SummerRAIsPEm Resource

From: Simms, Tanya
Sent: Wednesday, March 31, 2010 8:24 AM
To: SummerRAIsPEm Resource
Subject: Request for Additional Information Letter No. 080 Related to SRP Section 09.03.03 for the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application
Attachments: SUM-RAI-LTR-080.doc

Hearing Identifier: Summer_COL_eRAIs
Email Number: 85

Mail Envelope Properties (192BB59294514E41B5305C3C8286760809F8464786)

Subject: Request for Additional Information Letter No. 080 Related to SRP Section 09.03.03 for the Virgil C. Summer Nuclear Station Units 2 and 3 Combined License Application
Sent Date: 3/31/2010 8:24:07 AM
Received Date: 3/31/2010 8:24:07 AM
From: Simms, Tanya

Created By: Tanya.Simms@nrc.gov

Recipients:
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>
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MESSAGE	3	3/31/2010 8:24:07 AM
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Options
Priority: Standard
Return Notification: No
Reply Requested: Yes
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March 31, 2010

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. 080 RELATED TO SRP SECTION 09.03.03 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 301-415-1387 or you may contact Joseph M. Sebrosky, the lead project manager for the Virgil C. Summer Nuclear Station combined license at 301-415-1132.

Sincerely,

/**RA**/

Tanya Simms, 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 301-415-1387 or you may contact Joseph M. Sebrosky, the lead project manager for the Virgil C. Summer Nuclear Station combined license at 301-415-1132.

Sincerely,

/**RA**/

Tanya Simms, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028
eRAI Tracking No. 4499

Enclosure:
Request for Additional Information

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NAME	JSegala*	TSimms*	JSebroskyl*	
DATE	3/12/10	3/12/10	3/31/10	

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information No. 4499 Revision 0
Virgil C. Summer Nuclear Station, Units 2 and 3
South Carolina Electric and Gas Company
Docket No. 52-027 and 52-028
SRP Section: 09.03.03 - Equipment and Floor Drainage System
Application Section: SRP 9.3.3

QUESTION from Balance of Plant Branch 1 (SBPA)

09.03.03-1

In AP1000 DCD, Revision 15, the waste water retention basin design features were included as part of the AP1000 certified design. In Revision 16, Westinghouse removed the waste water retention basin from the DCD and identified it as COL Information Item 9.2.11.2, “Waste Water Retention Basins.” COL Information Item 9.2.11.2 states that "the Combined License applicant will address the final design and configuration of the plant waste water retention basins and associated discharge piping, including piping design pressure, basin transfer pump size, basin size, and location of the retention basins."

In VC Summer FSAR Section 9.2.9.2.2, “Component Description,” a description of the wastewater retention basin was added to address AP1000 DCD COL Information Item 9.2.11.2. The information provided discusses the location and routing of the wastewater system, but does not address all of the details requested in the COL information item.

In order to meet GDC 60, applicant should demonstrate suitable control of the release of radioactive materials in liquid effluent. Provide a discussion on whether all site-specific potentially radioactive effluents draining into and downstream of the water basin will be monitored prior to disposition. Provide justification for not providing water level instrumentation and radiation monitoring in the wastewater retention basin.

Also, provide additional details on the method proposed for transfer of inventory from wastewater settling basin to the discharge canal and provide a description of the associated components (ie. transfer pumps, size of basin, basin lining, etc…) as requested in the COL information item. Verify that all site-specific potentially radioactive effluents will be monitored prior to disposition. Or provide a justification for why this information is not necessary.