VogtlecolRAIsPEm Resource

From: Tanya Simms
Sent: Wednesday, April 22, 2009 10:41 AM
To: VogtlecolRAIsPEm Resource
Subject: Request for Additional Information Letter No. 034 Related to SRP Section 08.02 for the Vogtle Units 3 and 4 Combined License Application
Attachments: VOG-RAI-LTR-034.doc

Hearing Identifier: Vogtle_COL_eRAIs
Email Number: 37

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Subject: Request for Additional Information Letter No. 034 Related to SRP Section 08.02 for the Vogtle Units 3 and 4 Combined License Application
Sent Date: 4/22/2009 10:40:38 AM
Received Date: 4/22/2009 10:40:39 AM
From: Tanya Simms

Created By: Tanya.Simms@nrc.gov

Recipients:
"VogtlecolRAIsPEm Resource" <VogtlecolRAIsPEm.Resource@nrc.gov>
Tracking Status: None

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MESSAGE	3	4/22/2009 10:40:39 AM
VOG-RAI-LTR-034.doc	53754	

Options
Priority: Standard
Return Notification: No
Reply Requested: Yes
Sensitivity: Normal
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Recipients Received:

April 22, 2009

Mr. Joseph A. (Buzz) Miller
Senior Vice President
Southern Nuclear Operating Company
P.O. Box 1295
Birmingham, AL 35201

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 034 RELATED TO SRP SECTION 08.02 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSE APPLICATION

Dear Mr. Miller:

By letter dated March 28, 2008, Southern Nuclear Operating Company (SNC), submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-1387 or you may contact Christian Araguas, the lead project manager for the Vogtle Electric Generating Plan combined license at 301-415-3637.

Sincerely,

/**RA**/

Tanya Simms, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-025
52-026

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1387 or you may contact Christian Araguas, the lead project manager for the Vogtle Electric Generating Plan combined license at 301-415-3637.

Sincerely,

/**RA**/

Tanya Simms, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-025
52-026
eRAI Tracking No. 2339

Enclosure:
Request for Additional Information

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NAME	RJenkins*	TSimms*	AHodgdon *	CAraguas*
DATE	3/11/09	3/16/09	4/07/08	4/22/09

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information No. 2339 Revision 0
Vogtle
Southern Nuclear Operating Co.
Docket No. 52-0025 and 52-0026
SRP Section: 08.02 - Offsite Power System
Application Section: 8.2

QUESTIONS from Electrical Engineering Branch (EEB)

08.02-10

RAI-SRP 8.2-EEB-11

VEGP existing Units 1 and 2, and proposed Unit 3 share a common switchyard. Please demonstrate that such sharing will not significantly impair the ability of the switchyard components to perform their functions and that the capacity of incoming lines for each required circuit and other switchyard components will be adequately designed for the operation of the other Units.

08.02-11

RAI-SRP 8.2-EEB-12

The applicant's response to RAI 08.02-9 in a letter dated January 16, 2009, cited language in its FSAR, Section 8.2.2, where the load flow case assumptions are discussed. The applicant stated that the scheduled voltages are the worst expected voltages. These worst expected voltages will be at 15% from the pre-trip steady-state voltages. However, VEGP's response to RAI 08.02-5 states that after the loss of the largest unit in the area, the voltage will recover to a value well-within the Westinghouse requirement of +/- 20% for a transient event. Provide clarification on what is the actual worst expected switchyard voltage under any operating condition. Explain the discrepancies between these two responses.