

SummerRAIsPEm Resource

From: Ravindra Joshi
Sent: Thursday, September 04, 2008 3:43 PM
To: SummerRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 001 RELATED TO SRP SECTION 2.5.2 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: SUM-RAI-LTR-001.doc

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Email Number: 2

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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 001 RELATED TO SRP SECTION 2.5.2 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION

Sent Date: 9/4/2008 3:42:45 PM

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From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

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

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Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

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September 4, 2008

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. 001 RELATED TO
SRP SECTION 2.5.2 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 301-415-6191 or Ravindra.Joshi@nrc.gov.

Sincerely,

/RA/

Ravindra G. Joshi, Lead 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 301-415-6191 or Ravindra.Joshi@nrc.gov.

Sincerely,

/RA/

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

Docket Nos. 52-027
52-028

eRAI Tracking No. 1010

Enclosure:
Request for Additional Information

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NRO-002

OFFICE	RGS2/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CMunson*	RJoshi*	AHodgdon*	RJoshi*
DATE	8/13/08	8/13/08	8/13/08	8/13/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Request for Additional Information
Virgil C. Summer Nuclear Station Units 2 and 3
South Carolina Electric & Gas Company
Docket No. 52-027 and 52-028
SRP Section: 2.5.2- Vibratory Ground Motion**

Application Section: 2.5.2

QUESTION from Geosciences and Geotechnical Engineering Branch 2 (RGS2)

02.05.02-1

In order to perform confirmatory analysis, the NRC staff requests the following information to be provided electronically (i.e., in spreadsheet format):

1. Geographic coordinates of the source zones for each of the 6 EPRI-SOG ESTs that are within 200 mi (320 km) of the V. C. Summer Nuclear Station Units 2 and 3 site (i.e., with the site regions as defined in R.G. 1.208)
2. 1- and 10 Hz mean hazard curves for each of the 6 EPRI-SOG ESTs for each of their source zones.
3. 1- and 10 Hz mean hazard curves for the updated Charleston seismic source.
4. Total mean hazard curves for 1, 2.5, 5, 10, 25, and 100 Hz structural frequencies (i.e., hazard curves corresponding to the GMRS location) for annual exceedance frequencies ranging from 10^{-3} to 10^{-6} .