

Thomas D. Gatlin
Vice President, Nuclear Operations
803.345.4342



August 8, 2013
RC-13-0110

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

Dear Sir / Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS) UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
SPECIAL REPORT (SPR) 2011-002-01

Reference: SCE&G Letter Special Report (SPR) 2011-002, Dated June 30, 2011
(RC-11-0101) [ML11186A974]

On June 30, 2011 South Carolina Electric & Gas Company (SCE&G) submitted a Special Report (Reference) pursuant to the requirements of Technical Specifications 3.5.2, "ECCS Subsystems - $T_{ave} \geq 350$ degrees Fahrenheit" concerning a Safety Injection (SI) that occurred on May 27, 2011. The special report stated that the event represented the eighth ECCS Actuation cycle to date for VCSNS and that the cumulative usage factor (CUF) for the Safety Injection nozzles did not exceed 0.70.

In 2013, VCSNS upgraded the station's plant cycle counting software, WESTEMS, to version 4.5.5.1. During the WESTEMS upgrade, an analysis of inadvertent SI cycles was performed. The analysis identified several thermal transients that were procedurally induced events during the performance of a surveillance test procedure for SI and Residual Heat Removal System valve leakage testing. The surveillance is performed following each refueling outage prior to entering Mode 2. The Control Room was notified of this issue on May 14, 2013.

Adding the procedurally induced thermal transients into the station's thermal monitoring program has increased the cycle count for the SI nozzles to 73. The CUF for the SI nozzles remains below 0.70.

This event has been entered into VCSNS corrective action program, and VCSNS intends to investigate procedure modifications to eliminate the procedurally induced thermal transients.

TE22
URL

Should you have any questions, please call Bruce Thompson at (803) 931-5042.

Very truly yours,



Thomas D. Gatlin

WT/TDG/bq

c: K. B. Marsh
S. A. Byrne
J. B. Archie
N. S. Carns
J. H. Hamilton
J. W. Williams
W. M. Cherry
V. M. McCree
R. E. Martin
NRC Resident Inspector
INPO Records Center
K. M. Sutton
NSRC
RTS (CR-13-02110)
File (818.08)
PRSF (RC-13-0110)