

CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Monday, September 26, 2011 3:01 PM
To: Infanger, Paul
Cc: CCNPP3eRAIPEm Resource; Colaccino, Joseph; Canova, Michael; Wilson, Anthony; Vrahoretis, Susan; Jackson, Terry; Spaulding, Deirdre
Subject: Draft RAI 326 ICE1 6067
Attachments: DRAFT RAI 326 ICE1 6067.doc

Paul,

Attached is Draft RAI No. 326 (eRAI No. 6067). You have until October 10, 2011 to review it and decide whether you need a clarification phone call to discuss the questions in the RAI before the final issuance. After the phone call or on October 10, 2011, the RAI will be finalized and sent to you for a 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

Hearing Identifier: CalvertCliffs_Unit3Col_RAI
Email Number: 147

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From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:

"CCNPP3eRAIPEm Resource" <CCNPP3eRAIPEm.Resource@nrc.gov>

Tracking Status: None

"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>

Tracking Status: None

"Canova, Michael" <Michael.Canova@nrc.gov>

Tracking Status: None

"Wilson, Anthony" <Anthony.Wilson@nrc.gov>

Tracking Status: None

"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>

Tracking Status: None

"Jackson, Terry" <Terry.Jackson@nrc.gov>

Tracking Status: None

"Spaulding, Deirdre" <Deirdre.Spaulding@nrc.gov>

Tracking Status: None

"Infanger, Paul" <paul.infanger@unistarnuclear.com>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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Request for Additional Information No. 326 (eRAI 6067)
DRAFT
9/26/2011

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 07.07 - Control Systems
Application Section: 7

QUESTIONS for Instrumentation, Controls and Electrical Engineering 1 (AP1000/EPR Projects) (ICE1)

07.07-1

Address the U.S. EPR combined license (COL) Item, regarding the primary power calorimetric uncertainty.

The staff was not able to identify where the COL Item related to the primary power calorimetric uncertainty is addressed in Section 7.7 of the Calvert Cliffs Unit 3 Final Safety Analysis Report (FSAR). In its review of the U.S. EPR design certification, the staff identified the following information, as found in FSAR Tier 2, Section 7.7.2.3.5, Interim Revision 3 mark-ups, which was provided in response to U.S. EPR RAI 442, Supplement 11, dated October 20, 2010:

A COL applicant that references the U.S. EPR design certification will, following selection of the actual plant operating instrumentation and calculation of the instrumentation uncertainties of the operating plant parameters, prior to fuel load, calculate the primary power calorimetric uncertainty. The calculations will be completed using an NRC acceptable method and confirm that the safety analysis primary power calorimetric uncertainty bounds the calculated values.

The applicant is requested to address the COL Item. If the COL Item is addressed in another part of the FSAR, then provide information pointing to that location in Section 7.7 of the FSAR.