

November 17, 2010

Mr. Stephen A. Byrne
Senior Vice President
and Chief Nuclear Officer
South Carolina Electric & Gas Company
Columbia, South Carolina 29218

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION UNITS 2 AND 3 - COMBINED
LICENSE APPLICATION - ADVANCED SAFETY EVALUATION WITHOUT OPEN
ITEMS FOR CHAPTER 5, "REACTOR COOLANT SYSTEMS AND CONNECTED
SYSTEMS"

Dear Mr. Byrne:

The U.S. Nuclear Regulatory Commission staff is preparing an Advanced Safety Evaluation (ASE) without open items (OIs) for each chapter of the Virgil C. Summer Nuclear Station (VCSNS), Units 2 and 3 Combined License Application (COLA) submitted by South Carolina Electric & Gas Company (SCE&G) on March 27, 2008.

The staff's ASE without OIs for Chapter 5, "Reactor Coolant Systems and Connected Systems," is being provided to the Advisory Committee on Reactor Safeguards (ACRS) Subcommittee to support upcoming meetings of the ACRS Subcommittee, scheduled to be held in December 2010.

The enclosed ASE without OIs is being provided only to SCE&G for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public Inspections, Exemptions, Requests for Withholding." The staff concludes that the enclosed ASE does not contain any information for which exemption from public disclosure has been sought or approved or any factual errors. However, the NRC will withhold the enclosed ASE from public disclosure for ten business days from the date of this letter to allow you the opportunity to verify the staff's conclusion that the ASE contains no such exempt information or any factual errors. If within the ten day period, you do not request that all or portions of the ASE be withheld from public disclosure, the enclosure will be made available for public inspection through the NRC Public Document Room and the Publicly Available Records component of NRC's Agencywide Documents Access and Management System (ADAMS) and placed on the NRC's public web page for this application.

Document transmitted herewith contains sensitive unclassified information. When separated from the enclosure this document is "DECONTROLLED."

S. Byrne

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If you have any questions, please contact Ms. Sujata Goetz, the project manager at (301) 415-8004, sujata.goetz@nrc.gov or Mr. Joseph Sebrosky, the lead project manager for the VCSNS COL application at (301) 415-1132, joseph.sebrosky@nrc.gov.

Sincerely,

/RA/

Jeffrey Cruz, Chief
AP1000 Projects Branch (NWE 1)
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-027
52-028

Enclosure:
Safety Evaluation, Chapter 5

cc w/o encl: See next page

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Sincerely,

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AP1000 Projects Branch (NWE 1)
Division of New Reactor Licensing
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Docket Nos. 52-027
52-028

Enclosure:
Safety Evaluation, Chapter 5

cc w/o encl: See next page

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