

## CCNPP3eRAIPEm Resource

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**From:** Arora, Surinder  
**Sent:** Tuesday, May 29, 2012 8:46 AM  
**To:** Infanger, Paul; UNECC3Project@unistarnuclear.com  
**Cc:** CCNPP3eRAIPEm Resource; Segala, John; Spicher, Terri; Wilson, Anthony; Vrahoretis, Susan; Colaccino, Joseph; Miernicki, Michael; McLellan, Judith  
**Subject:** CCNPP3 - Draft RAI 355 EMB 6522  
**Attachments:** DRAFT RAI 355 EMB 6522.doc

Paul,

Attached is DRAFT RAI No. 355 (eRAI No. 6522) pertaining to section 3.9.5 of the Calvert Cliffs Unit 3 FSAR. You have until June 12, 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 12, 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**

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**Hearing Identifier:** CalvertCliffs\_Unit3Col\_RAI  
**Email Number:** 211

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**Subject:** CCNPP3 - Draft RAI 355 EMB 6522  
**Sent Date:** 5/29/2012 8:45:41 AM  
**Received Date:** 5/29/2012 8:45:43 AM  
**From:** Arora, Surinder

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

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Request for Additional Information No. 355 (eRAI 6522)  
DRAFT  
5/29/2012

Calvert Cliffs Unit 3  
UniStar  
Docket No. 52-016  
SRP Section: 03.09.05 - Reactor Pressure Vessel Internals  
Application Section: 3.9.5

QUESTIONS for Engineering Mechanics Branch (EMB)

03.09.05-1

The Calvert Cliffs Final Safety Analysis Report (FSAR) contains COL information item 3.9-14 that states that a COL applicant that references the U.S. EPR design certification will provide a summary of reactor core support structure maximum total stress, deformation, and cumulative usage factor values for each component and each operating condition. Calvert Cliffs FSAR Subsection 3.9.5 does not provide a summary of the total stress, deformation, and cumulative usage values but indicates that this summary shall be provided and a license condition was added to Part 10 of the COLA. A license condition is not appropriate, since the staff needs this information to make a reasonable assurance finding for the design of the reactor internals prior to COL issuance. The applicant is therefore expected to update the application to include this information.