

SummerRAIsPEm Resource

From: Kallan, Paul
Sent: Thursday, May 12, 2016 8:02 AM
To: Gleaves, Bill
Subject: Summer CAS RAI letter 01.docx
Attachments: Summer CAS RAI letter 01.docx

Importance: High

Hi Billy,

Can you put it in the Summer e capturing system and then it will put it in ADAMS.

Please send me the ML number and I will send it to Justin and April.

Thank you,

Paul

Hearing Identifier: Summer_COL_eRAIs
Email Number: 130

Mail Envelope Properties (0b41f10b17c1444f83277a260b56042e)

Subject: Summer CAS RAI letter 01.docx
Sent Date: 5/12/2016 8:01:51 AM
Received Date: 5/12/2016 8:01:52 AM
From: Kallan, Paul

Created By: Paul.Kallan@nrc.gov

Recipients:
"Gleaves, Bill" <Bill.Gleaves@nrc.gov>
Tracking Status: None

Post Office: HQPWMSMRS07.nrc.gov

Files	Size	Date & Time
MESSAGE	190	5/12/2016 8:01:52 AM
Summer CAS RAI letter 01.docx		23437

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

May 12, 2016

Ms. April R. Rice
South Carolina Electric & Gas Company
New Nuclear Deployment
P.O. Box 88
Jenkinsville, S.C. 29065

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 01 RELATED TO
SUMMER COMMISSION-APPROVED SIMULATION FACILITY FOR VIRGIL C. SUMMER
NUCLEAR STATION UNITS 2 AND 3 COMBINED LICENSES (TAC NO. RQ0441)

Dear Ms. Rice:

By letter dated April 21, 2016 (ADAMS Accession No. ML16112A256), South Carolina Electric & Gas Company (SCE&G) requested approval of a Commission-Approved Simulation Facility to Combined License Numbers NPF-93 and NPF-94 for Virgil C. Summer Nuclear Station Units 2 and 3 respectively. A Commission-Approved Simulator is requested because the plant-referenced simulator is not available. The integrated system validation activity required by the AP1000 Design Certification has not been completed and therefore, the main control room design configuration has not been finalized. This configuration must be reflected in the simulator in order for the simulator to be qualified as a plant-referenced simulator.

In the course of reviewing your request the NRC staff has identified the need for additional information. The request for additional information (RAI) is enclosed. Please respond to this RAI by May 26, 2016 of receipt of this letter.

If you have any questions or comments concerning this matter, please contact me at 301-415-2809 or Paul.Kallan@nrc.gov.

Sincerely

/RA/

Paul Kallan, Senior Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028
eRAI Tracking No. 8611

Enclosure:
Request for Additional Information 01

CC: see next page

If you have any questions or comments concerning this matter, please contact me at 301-415-2809 or Paul.Kallan@nrc.gov.

Sincerely

/RA/

Paul Kallan, Senior Project Manager
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028
eRAI Tracking No. 8611

Enclosure:
Request for Additional Information 01

CC: see next page

Distribution:

Public	MJunge	PPieringer
RidsNroDnrlLb4	JMcKirgan	RButler
RidsOgcMailCenter	LKent	BGleaves
RidsRgn2MailCenter	RidsAcrcMailCenter	PKallan

NRO-002

OFFICE	NRO/DCIP/HOIB	NRO/DCIP/HOIB	DNRL/LB4PM
NAME	*PPieringer	*MJunge	*PKallan
DATE	05/11/16	05/11/16	05/11/16

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information 1

Issue Date: 05/11/2016

Application Title: Virgil C. Summer Nuclear Station, Units 2 and 3

Operating Company: South Carolina Electric and Gas Company

Docket No. 52-027 and 52-028

Review Section: 13.02.01 - Reactor Operator Requalification Program; Reactor Operator Training

Application Section:

QUESTIONS

13.02.01-1

EVALUATION

Letter NND-15-0467 (aggregate impact evaluation) stated the test plan for software patches used to correct simulator deficiencies. This test plan was titled the "Patch Post-Fix Test Plan" and the letter stated that notification of the completion of the testing would be provided to the NRC.

Letter NND-16-0109 (CAS request letter), Enclosure 7 (List of Westinghouse' Simulator corrective actions) lists the discrepancy reports that have "passed."

QUESTION

1. Provide confirmation that a discrepancy report listed as "passed" means all elements of the "Patch Post-Fix Test Plan" have been completed satisfactorily.
2. The "Individual fix testing" item 6 states, "Run each ANSI (Malfunctions) MALFS test which had an associated SDR. The "ANSI/ANS 3.5 Testing Redux (integrated response)" item 3 states "Repeat selected Malfunctions which are associated with SDRs fixed."
 - Explain how the latter criterion (item 3) is different from the former criterion (item 6).
 - For the latter criteria, explain how malfunctions are "selected."
 - Does the test plan ensure that the retest scenarios establish the same test conditions under which the simulator discrepancy was originally identified?

13.02.01-2

EVALUATION

Discrepancy reports 1507-09 (Insufficient PCS flow through single drain line) and 1507-53 (rod bottom alarm) are statused as being corrected in Letter NND-15-0467 (aggregate impact evaluation). Letter NND-16-0109 (CAS request letter), Enclosure 9 (List of open simulator discrepancies) states they are open. The staff could not find any explanation in either document that would explain why they are still open. If they are open it appears they should be addressed in the aggregate impact evaluation along with the other open simulator discrepancies.

QUESTION

1. Are these discrepancies open or closed? Explain the status.
2. If these discrepancies are open explain their individual and aggregate impact on the simulation facilities capability for supporting operator exams.

13.02.01-3

EVALUATION

Discrepancy report VC-1508-108 (Simulator Failures of J station commands when resetting < 1/day) identifies failures which would appear to disable the simulator in a manner that could interrupt simulator exams. The frequency of problem occurrence is not clear.

QUESTION

1. Provide additional detail describing why the discrepancy does not affect the simulator's capability to execute the operator exam.