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Vice President, Nuclear Operations  
803.345.4214



October 27, 2006  
RC-06-0196

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

Dear Sir or Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS)  
DOCKET NO. 50/395  
OPERATING LICENSE NO. NPF-12  
SPECIAL REPORT (SPR) 2006-005

South Carolina Electric & Gas Company is submitting this Special Report pursuant to the requirements of Technical Specifications 6.9.2 and Fire Protection Procedure (FPP)-024, Enclosure 6.1.1. The report is providing information on a transient that occurred on October 15, 2006 which led to the fire suppression system at VCSNS being declared inoperable for a period of approximately 2 hours and 19 minutes.

Following a start of the Electric Fire Pump at 0239 hours for a scheduled system test, the fire service header pressure was observed to drop. Test personnel attempted to secure the pump with the Stop Button; however, when the button was released both the Electric Fire Pump and the associated Diesel Fire Pump started on the low pressure condition. The start of both pumps, with a partially depressurized line, caused a pressure transient in the system. Operations personnel responding to the transient secured both of the fire pumps at 0245 hours.

Investigation found minor damage to several plant fire suppression systems and that the initial transient had occurred because of a major break in the underground yard fire service pipe supplying the Warehouse A & B sprinkler systems. The damaged portion of fire service piping was isolated and the system returned to service (system piping re-pressurized and both pumps restored to operable status) at 0504 hours.

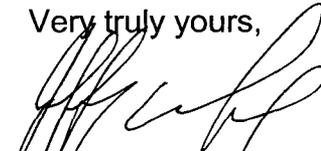
Damaged portions of the plant fire suppression systems were provided with compensatory measures, repaired, and restored to operable status on October 16 and 17 in accordance with FPP-024. The damaged section of underground pipe supplying the warehouses was repaired and returned to service on October 20.

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Should you have any questions, please call Mr. Robert Sweet at (803) 345-4080 at your convenience.

Very truly yours,



Jeffrey B. Archie

CJM/JBA/cm

- c. K. B. Marsh
- S. A. Byrne
- N. S. Carns
- J. H. Hamilton
- R. J. White
- W. D. Travers
- R. E. Martin
- K. M. Sutton
- NRC Resident Inspector
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- DMS (RC-06-0196)