VogtlecolRAIsPEm Resource

From: Tanya Simms
Sent: Monday, October 06, 2008 2:40 PM
To: VogtlecolRAIsPEm Resource
Subject: Request for Additional Information Letter No. 005 Related to SRP Section 09.05.02 for the Vogtle Units 3 and 4 Combined License Application
Attachments: VOG-RAI-LTR-005.doc

Hearing Identifier: Vogtle_COL_eRAIs
Email Number: 8

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Subject: Request for Additional Information Letter No. 005 Related to SRP Section 09.05.02 for the Vogtle Units 3 and 4 Combined License Application
Sent Date: 10/6/2008 2:39:36 PM
Received Date: 10/6/2008 2:39:37 PM
From: Tanya Simms

Created By: Tanya.Simms@nrc.gov

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

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VOG-RAI-LTR-005.doc	60410	

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Return Notification: No
Reply Requested: Yes
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Expiration Date:
Recipients Received:

October 6, 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. 005 RELATED TO SRP SECTION 09.05.02 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. 1211

Enclosure:
Request for Additional Information

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NAME	TJackson*	TSimms*	MSpencer*	CAraguas*
DATE	9/05/08	9/09/08	9/09/08	10/6/08

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information No. 1211 Revision 0
Vogtle
Southern Nuclear Operating Co.
Docket No. 52-0025 and 52-0026
SRP Section: 09.05.02 - Communications Systems
Application Section: 9.5.2

QUESTIONS for Instrumentation, Controls and Electrical Engineering 1 (ICE1)

09.05.02-1

Demonstrate how Nuclear Regulatory Commission (NRC) Bulletin 80-15 has been addressed in the FSAR as required by COL information item 9.5-9 (COL action item 9.5.2-3). Specifically, describe what backup power sources are available for the Emergency Notification System.

COL information item 9.5-9, which is contained in the DC-FSAR in Tier 2, Table 1.8-2 states: "Combined License applicants referencing the AP1000 certified design will address interfaces to required offsite locations; this will include addressing the recommendations of BL-80-15 (Reference 21) regarding loss of the emergency notification system (ENS) due to a loss of offsite power." The applicant has submitted VEGP COL item 9.5-9 in Section 9.5.2.5.1 of the Vogtle COL FSAR to satisfy this COL Information Item. The Vogtle FSAR Section 9.5.2.5.1 states that the Early Site Permit Application (ESPA) Emergency Plan Section F addresses VEGP COL item 9.5-9. Section F of the Emergency Plan states that the Emergency Notification System (ENS) is the primary means for communication between the site and the NRC. Demonstrate how NRC Bulletin 80-15 has been addressed. Specifically, describe the backup power sources available for the ENS in case of loss of offsite power.

09.05.02-2

Demonstrate that a sufficient backup or alternate power sources have been provided for the offsite communications systems to meet the requirements of Appendix E to 10 CFR Part 50, Part IV.E(9).

COL information item 9.5-10 (COL action item 9.5.2-1), which is contained in the DC-FSAR in Tier 2, Table 1.8-2, states: "the emergency offsite communication system, including the crisis management radio system, will be addressed by the Combined License applicant." The applicant has submitted VEGP COL item 9.5-10 in the COL FSAR to satisfy this information item. The applicant has stated in the Vogtle FSAR Section 9.5.2.5.2 that the Early Site Permit Application (ESPA) Emergency Plan Section F addresses VEGP COL item 9.5-10. Section F of the Emergency Plan states that the Emergency Notification Network is the primary means for communication between the site and the local authorities, including the State of South Carolina and Aiken, Barnwell, and Allendale Counties, and the State of Georgia and Burke County. Appendix E to 10 CFR Part 50, Part IV.E(9) requires that the sites' emergency facilities and equipment provide at least one onsite and one offsite communications system; each system shall have a backup power source. The staff has reviewed the ESPA Emergency Plan and has been unable to identify the backup power source available for the ENN. Demonstrate that a sufficient backup or alternate power sources have been provided for ENN to meet the requirements of Appendix E to 10 CFR Part 50, Part IV.E(9).

09.05.02-3

Demonstrate that a sufficient backup or alternate power sources have been provided for the offsite communications systems to meet the COL information item 9.5-10 (COL action item 9.5.2-1). Specifically, describe the design of the crisis management radio system available for emergency radio communications.

COL information item 9.5-10 (COL action item 9.5.2-1), which is contained in the DC-FSAR in Tier 2, Table 1.8-2, states: "the emergency offsite communication system, including the crisis management radio system, will be addressed by the Combined License applicant." The applicant has submitted VEGP COL item 9.5-10 in the COL FSAR to satisfy this information item. The applicant has stated in the Vogtle FSAR Section 9.5.2.5.2 that the Early Site Permit Application (ESPA) Emergency Plan Section F addresses VEGP COL item 9.5-10. Section F of the Emergency Plan states that communications among the Control Room, Technical Support Center (TSC), Operations Support Center (OSC), and Emergency Operations Facility (EOF) will be completed using dedicated telephone circuits, normal plant telephones, and radio, using the plant network. The radio system will also be used for communications with the radiological monitoring teams. Provide additional details regarding the design of the radio system used for onsite communications. In addition, 10 CFR 73.55 (f)(3) requires the capability of continuous communication, radio or microwave transmitted two-way voice communication, either directly or through an intermediary, be established, in addition to conventional telephone service, between local law enforcement authorities and the facility and be terminated in each continuously manned alarm station. Demonstrate that the radio system described in Section F of the Emergency Plan can integrate with offsite communications systems to local and state authorities.

09.05.02-4

Clarify how the switchover between the ENN and the backup commercial telephone lines is completed.

COL information item 9.5-10 (COL action item 9.5.2-1), which is contained in the DC-FSAR in Tier 2, Table 1.8-2, states: "the emergency offsite communication system, including the crisis management radio system, will be addressed by the Combined License applicant." The applicant has submitted VEGP COL item 9.5-10 in the COL FSAR to satisfy this information item. The applicant has stated in the Vogtle FSAR Section 9.5.2.5.2 that the Early Site Permit Application (ESPA) Emergency Plan Section F addresses VEGP COL item 9.5-10. Section F of the Emergency Plan states that the Emergency Notification Network (ENN) is the primary means for communication between the Site and the local authorities, including the State of South Carolina and Aiken, Barnwell, and Allendale Counties, and the State of Georgia and Burke County. The ENN system is available on a twenty-four seven basis. Commercial telephones provide backup for the dedicated telephone circuits. Clarify how the switchover between the dedicated telephone circuits and the backup commercial telephone lines is completed when the dedicated telephone circuits become unavailable.