

PMVogtleCOLPEm Resource

From: Joshi, Ravindra
Sent: Monday, May 21, 2012 8:59 AM
To: PMVogtleCOLPEm Resource
Cc: McGovern, Denise; Baval, Bruce; Tonacci, Mark; Patel, Pravin; Tegeler, Bret; Valentin, Milton; Wang, Weijun
Subject: RE: Telecon Summary--Public Conference call with Vogtle--May 16, 2012
Attachments: SEB1 comments on LAR 12 5-11-12_edits.docx

On May 16, 2012, the NRC staff (See list below) participated in a telephone conference call with Vogtle representatives (list is provided below) to discuss staff's questions related to the revised submittal for LAR 12-003:

Participants:

NRC Participants:

R. Joshi
B. Tegeler
P. Patel
M. Valentin
W. Wang
M. Sutton
B. Baval
M. Tonacci
D. McGovern

Southern Company: Wes Sparkman, Eddie Grant, Neil Haggerty, Amy Aughtman

Westinghouse: Thom Ray

Public:

Bill Jacobs, Steve Roetger, Jenifer Hall, Tom Clements, Rob Pavey

Discussion:

1. Regarding SNC's License amendment request (Revised submittal dated May 7, 2012, ML12130A468), LAR 12-003, 'Basemat Thickness Tolerance', the NRC identified several issues with the SNC's revised submittal. The staff stated that those questions (see the attached) will be submitted as RAIs to SNC to respond

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Comments on LAR 12-003R (dated May 7, 2012, ML12130A468)

PAGE 4, LAR 12-003R

- 1) "The change of the tolerance for the basemat thickness identified in the DCD to +4 inches was chosen as a standard value to be sufficient for Vogtle Units 3 and 4, and future AP1000 applications."

Why Vogtle is requesting generic application for all AP1000? LAR is plant specific and not for DCD.

- 2) "The tolerance of +1 inch in the DCD Revision 19 was determined to be a misapplication of the standard tolerance for cast in place floors during the review of the as-built mudmat elevation."

What does it mean misapplication? Is this misinterpretation for Vogtle site using ACI 117 specifications for cast in place floor provision? It is not clear to the staff.

- 3) "The assessment is documented in a calculation completed under the applicable Appendix B quality assurance program"

Staff would like to see the applicable calculation.

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- 4) "The design calculations were reviewed to determine the equations which would be impacted by an increase or decrease in cover. The affected equations were calculated for the minimum and maximum cover".

Regardless of requested change to thickness tolerance, staff expects that ACI-349 provisions relating to reinforcement cover be satisfied.

- 5) Several paragraph states in the LAR no change or no impact. However, the staff thinks that it has some negligible impact due to weight and thickness change to the basemat. The paragraph language should be change to say negligible impact or minor change.

- 6) "The analysis of the response of the reactor coolant system and core to normal operation and postulated accident conditions does not depend on the dynamic response of the nuclear island structure and, therefore, is not impacted by the increase in basemat thickness construction tolerance"

The dynamic response changes with respect to mass which is used for the frequency calculation. However it is negligible for the difference in frequency shift.