

May 9, 2017

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

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNITS 2 AND 3 ALTERNATIVE TO TITLE 10 OF THE CODE OF FEDERAL REGULATIONS, SECTION 50.55a REGARDING PRESERVICE INSPECTION REQUIREMENTS FOR STEAM GENERATOR NOZZLE TO REACTOR COOLANT PUMP CASING WELDS (CAC NO. RG3009)

Dear Mr. Jones:

By letter dated July 7, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16189A312), South Carolina Electric & Gas Company (SCE&G), acting on behalf of itself and the South Carolina Public Service Authority, submitted Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3 – Request for Alternative: Preservice Inspection Requirements for Steam Generator Nozzle to Reactor Coolant Pump Casing Welds to the regulations for VCSNS Units 2 and 3 pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 50.55a(z)(1). The requested alternative would allow the licensee to use requirements of the 2013 Edition of American Society of Mechanical Engineers (ASME) Section XI for the inspection of welds joining the AP1000 steam generator nozzle to the reactor coolant pump casing. The proposed alternative would allow the licensee to examine the aforementioned welds using the requirements of the 2013 Edition of ASME Section XI prior to initial plant startup.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the subject request and concludes that the licensee has demonstrated that the proposed alternative provides an acceptable level of quality and safety. Therefore, the NRC staff may authorize the proposed alternative pursuant to 10 CFR 50.55a(z)(1) for VCSNS Units 2 and 3.

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If you have any questions, please contact Chandu Patel, Project Manager at (301) 415-3025 or [Chandu.Patel@NRC.gov](mailto:Chandu.Patel@NRC.gov).

Sincerely,  
*/RA/*

Jennifer Dixon-Herrity, Chief  
Licensing Branch  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-027 and 52-028

Enclosure:  
Safety Evaluation

cc: See next page

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GENERATOR NOZZLE TO REACTOR COOLANT PUMP CASING WELDS  
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DATED: May 9, 2017

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NRO-008

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DATE	5/9/17	5/2/17	5/8/17	5/9/17

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(Revised 03/02/2017)

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