

## SummerRAIsPEm Resource

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**From:** Patel, Chandu  
**Sent:** Friday, June 19, 2009 4:21 PM  
**To:** SummerRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 051 RELATED TO SRP SECTION 02.03.04 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION  
**Attachments:** SUM-RAI-LTR-051 (2).doc

Chandu Patel

**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 55

**Mail Envelope Properties** (DC2088DF7F51A8499309AA4A35D0C1E01EAF63F938)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 051  
RELATED TO SRP SECTION 02.03.04 FOR THE VIRGIL C. SUMMER NUCLEAR STATION  
UNITS 2 AND 3 COMBINED LICENSE APPLICATION

**Sent Date:** 6/19/2009 4:21:08 PM

**Received Date:** 6/19/2009 4:21:10 PM

**From:** Patel, Chandu

**Created By:** Chandu.Patel@nrc.gov

**Recipients:**

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

Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	29	6/19/2009 4:21:10 PM
SUM-RAI-LTR-051 (2).doc	51194	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

June 19, 2009

Mr. Alfred M. Paglia  
Manager, Nuclear Licensing  
MC P40  
South Carolina Electric & Gas Company  
PO Box 88  
Jenkinsville, SC 29065

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 051 RELATED TO  
SRP SECTION 02.03.04 FOR THE VIRGIL C. SUMMER NUCLEAR STATION  
UNITS 2 AND 3 COMBINED LICENSE APPLICATION

Dear Mr. Paglia:

By letter dated March 27, 2008, South Carolina Electric & Gas Company 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 301-415-3025 or at [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov) via e-mail.

Sincerely,

**/RA/**

Chandu P. Patel, Senior Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-027  
52-028

Enclosure:  
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-3025 or at [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov) via e-mail.

Sincerely,

**/RA/**

Chandu P. Patel, Senior Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-027  
52-028

eRAI Tracking No. 3023

Enclosure:  
Request for Additional Information

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NRO-002

OFFICE	SPCV/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CLauron*	CPatel*	MSpencer*	CPatel*
DATE	6/08/09	6/09/09	6/11/09	6/19/09

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

Virgil C. Summer Nuclear Station, Units 2 and 3  
South Carolina Electric and Gas Company  
Docket No. 52-027 and 52-028

SRP Section: 02.03.04 - Short Term Atmospheric Dispersion Estimates for Accident Releases  
Application Section: Short Term Atmospheric Dispersion Estimates for Accident Releases

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.04-1

In accordance with Regulatory Guide 1.194, provide, in FSAR Section 2.3.4, the ARCON96 source-receptor directions that were used as inputs to the model so that the staff may perform a confirmatory analysis. Also provide any assumptions that were made when running the model.

Please include an electronic copy of the output files from the ARCON96 model runs. These files should be for the 1-year period considered in Draft Revision 1 of the FSAR.