CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Wednesday, October 12, 2011 2:32 PM
To: Infanger, Paul
Cc: CCNPP3eRAIPEm Resource; Colaccino, Joseph; Canova, Michael; Wilson, Anthony; Vrahoretis, Susan; Jackson, Terry; Spaulding, Deirdre
Subject: Final RAI 326 ICE1 6067
Attachments: FINAL RAI 326 ICE1 6067.doc

Paul,

Attached please find the subject request for additional information (RAI). The draft of this RAI was sent to you on September 26, 2011. As stated in your email of October 11, 2011, UniStar does not require a clarification phone call to discuss any of the draft questions. The RAI is, therefore, being issued as "Final".

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 of the applicable FSAR Chapter.

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,
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US Nuclear Regulatory Commission

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Hearing Identifier: CalvertCliffs_Unit3Col_RAI
Email Number: 155

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Sent Date: 10/12/2011 2:31:32 PM
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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>
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Tracking Status: None

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Request for Additional Information No. 326 (eRAI 6067)

10/12/2011

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 indentified 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.