

PMNorthAnna3COLPEmails Resource

From: Barry Bryant [barry.bryant@dom.com]
Sent: Wednesday, July 13, 2011 2:11 PM
To: Patel, Chandu
Cc: Regina Borsh; David Lippard
Subject: Comment on Draft RAI No. 5848 (Chapter 19) Question

Chandu,

We have carefully reviewed the draft RAI No. 5848 (Chapter 19) questions and have a comment on the second one. This question requests Dominion to “describe potential failures associated with either the plant-specific Essential Service Water System or the plant-specific UHS that could lead to internal flooding from failures associated with these systems and how the effects of such flooding are bounded by the internal flooding analysis in the US-APWR design PRA”

We believe that this question is addressed in FSAR Section 19.1.5.3.2, Results from the Internal Flooding Risk Evaluation, which states:

“The only site-specific design that has potential effect on internal flooding risk is the site-specific UHS.

Four-train separation is maintained in the site-specific UHS design. Modeling of the site-specific UHS shows a small effect on the reliability of CCWS for internal flooding events. As was the case with the results of the Level 1 PRA for operations at power ([Subsection 19.1.4.1.2](#)), it has been determined that consideration of the site-specific UHS would have no discernible effect on the internal flooding PRA results that are based on the standard US-APWR design. Therefore, the results described below are considered sufficient and applicable.”

Please let me know whether FSAR Section 19.1.5.3.2 adequately addresses the draft question. If it does not, we would like to have a clarification call to make sure that we understand the intent of the question.

Thank you for the opportunity to review the draft questions.

Regards,

Barry

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Email Number: 980

Mail Envelope Properties (B52570EA21DB3E43BB1BB7891B06067D2505866369)

Subject: Comment on Draft RAI No. 5848 (Chapter 19) Question
Sent Date: 7/13/2011 2:11:10 PM
Received Date: 7/13/2011 2:11:14 PM
From: Barry Bryant

Created By: barry.bryant@dom.com

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Tracking Status: None

Post Office: DOM-MBX01.mbu.ad.dominionnet.com

Files	Size	Date & Time
MESSAGE	2518	7/13/2011 2:11:14 PM

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