

## PMVogleCOLPEm Resource

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**From:** Joshi, Ravindra  
**Sent:** Tuesday, August 04, 2009 7:36 AM  
**To:** Amy Aughtman; Bob Hirmanpour; Eddie Grant; Wes Sparkman  
**Cc:** VogleCOL Resource  
**Subject:** RAI letter 38 related to SRP section 8.2 for Vogle units 3 and 4  
**Attachments:** VOG-RAI-LTR-038.pdf

To All,

Attached is RAI letter No.38 related to SRP Section 8.2 for the Vogle Units 3 and 4. The ADAMS Accession number is ML092160007.

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

**Hearing Identifier:** Vogtle\_COL\_Public  
**Email Number:** 159

**Mail Envelope Properties** (CEEA97CC21430049B821E684512F6E5ECA55DB0784)

**Subject:** RAI letter 38 related to SRP section 8.2 for Vogtle units 3 and 4  
**Sent Date:** 8/4/2009 7:35:53 AM  
**Received Date:** 8/4/2009 7:35:55 AM  
**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  
"Wes Sparkman" <wasparkm@southernco.com>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	232	8/4/2009 7:35:55 AM
VOG-RAI-LTR-038.pdf	141124	

**Options**

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

## VoglecolRAIsPEm Resource

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**From:** Joshi, Ravindra  
**Sent:** Tuesday, August 04, 2009 7:17 AM  
**To:** VoglecolRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 038 RELATED TO SRP SECTION 8.2 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSE APPLICATION  
**Attachments:** VOG-RAI-LTR-038.doc

**Hearing Identifier:** Vogtle\_COL\_eRAIs  
**Email Number:** 42

**Mail Envelope Properties** (CEEA97CC21430049B821E684512F6E5ECA55DB074E)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 038 RELATED TO SRP SECTION 8.2 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSE APPLICATION

**Sent Date:** 8/4/2009 7:16:37 AM

**Received Date:** 8/4/2009 7:16:38 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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	8/4/2009 7:16:38 AM
VOG-RAI-LTR-038.doc	50682	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

August 4, 2008

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. 038 RELATED TO  
SRP SECTION 8.2 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. 3335

Enclosure:  
Request for Additional Information

Distribution:

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SGoetz	OChopra	DHabib	
RidsRgn2MailCenter	RidsAcrsAcnwMailCenter	CPatel	

NRO-002

OFFICE	EEB/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	TSimms for RJenkins*	TSimms*	PMoulding*	RJoshi *
DATE	7/17/09	7/17/09	7/23/09	7/29/09

\*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: 8.02- Offsite Power System**  
**Application Section: 8.2**

**QUESTIONS FROM Electrical Engineering Branch (EEB)**

08.02-12

Table 1.8-1 of the AP1000 design certification provides an interface item that states "the protective devices controlling the switchyard breakers are set with consideration given to preserving the plant grid connection following a turbine trip." This is to ensure that RCP bus voltage stays above the voltage required to maintain the flow assumed in the DCD Tier 2, Chapter 15 analyses for a minimum of 3 seconds following a turbine trip. Provide a reference to where this issue is discussed in the Vogtle application, or provide a proposed revision to the application to address the issue.