. You will then have 30 days to provide a technically complete response or an expected response date for the RAI.

Thanks

**SURINDER ARORA, PE**  
**PROJECT MANAGER,**  
**Office of New Reactors**  
**US Nuclear Regulatory Commission**

Phone: 301 415-1421  
FAX: 301 415-6406  
Email: [Surinder.Arora@nrc.gov](mailto:Surinder.Arora@nrc.gov)

**Hearing Identifier:** CalvertCliffs\_Unit3Col\_RAI  
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**Received Date:** 5/22/2012 12:30:22 PM  
**From:** Arora, Surinder

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

**Recipients:**

"CCNPP3eRAIPEm Resource" <CCNPP3eRAIPEm.Resource@nrc.gov>  
Tracking Status: None  
"Segala, John" <John.Segala@nrc.gov>  
Tracking Status: None  
"Wu, Cheng-Ih" <Cheng-Ih.Wu@nrc.gov>  
Tracking Status: None  
"Wilson, Anthony" <Anthony.Wilson@nrc.gov>  
Tracking Status: None  
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>  
Tracking Status: None  
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>  
Tracking Status: None  
"Miernicki, Michael" <Michael.Miernicki@nrc.gov>  
Tracking Status: None  
"McLellan, Judith" <Judith.McLellan@nrc.gov>  
Tracking Status: None  
"Infanger, Paul" <paul.infanger@unistarnuclear.com>  
Tracking Status: None  
"UNECC3Project@unistarnuclear.com" <UNECC3Project@unistarnuclear.com>  
Tracking Status: None

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Request for Additional Information No. 352 (eRAI 6459)  
DRAFT  
5/22/2012

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.