

PMSummerColpEM Resource

From: Ravindra Joshi
Sent: Thursday, January 22, 2009 8:56 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 19 related to SRP section 19 for Summer Units 2 and 3
Attachments: SUM-RAI-LTR-019.pdf

To All,

Attached is RAI letter No.19 related to SRP Section 19 for the Summer Units 2 and 3. The ADAMS Accession number is ML090220060.

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

Hearing Identifier: VCSummer_COL_Public
Email Number: 143

Mail Envelope Properties (CEE97CC21430049B821E684512F6E5EB654AC9BB9)

Subject: RAI letter number 19 related to SRP section 19 for Summer Units 2 and 3
Sent Date: 1/22/2009 8:55:54 AM
Received Date: 1/22/2009 8:55:55 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	236	1/22/2009 8:55:55 AM
SUM-RAI-LTR-019.pdf	127637	

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 8:25 AM
To: SummerRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 019 RELATED TO SRP
SECTION 19 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3
COMBINED LICENSE APPLICATION
Attachments: SUM-RAI-LTR-019.doc

Hearing Identifier: Summer_COL_eRAIs
Email Number: 21

Mail Envelope Properties (CEE97CC21430049B821E684512F6E5EB654AC9B06)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 019 RELATED TO
SRP SECTION 19 FOR THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 COMBINED
LICENSE APPLICATION

Sent Date: 1/22/2009 8:24:40 AM

Received Date: 1/22/2009 8:24:41 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 8:24:41 AM
SUM-RAI-LTR-019.doc	52218	

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. 019 RELATED TO
SRP SECTION 19 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. 1713

Enclosure:
Request for Additional Information

Distribution:

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MMelincoff			

NRO-002

OFFICE	SPLA/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	LMrowca*	RJoshi*	MSpencer*	RJoshi*
DATE	12/09/08	12/09/08	1/9/09	1/9/09

*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: 19- Probabilistic Risk Assessment and Severe Accident Evaluation

Application Section: FSAR Section 19

QUESTIONS from PRA Licensing, Operations Support and Maintenance Branch 1 (AP1000/EPR Projects) (SPLA)

19-1

Part of AP1000 DCD COL Information Item 19.59.10-2 calls for the following action by COL applicants:

The Combined License applicant will confirm that the High Winds, Floods, and Other External Events analysis documented in Section 19.58 is applicable to the COL site. Further evaluation will be required if the COL site is shown to be outside of the bounds of the High Winds, Floods, and Other External Events analysis documented in Section 19.58.

The above requirement is replaced by the following words in STD COL 19.59.10-2:

It has been confirmed that the High Winds, Floods, and Other External Events analysis documented in Section 19.58 is applicable to the site...

Please provide supporting information or appropriate references that ensure that all of the key site-related assumptions in the Section 19.58 External Events analyses are valid for the VC Summer site

19-2

STD COL 19.59.10-2 states that "The PRA will be updated to reflect these differences [between the as-built plant and design used as the basis for the AP1000 PRA and DCD Table 19.59-18] if they potentially result in a significant increase in core damage frequency or large release frequency."

(a) Please clarify how the VC Summer PRA (to be completed by fuel load) will be updated to account for VC Summer site-specific information per 10 CFR 52.79(d)(1) and 10 CFR 50.71(h)(1) as well as as-built information.

(b) Please define "significant increase."