

## SummerRAIsPEm Resource

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**From:** Gleaves, Bill  
**Sent:** Wednesday, August 03, 2016 10:46 AM  
**To:** SummerRAIsPEm Resource  
**Subject:** FW: Acceptance Letter for LAR 16-02 Passive Core Cooling System (PXS) Condensate Return  
**Attachments:** Acceptance Letter for LAR 16-02 Passive Core Cooling System (PXS) Condensate Return.pdf

Billy  
William (Billy) Gleaves  
Lead Project Manager for  
V.C. Summer Units 2 and 3  
Licensing Branch 4  
US NRC, Office of New Reactors

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**From:** Kallan, Paul  
**Sent:** Wednesday, August 03, 2016 9:29 AM  
**To:** RICE, APRIL R (ARICE@scana.com)  
**Cc:** KELLENBERGER, NICHOLAS ROY; Gleaves, Bill  
**Subject:** Acceptance Letter for LAR 16-02 Passive Core Cooling System (PXS) Condensate Return

Hi April,

Attached is the acceptance letter for LAR 16-02 regarding the Passive Core Cooling System (PXS) Condensate Return.

Take care,

**Paul Kallan**  
Office of New Reactors  
Division of New Reactor Licensing  
Licensing Branch 4  
Tel: (301) 415-2809  
[Paul.Kallan@nrc.gov](mailto:Paul.Kallan@nrc.gov)

**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 177

**Mail Envelope Properties** (9262249a3f184e3cb09874140e2f0cfd)

**Subject:** FW: Acceptance Letter for LAR 16-02 Passive Core Cooling System (PXS)  
Condensate Return  
**Sent Date:** 8/3/2016 10:45:53 AM  
**Received Date:** 8/3/2016 10:45:54 AM  
**From:** Gleaves, Bill

**Created By:** Bill.Gleaves@nrc.gov

**Recipients:**  
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQPWMSMRS05.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1125	8/3/2016 10:45:54 AM
Acceptance Letter for LAR 16-02 Passive Core Cooling System (PXS) Condensate Return.pdf		
151218		

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

## SummerRAIsPEm Resource

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**From:** Gleaves, Bill  
**Sent:** Tuesday, August 02, 2016 10:17 AM  
**To:** SummerRAIsPEm Resource  
**Cc:** Kallan, Paul  
**Subject:** V.C. Summer LAR-16-02 Acceptance Letter for Electronic Transmittal  
**Attachments:** V.C. Summer LAR-16-02 Acceptance Letter Paul.docx

Attached. This email is the request for an accession number from ADAMS.

**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 176

**Mail Envelope Properties** (bb24c8cfd23f41fbabd2b2c1920c29c4)

**Subject:** V.C. Summer LAR-16-02 Acceptance Letter for Electronic Transmittal  
**Sent Date:** 8/2/2016 10:17:29 AM  
**Received Date:** 8/2/2016 10:17:33 AM  
**From:** Gleaves, Bill

**Created By:** Bill.Gleaves@nrc.gov

**Recipients:**

"Kallan, Paul" <Paul.Kallan@nrc.gov>  
Tracking Status: None  
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQPWMSMRS05.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	74	8/2/2016 10:17:33 AM
V.C. Summer LAR-16-02 Acceptance Letter Paul.docx		31162

**Options**

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

August 2, 2016

Mr. Ronald A. Jones, Vice-President  
South Carolina Electric & Gas Company  
New Nuclear Deployment  
P.O. Box 88  
Jenkinsville, SC 29065

SUBJECT: ACCEPTANCE REVIEW OF SOUTH CAROLINA ELECTRIC & GAS COMPANY'S  
REQUEST FOR LICENSE AMENDMENT (LAR 16-02) AND EXEMPTION FOR  
THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3: PASSIVE  
CORE COOLING SYSTEM (PXS) DESIGN CHANGES TO ADDRESS  
POTENTIAL GAS INTRUSION (CAC NO. RQ0474)

Dear Mr. Jones:

By letter dated June 2, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16154A226), South Carolina Electric & Gas Company (SCE&G) submitted a request for a license amendment and an exemption to Combined License (COL) Numbers NPF-93 and NPF-94, for the Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3, respectively. The proposed changes revise the Combined Licenses (COL) concerning the design details of the safety-related passive core cooling system (PXS), the nonsafety-related normal residual heat removal system (RNS), and the nonsafety-related containment air filtration system (VFS). The amendment request proposes changes to the Updated Final Safety Analysis Report (UFSAR) in the form of departures from the plant-specific Design Control Document (DCD) Tier 2 information, and involves changes to related plant-specific DCD Tier 1 information, with corresponding changes to the associated COL Appendix C information.

SCE&G has also requested an exemption from the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, Appendix D, Section III.B, "Design Certification Rule for the AP1000 Design, Scope and Contents," to allow a departure from the elements of the certification information in Tier 1 of the generic DCD.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of these requests. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical reviews. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of the 10 CFR, an amendment to the license must fully describe the changes requested, and follow as far as applicable, the form prescribed for original applications. Section 52.79 of the 10 CFR addresses content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability, of the proposed amendment and exemption, in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-2809 or [Paul.Kallan@nrc.gov](mailto:Paul.Kallan@nrc.gov)

Sincerely,

*/RA/*

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

Docket No(s): 52-027  
52-028