

November 4, 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 16-17) AND EXEMPTION FOR  
THE VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3: QUALIFIED  
DATA PROCESSING SYSTEM AND SAFETY DISPLAY (CAC NO. RG3028)

Dear Mr. Jones:

By letter dated October 24, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16298A385), 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 amendment request proposes changes to update the Protection and Safety Monitoring System (PMS) design, specifically the description of the roles of the Qualified Data Processing System (QDPS) and the safety displays. The proposed changes add Main Control Room (MCR) safety-related display divisions A and D to plant-specific Tier 1 (and associated COL Appendix C) and the Updated Final Safety Analysis Report (UFSAR), and correct the name of the QDPS in the UFSAR by referring to the QDPS as a system, rather than a subsystem.

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 Design Control Document.

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.

R. Jones

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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

cc: See next page

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 reviews 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  
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Office of New Reactors

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

cc: See next page

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(Revised 10/03/2016)

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