PMVogtleCOLPEm Resource

From: Joshi, Ravindra
Sent: Monday, February 01, 2010 3:48 PM
To: Amy Aughtman; Bob Hirmanpour; Eddie Grant; Neil Haggerty; Richard Grumbir; Wes Sparkman
Cc: VogtleCOL Resource
Subject: RAI letter number 45 related SRP section 2.5.4 for Vogtle Units 3 and 4
Attachments: VOG-RAI-LTR-045.pdf

To All,

Attached is RAI letter No.45 related to SRP Section 2.5.4 for the Vogtle Units 3 and4. The ADAMS Accession number is ML100320769.

Ravi Joshi
Project Manager
NRO/DNRL/NWE1
US NRC
301-415-6191

Hearing Identifier: Vogtle_COL_Public
Email Number: 379

Mail Envelope Properties (BBC4D3C29CD0E64E9FD6CE1AF26D84D525823628E6)

Subject: RAI letter number 45 related SRP section 2.5.4 for Vogtle Units 3 and 4
Sent Date: 2/1/2010 3:48:09 PM
Received Date: 2/1/2010 3:48:11 PM
From: Joshi, Ravindra

Created By: Ravindra.Joshi@nrc.gov

Recipients:
"VogtleCOL Resource" <VogtleCOL.Resource@nrc.gov>
Tracking Status: None
"Amy Aughtman" <agaughtm@southernco.com>
Tracking Status: None
"Bob Hirmanpour" <bobhirman@live.com>
Tracking Status: None
"Eddie Grant" <erg-xl@cox.net>
Tracking Status: None
"Neil Haggerty" <neilhaggerty@comcast.net>
Tracking Status: None
"Richard Grumbir" <rgrumbir@gmail.com>
Tracking Status: None
"Wes Sparkman" <wasparkm@southernco.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	228	2/1/2010 3:48:11 PM
VOG-RAI-LTR-045.pdf	122184	

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

VogtlecolRAIsPEm Resource

From: Joshi, Ravindra
Sent: Monday, February 01, 2010 11:52 AM
To: VogtlecolRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 045 RELATED TO SRP SECTION 2.5.4 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSE APPLICATION
Attachments: VOG-RAI-LTR-045.doc

Hearing Identifier: Vogtle_COL_eRAIs
Email Number: 47

Mail Envelope Properties (BBC4D3C29CD0E64E9FD6CE1AF26D84D52582362759)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 045 RELATED TO SRP SECTION 2.5.4 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSE APPLICATION
Sent Date: 2/1/2010 11:52:23 AM
Received Date: 2/1/2010 11:52:25 AM
From: Joshi, Ravindra

Created By: Ravindra.Joshi@nrc.gov

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

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	3	2/1/2010 11:52:25 AM
VOG-RAI-LTR-045.doc	51194	

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

February 1, 2010

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 045 RELATED TO SRP SECTION 2.5.4 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 301-415-6191.

Sincerely,

/**RA**/

Ravindra G. Joshi, 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 301-415-6191.

Sincerely,

/**RA**/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-025
52-026
eRAI Tracking No. 3381

Enclosure:
Request for Additional Information

Distribution:

Public	AHodgdon	BHughes	SHaggerty
RidsNroDnrlNwe1	SCoffin	MComar	TSpicher
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SGoetz	WWang	DHabib	PMoulding
RidsRgn2MailCenter	RidsAcrsAcnwMailCenter	D McGovern	CMunson

NRO-002

OFFICE	RGS2/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CMunson*	RJoshi*	AHodgdon*	RJoshi *
DATE	8/5/09	8/6/09	8/6/09	2/1/10

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Vogtle
Southern Nuclear Operating Co.
Docket No. 52-0025 and 52-0026
SRP Section: 2.5.4- Stability of Subsurface Materials and Foundations
Application Section: 2.5.4

QUESTIONS FROM Geosciences and Geotechnical Engineering Branch 2 (RGS2)
02.05.04-5

COL FSAR Section 2.5.4 references the ESP SSAR for foundation settlement analysis; SSAR 2.5.4.10.2 “Settlement Analysis” states that the differential settlement between the nuclear island and other structures is less than 1 inch. Since AP1000 DCD Revision 17 Table 2.5-1 requires that the differential settlement between the nuclear island and other structures be less than 1/2 inch, please provide detailed information on whether your COL settlement analysis results meet the standard design requirement. In addition, provide a description of your plans to monitor the differential settlement.