

SummerRAIsPEm Resource

From: Brian Anderson
Sent: Tuesday, December 02, 2008 3:23 PM
To: SummerRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 13.3 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: VCS-RAI-LTR-007.doc
Importance: High

Hearing Identifier: Summer_COL_eRAIs
Email Number: 8

Mail Envelope Properties (CB87FC66F95637428C5E0D066E756B6F97AC868539)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 007 RELATED TO SRP SECTION 13.3 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION

Sent Date: 12/2/2008 3:23:29 PM

Received Date: 12/2/2008 3:23:55 PM

From: Brian Anderson

Created By: Brian.Anderson@nrc.gov

Recipients:

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

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	3	12/2/2008 3:23:55 PM
VCS-RAI-LTR-007.doc	50170	

Options

Priority: High

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

December 2, 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. 007 RELATED TO
SRP SECTION 13.3 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 advanced 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 301-415-9967 or you may contact Ravindra Joshi the lead project manager for the Virgil C. Summer Nuclear Station combined license at 301-415-6191.

Sincerely,

/RA/

Brian C. Anderson, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028

eRAI Tracking No. 1634

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-9967 or you may contact Ravindra Joshi the lead project manager for the Virgil C. Summer Nuclear Station combined license at 301-415-6191.

Sincerely,

/RA/

Brian C. Anderson, Project Manager
 AP1000 Projects Branch 1
 Division of New Reactor Licensing
 Office of New Reactors

Docket Nos. 52-027
 52-028

eRAI Tracking No. 1634

Enclosure:
 Request for Additional Information

Distribution:

Public	SCoffin	CAraguas
RidsNroDnrlNwe1	BHughes	SGoetz
RidsNroLAKGoldstein	TSimms	SHaggerty
RidsOgcMailCenter	BAnderson	CJackson
RidsAcraAcnwMailCenter	MComar	SPeng
RidsRgn2MailCenter	RJoshi	
RidsNroDnrlNwe2	MSpencer	

NRO-002

OFFICE	SPCV/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	CJackson*	BAnderson*	MSpencer*	RJoshi*
DATE	11/14/08	11/17/08	11/17/08	12/02/08

*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 and Gas Company
Docket No. 52-027 and 52-028
SRP Section: 13.03 - Emergency Planning
Application Section: 13.3

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

13.03-1

Provide a description of the technical support center (TSC) habitability for Units 2 and 3.

The habitability and ventilation criteria for the TSC in Section 2.6 of NUREG-0696 is stated in the following two paragraphs:

Since the TSC is to provide direct management and technical support to the control room during an accident, it shall have the same radiological habitability as the control room under accident conditions. TSC personnel shall be protected from radiological hazards, including direct radiation and airborne radioactivity from inplant sources under accident conditions, to the same degree as control room personnel. Applicable criteria are specified in General Design Criterion 19; Standard Review Plan 6.4; and NUREG-0737, "Clarification of TMI Action Plan Requirements," Item II.B.2.

The TSC ventilation system shall function in a manner comparable to the control room ventilation system. The TSC ventilation system need not be seismic Category I qualified, redundant, instrumented in the control room, or automatically activated to fulfill its role. A TSC ventilation system that includes high-efficiency particulate air (HEPA) and charcoal filters is needed, as a minimum. Sufficient potassium iodide shall be provided for use by TSC and control room personnel. The capacity of the installed TSC ventilation filter system shall be independent of these thyroid-blocking provisions. If the TSC becomes uninhabitable, the TSC plant management function shall be transferred to the control room.

Although the originally designed Units 2 and 3's TSC is being relocated to Unit 1's TSC, it is expected that the same TSC habitability and ventilation, as stated above, will be met. However, Departure VCS DEP 18.8-1 does not provide this kind of confirmation.

The design basis for the TSC as described in DCD Sec. 9.4.1.1.2 is for the TSC located in the control support area. With the relocation of the TSC from the control support area to the protected areas, there now exists a lack of design information and justification as described above for the new TSC. The design information and justification needs to be provided.