

PMSummerColpEM Resource

From: Ravindra Joshi
Sent: Thursday, January 22, 2009 8:52 AM
To: A. Paglia; Amy M. Monroe; April R. Rice; Donna S. Griffin; Jerry P. Harrison; Johnnie Waller (johnnie.waller@scana.com); Julie M. Giles; Kenneth J. Browne; Tria Kibler
Cc: SummerCOL Resource
Subject: RAI letter number 18 related to SRP section 11.3 for Summer Units 2 and 3
Attachments: SUM-RAI-LTR-018.pdf

To All,

Attached is RAI letter No.18 related to SRP Section 11.3 for the Summer Units 2 and 3. The ADAMS Accession number is ML090220059.

Ravi Joshi
Project Manager
NRO/DNRL/NWE1
US NRC
301-415-6191

Hearing Identifier: VCSummer_COL_Public
Email Number: 142

Mail Envelope Properties (CEEA97CC21430049B821E684512F6E5EB654AC9BA3)

Subject: RAI letter number 18 related to SRP section 11.3 for Summer Units 2 and 3
Sent Date: 1/22/2009 8:52:13 AM
Received Date: 1/22/2009 8:52:14 AM
From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

"SummerCOL Resource" <SummerCOL.Resource@nrc.gov>
Tracking Status: None
"A. Paglia" <apaglia@scana.com>
Tracking Status: None
"Amy M. Monroe" <amonroe@scana.com>
Tracking Status: None
"April R. Rice" <arice@scana.com>
Tracking Status: None
"Donna S. Griffin" <dgriffin@scana.com>
Tracking Status: None
"Jerry P. Harrison" <jharrison2@scana.com>
Tracking Status: None
"Johnnie Waller (johnnie.waller@scana.com)" <johnnie.waller@scana.com>
Tracking Status: None
"Julie M. Giles" <jmgiles@scana.com>
Tracking Status: None
"Kenneth J. Browne" <kjbrowne@santeecooper.com>
Tracking Status: None
"Tria Kibler" <tkkibler@scana.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|---------------------|-------------|------------------------|
| MESSAGE | 233 | 1/22/2009 8:52:14 AM |
| SUM-RAI-LTR-018.pdf | 127689 | |

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

SummerRAIsPEm Resource

From: Ravindra Joshi
Sent: Thursday, January 22, 2009 8:22 AM
To: SummerRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 018 RELATED TO SRP SECTION 11.03 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: SUM-RAI-LTR-018.doc

Hearing Identifier: Summer_COL_eRAIs
Email Number: 20

Mail Envelope Properties (CEEA97CC21430049B821E684512F6E5EB654AC9AFD)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 018 RELATED TO SRP SECTION 11.03 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSE APPLICATION

Sent Date: 1/22/2009 8:22:27 AM

Received Date: 1/22/2009 8:22:28 AM

From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

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

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|---------------------|-------------|------------------------|
| MESSAGE | 3 | 1/22/2009 8:22:28 AM |
| SUM-RAI-LTR-018.doc | 51194 | |

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

January 22, 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. 018 RELATED TO
SRP SECTION 11.03 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 301-415-6191 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. 1789, 1794

Enclosure:
Request for Additional Information

Distribution:

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NRO-002

| | | | | |
|--------|----------|----------|-----------|-----------|
| OFFICE | CHPB/BC | NWE1/PM | OGC | NWE1/L-PM |
| NAME | TFrye* | RJoshi* | MSpencer* | RJoshi* |
| DATE | 12/12/08 | 12/12/08 | 1/7/09 | 1/8/09 |

*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: 11.03- Gaseous Waste Management System

Application Section: FSAR Section 11.3

QUESTION from Health Physics Branch (CHPB)

11.03-1

FSAR Sections 11.3.3.4.2 and 11.3.5.1 (including VCS COL Item 11.3-1) reference draft NEI Template 07-11 as the basis of the cost-benefit analysis for justifying, in part, the design of the Gaseous Waste Management System (GWMS). The NEI template proposed a bounding envelope of population doses associated with gaseous effluent releases, which, if met, would demonstrate compliance with ALARA cost-benefit requirements of Section II.D of Appendix I to Part 50. However, NEI Template 07-11 was withdrawn from further consideration by NEI. Accordingly, please explain how the applicant intends to develop a plant and site-specific cost-benefit analysis demonstrating compliance with Section II.D of Appendix I to Part 50 with respect to the GWMS, and provide sufficient information for the staff to evaluate the bases and assumptions used in the analysis against the applicable NRC regulations and guidance

11.03-2

Please provide detailed information to enable the staff to validate and verify the estimated doses in FSAR section 11.3.3.4 with respect to the dose objectives of Appendix I to 10 CFR Part 50 and the dose limits in 10 CFR 20.1301(e); please revise the FSAR to include this information, or justify its exclusion. The information should include the following:

- a complete description of how the applicant derived all the values listed in Table 11.3-201, including all assumptions made
- citations to any reference material used (for documents not publicly available please provide a copy for staff's use)
- detailed breakdown of individual doses by pathway and organ
- detailed breakdown of population doses by pathway and organ