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Vice President  
Nuclear Operations

September 8, 1992

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Mr. G. F. Wunder

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS)  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
TECHNICAL SPECIFICATION CHANGE - TSP 880011  
EMERGENCY FEEDWATER SYSTEM

In accordance with 10CFR50.90, South Carolina Electric & Gas Company (SCE&G) is submitting an amendment request to License NPF-12 to change the Technical Specifications (TS) for VCSNS. The proposed change is a revision to the Surveillance Requirements (Section 4.7.1.2) for the Emergency Feedwater (EFW) pumps.

The main purpose of this change is to provide a conservative pump discharge pressure for verifying operability of each motor driven EFW pump. During an evaluation of the EFW flow requirements, SCE&G found that current technical specification requirement ( $\geq 1350$  psig at  $\geq 90$  gpm) needed to be adjusted to  $\geq 1555$  psig at  $\geq 90$  gpm to ensure that a single motor driven EFW pump can deliver a minimum of 380 gpm to two steam generators. The surveillance test procedure was then changed to reflect this new test pressure. This new test pressure was met by the individual motor drive pumps, which have historically performed well beyond this test pressure at a recirculation flow  $\geq 90$  gpm. A subsequent analysis of the impact of the Emergency Diesel Generator (EDG) voltage tolerance and its frequency limitation to  $\pm 1\%$  indicated that the pumps should be tested at 1600 psig and  $\geq 90$  gpm.

The proposed change increases the minimum surveillance discharge pressure of the motor driven EFW pumps to ensure that the pumps are capable of delivering the design basis flow to two steam generators, accounting for recirculation flow, and the effect of EDG tolerances for voltage and frequency on the pump performance. This change is consistent with VCSNS's EFW pump testing data accumulated since the beginning of commercial operation.

The amendment request is contained in the following enclosures:

- Enclosure 1 Proposed TS Change
- Enclosure 2 Description and Safety Evaluation
- Enclosure 3 Determination of No Significant Hazards Consideration

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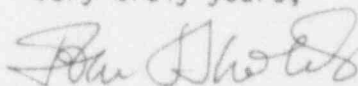
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The proposed TS change has been reviewed and approved by the Plant Safety Review Committee and the Nuclear Safety Review Committee.

I declare that the statements and matters set forth herein are true and correct to the best of my knowledge, information, and belief.

Should you have any questions concerning this issue, please call Mr. Manuel W. Gutierrez at (803) 345-4392 at your convenience.

Very truly yours,



John L. Skolds

MWG:lcd  
Enclosures

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RTS (TSP 880011)  
File (813.20)