

CCNPP3eRAIPEm Resource

From: Arora, Surinder
Sent: Tuesday, February 01, 2011 7:51 AM
To: 'Poche, Robert'; 'cc3project@constellation.com'
Cc: CCNPP3eRAIPEm Resource; Kang, Peter; Jenkins, Ronaldo; Colaccino, Joseph; Miernicki, Michael; Wilson, Anthony; Vrahoretis, Susan
Subject: Draft RAI 294 EEB 5379
Attachments: Draft RAI 294 EEB5379.doc

Rob,

Attached is Draft RAI No. 294 (eRAI No. 5379). You have until February 15, 2011 to review it and decide whether you need a clarification phone call to discuss any questions in the RAI before the final issuance. After the phone call or on February 15, 2011, the RAI will be finalized and sent to you for response. You will then have 30 days to provide a technically complete response or an expected response date for the RAI.

Thanks

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Created By: Surinder.Arora@nrc.gov

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Options

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Request for Additional Information No. 294 (eRAI 5379)
DRAFT
2/1/2011

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016

SRP Section: 03.11 - Environmental Qualification of Mechanical and Electrical Equipment
Application Section: 3.11.1.1.3

QUESTIONS for Electrical Engineering Branch (EEB)

03.11-6

In COL Information Item 3.11-2 for CCNPP Unit 3 in Section 3.11, the supplemental information includes a paragraph: "Regulatory Guide 1.131, "Qualification Tests of Electric Cables and Field Splices for Light-Water-Cooled Nuclear Power Plants" (NRC, 1977) endorses IEEE Std 383-1974, "Standard for Type Test of Class 1E Electric Cables and Field Splices for Nuclear Power Generating Stations" (IEEE,1974). These documents contain guidance for the environmental qualification of Class 1E electric cables and field splices, and will be used in conjunction with Regulatory Guide 1.89 (NRC, 1984), as appropriate, for evaluating the environmental qualification of Class 1E electric cables and field splices for site-specific portions of {UHS Makeup Water System} and Fire Protection System." For the qualification tests for power cables and field splices, subsection 3.11.2.3.6 of Section 3.11 of U.S. EPR FSAR Tier 2, references RG 1.211, "Qualification of Safety-Related Cables and Field splices for Nuclear Power Plants," that endorses the latest IEEE Std 383-2003, "IEEE Standards for Qualifying Class 1E Electric Cables and Fielded Splices for Nuclear Power Plants." The EPR FSAR also provides the basis for using RG 1.211 versus RG 1.131. Please clarify whether Section 3.11 is consistent with EPR FSAR with respect to RG 1.211, and explain the purpose for the inclusion of RG 1.131 in COL Information Item 3.11-2.