

October 12, 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 FOR THE  
VIRGIL C. SUMMER NUCLEAR STATION, UNITS 2 AND 3:  
REVISION 2 — STRUCTURAL DESIGN OF AUXILIARY BUILDING  
FLOORS (CAC NO. RQ0464)

Dear Mr. Jones:

By letter dated June 16, 2016, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16168A282), as revised by letters dated July 7, 2016, and August 17, 2016, (ADAMS Accession Nos. ML16189A453 and ML16230A179), and supplemented by letter dated September 28, 2016 (ADAMS Accession No. ML16273A316), the South Carolina Electric & Gas Company (SCE&G/licensee), on behalf of itself and the South Carolina Public Service Authority (Santee Cooper) submitted a license amendment request (LAR 14-14 R2) for the Combined License (COL) Numbers NPF-93 and NPF-94, for the Virgil C. Summer Nuclear Station, respectively. The requested amendment, as revised and supplemented, proposes changes to the Updated Final Safety Analysis Report (UFSAR) in the form of departures from the incorporated plant specific Design Control Document (PS-DCD) Tier 2\* and associated Tier 2 information in the UFSAR to revise certain details in the structural design of floors, including finned floors, in the auxiliary building. Included in this scope are proposed modifications specific to a critical section finned floor and clarifications on details for similar finned floors and floors without fins have different design details. Also included in this scope are the design of connections, the provision of fire protection reinforcement as needed, and changes to design of reinforced concrete floors, cast-in-place concrete on precast panels and associated stirrups.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of the LAR, as revised and supplemented. 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 review. The acceptance review was 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 Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.90, 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 the 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 against the regulatory requirements and has concluded that it provides sufficient technical detail to enable the NRC staff to complete its detailed review and make an independent assessment regarding the acceptability of the proposed changes 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) 415-5848 or [Bill.Gleaves@nrc.gov](mailto:Bill.Gleaves@nrc.gov).

Sincerely,

*/RA/*

William (Billy) Gleaves, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027  
52-028

cc: See next page

The NRC staff has reviewed your application against the regulatory requirements and has concluded that it provides sufficient technical detail to enable the NRC staff to complete its detailed review and make an independent assessment regarding the acceptability of the proposed changes in terms of regulatory requirements and the protection of public health and safety and the environment.

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If you have any questions, please contact me at (301) 415-5848 or [Bill.Gleaves@nrc.gov](mailto:Bill.Gleaves@nrc.gov).

Sincerely,

*/RA/*

William (Billy) Gleaves, Senior Project Manager  
 Licensing Branch 4  
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 Office of New Reactors

Docket Nos.: 52-027  
 52-028

cc: See next page

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<b>DATE</b>	10/11/16	10/06/16	

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(Revised 10/03/2016)

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