

April 27, 2007

Mr. Jeffrey Archie  
Vice President, Nuclear Operations  
South Carolina Electric & Gas Company  
Virgil C. Summer Nuclear Station, Unit No. 1  
Post Office Box 88  
Jenkinsville, South Carolina 29065

SUBJECT: VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING DIESEL GENERATOR TECHNICAL  
SPECIFICATIONS (TAC NO. MD3687)

Dear Mr. Archie:

The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing the license amendment application for the Virgil C. Summer Nuclear Station, Unit No. 1 dated November 21, 2006, concerning diesel generator technical specifications and find that we need additional information as identified in the enclosure.

This request for additional information was discussed with your staff on April 12, 2007. Please contact me if you have any questions.

Sincerely,

**/RA/**

Robert E. Martin, 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: See next page

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REQUEST FOR ADDITIONAL INFORMATION

EMERGENCY DIESEL GENERATOR TECHNICAL SPECIFICATION

VIRGIL C. SUMMER NUCLEAR STATION, UNIT NO. 1 (VCSNS)

By letter dated May 24, 2006 (ML061500440 [Agencywide Documents Access and Management System Accession Number]), South Carolina Electric and Gas Company (the licensee), submitted a request to revise the VCSNS technical specification (TS) requirements in response to Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler, TSTF-449, "Steam Generator Tube Integrity," Revision 4 (ML051090200).

According to the Updated Final Safety Analysis Report (UFSAR), Table 8.3-3, Part A1, the total emergency diesel generator (EDG) loads for the design basis accident "Large Break loss-of-coolant accident with a loss of off-site power," during the indefinite recirculation phase (after the injection phase), are indicated as follows:

|                                  |                       |
|----------------------------------|-----------------------|
| Total Loads with Optional Loads: | 4523.9 kilowatts (kW) |
| Optional Loads:                  | 571.3 kW              |
| Loads without Optional Loads:    | 3952.6 kW             |

Similarly, according to the UFSAR, Table 8.3-3, Part A1, the total EDG loads for "Loss of Offsite Power," during the Hot Standby - 30-Hour phase, are indicated as follows:

|                                  |         |
|----------------------------------|---------|
| Total Loads with Optional Loads: | 4920 kW |
| Optional Loads:                  | 1032 kW |
| Loads without Optional Loads:    | 3888 kW |

It is noted that total loads, including the optional (manually started) loads, are more than the EDG continuous rating of 4250 kW. Please provide a brief explanation of the optional loads confirming that these loads are not needed to meet the safety requirements of the plant. Also, provide the pertinent references (or pages) from the Emergency Operating Procedures and System Operating Procedures which confirm that the Plant Operator has adequate instructions to ensure that no EDG will be loaded above its short time rating of 4676 kW for 2 hours, and continuous rating of 4500 kW for 22 hours in any 24-hour period, to meet the intent of the Technical Specifications.

Enclosure

Virgil C. Summer Nuclear Station, Unit No. 1

cc:

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