



South Carolina Electric & Gas Company  
 P.O. Box 88  
 Jenkinsville, SC 29065  
 (803) 345-4040

John L. Skolds  
 Vice President  
 Nuclear Operations

DEC 6 1990

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Mr. Douglas M. Collins  
 U. S. Nuclear Regulatory Commission  
 Emergency Preparedness and  
 Radiological Protection Branch  
 Division of Radiation Safety and Safeguards  
 Region II  
 101 Marietta Street, NW  
 Atlanta, GA 30323

Dear Mr. Collins:

Subject: VIRGIL C. SUMMER NUCLEAR STATION  
 DOCKET NO. 50/395  
 OPERATING LICENSE NO. NPF-12  
 RADIOACTIVE SAMPLE ANALYSIS (ANN 1200)

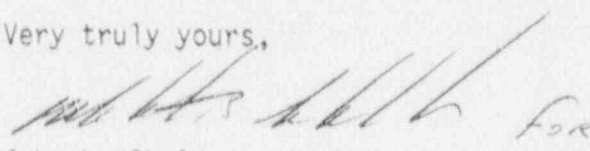
South Carolina Electric & Gas Company (SCE&G) herein submits the results of radiochemical analyses in conjunction with the NRC Confirmatory Measurements Program as addressed in Regulatory Guide 4.15, Revision 1, February 1979, "Quality Assurance for Radiological Monitoring Programs (Normal Operations)-- Effluent Streams and the Environment."

Analysis for tritium was performed by the Virgil C. Summer Nuclear Station Health Physics Laboratory. Analyses for Iron-55, Strontium-89, and Strontium-90 were performed by TMA Norcal. The results were decay corrected to October 1, 1990, and are reported as indicated below.

Nuclide	Value ( $\mu\text{Ci}/\text{ml}$ )	% Uncertainty (2 $\sigma$ )
H3	5.11E-5	11
Fe55	3.50E-5	10
Sr89	6.12E-5	11
Sr90	3.58E-6	12

Should you require any further information, please contact Mr. C. J. McKinney of my staff at (803) 345-4723.

Very truly yours,

  
 John L. Skolds

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Mr. Douglas M. Collins  
ANN 1200  
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File (818.12)