



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

February 18, 2016

Mr. George A. Lippard, III  
Vice President, Nuclear Operations  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station  
Post Office Box 88, Mail Code 800  
Jenkinsville, SC 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1 – REQUEST FOR  
ADDITIONAL INFORMATION (CAC NO. MF7085)

Dear Mr. Lippard:

By letter dated January 20, 2015, the South Carolina Electric & Gas Company (SCE&G, the licensee) submitted a relief request for Virgil C. Summer, Unit 1, for the third ten-year inservice inspection interval. The licensee requested relief from the examination requirements of Section XI of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) applicable to ASME Code Class 1 piping welds and ASME Code Class 2 vessel welds. The scope of this letter is for the two ASME Code Class 2 vessel welds, CGE-2-1110-1B/1 and CGE-2-1110-1B/2, in the residual heat removal heat exchanger shell.

The NRC staff has determined that additional information is needed to continue the review as discussed in the Enclosure. We request that SCE&G respond to these RAIs within 30 days of the date of this letter. Please note that the NRC staff's review is continuing and further requests for information may be developed.

Sincerely,

A handwritten signature in black ink that reads "Shawn Williams".

Shawn Williams, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-395

Enclosure:  
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST NUMBER RR-III-12

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1

SOUTH CAROLINA ELECTRIC & GAS COMPANY

DOCKET NUMBER 50-395

By letter dated November 10, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15316A556), South Carolina Electric & Gas Company, the licensee, submitted relief request number RR-III-12 to the U.S. Nuclear Regulatory Commission (NRC) for the third ten-year inservice inspection interval of Virgil C. Summer Nuclear Station, Unit 1. In relief request RR-III-12, the licensee requested relief from the examination requirements of Section XI of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) applicable to ASME Code Class 1 piping welds and ASME Code Class 2 vessel welds. The scope of this letter is for the two ASME Code Class 2 vessel welds, CGE-2-1110-1B/1 and CGE-2-1110-1B/2, in the residual heat removal heat exchanger shell identified in the licensee's submittal. These two welds are ASME Code, Section XI, Examination Category C-A welds, Item Nos. C1.20. The licensee has determined that conformance with the examination requirements Section XI of the ASME Code for these welds is impractical. Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Paragraph 50.55a(g)(5)(iii) requires the licensee to submit information to the NRC to support the determination of impracticality.

The NRC staff has determined that the following request for additional information (RAI) is required to complete its review.

RAI No. 1

Please discuss the ASME Code Section XI, Appendix I requirement from which procedure SCANA-UT-98-13 is based. If supplements apply, please discuss which supplements were used.

RAI No. 2

Please discuss any plant-specific operating experience regarding potential degradation in welds CGE-2-1110-1B/1 and CGE-2-1110-1B/2, such as stress corrosion cracking, fatigue cracking, and general corrosion.

Enclosure

February 18, 2016

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SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1 – REQUEST FOR  
ADDITIONAL INFORMATION (CAC NO. MF7085)

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Sincerely,

/RA/

Shawn Williams, Senior Project Manager  
Plant Licensing Branch II-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

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DATE	2/18/2016	2/17/2016	2/10/2016	2/18/2016	2/18/2016

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