

## **VoglecolRAIsPEm Resource**

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**From:** Ravindra Joshi  
**Sent:** Friday, October 17, 2008 7:27 AM  
**To:** VoglecolRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP  
SECTION 15.00.03 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4  
COMBINED LICENSE APLPLICATION  
**Attachments:** VOG-RAI-LTR-007.doc

**Hearing Identifier:** Vogtle\_COL\_eRAIs  
**Email Number:** 10

**Mail Envelope Properties** (CEEAA97CC21430049B821E684512F6E5EAA306CB88C)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO  
SRP SECTION 15.00.03 FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4  
COMBINED LICENSE APPLICATION

**Sent Date:** 10/17/2008 7:26:59 AM

**Received Date:** 10/17/2008 7:27:02 AM

**From:** Ravindra Joshi

**Created By:** Ravindra.Joshi@nrc.gov

**Recipients:**

"VogtlecolRAIsPEm Resource" <VogtlecolRAIsPEm.Resource@nrc.gov>

Tracking Status: None

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| MESSAGE             | 3     | 10/17/2008 7:27:02 AM |
| VOG-RAI-LTR-007.doc | 50682 |                       |

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

October 17, 2008

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. 007 RELATED TO  
SRP SECTION 15.00.03 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 or you may contact Christian Araguas, the lead project manager for the Vogtle Electric Generating Plant combined license at 301-415-3637.

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 or you may contact Christian Araguas, the lead project manager for the Vogtle Electric Generating Plant combined license at 301-415-3637.

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. 1260

Enclosure:  
Request for Additional Information

Distribution:

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NRO-002

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| OFFICE | RSAC/BC  | NWE1/PM  | OGC       | NWE1/L-PM |
| NAME   | CCox*    | RJoshi*  | AHodgdon* | CAraguas* |
| DATE   | 10/03/08 | 10/06/08 | 10/06/08  | 10/07/08  |

\*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: 15.00.03- Design Basis Accidents Radiological Consequences Analyses for**  
**Advance Light Water Reactors**  
**Application Section: 15.00**

**QUESTIONS FROM SITING AND ACCIDENT CONSEQUENCE BRANCH (RSAC)**

15.00.03-1

By letter dated August 14, 2008, NRC informed the AP1000 vendor that an assumption made in evaluating the LOCA DBA for Revision 16 of the AP1000 DCD was not technically justified. Both FSAR Chapter 15 and Section 6.4 of the subject COL application incorporate by reference the design basis accident analyses in Revision 16 of the AP1000 DCD. Provide an evaluation of the LOCA that does not make use of the rejected assumption. Describe any design or siting changes that are intended to compensate for the rejected assumption.