

USNRC REGION II
ATLANTA, GEORGIA
SOUTH CAROLINA ELECTRIC & GAS COMPANY
POST OFFICE BOX 764
COLUMBIA, SOUTH CAROLINA 29218

T. C. NICHOLS, JR.
VICE PRESIDENT AND GROUP EXECUTIVE
NUCLEAR OPERATIONS

February 15, 1982



Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street, N. W.
Atlanta, Georgia 30303

Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Substantial Safety Hazard
Service Water Pumps
Nuclear Eng. File 3.1051

Dear Mr. O'Reilly:

On February 8, 1982, Mr. Virgil Brownlee of NRC Region II was notified of a reportable substantial safety hazard defined by 10 CFR 21 concerning the service water pump motors. This item had previously been reported as a potential significant deficiency or substantial safety hazard on August 19, 1981, and in an interim letter on September 18, 1981. This item is being reported under the provisions of 10 CFR 50.55e reporting program of South Carolina Electric and Gas Company.

The information on the attachment to this letter serves as the final report.

If you have any questions, please advise.

Very truly yours,

T. C. Nichols, Jr.

WDS:TCN:glb

Attachment

cc: Page Two

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Mr. James P. O'Reilly
February 15, 1982
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10CFR21 - SUBSTANTIAL SAFETY HAZARD

1. Name and Address of Reporting Individual

Wayne D. Stuart
South Carolina Electric and Gas Company
P. O. Box 764
Columbia, South Carolina 29218

2. Identification of Basic Component

Service Water Pump Motors MPP-39A-SW
MPP-39B-SW
MPP-39C-SW

3. Identification of Firm Supplying Component

Westinghouse Electric Corporation

4. Nature of Defect, Substantial Safety Hazard Created, and Evaluation

The absence of a factory installed vent in the upper bearing pot of the Service Water Pump Motors created a siphoning effect on the bearing oil pot. The siphoning effect created a potential for fire as oil was drawn from the oil reservoir to the motor exterior. The condition is attributable to all three Service Water Pump Motors.

The Service Water System is essential to the safe operation and shutdown of the nuclear plant. Loss of one or more Service Water Pump Motors due to fire could result in a loss of the Service Water System.

5. Date Information of Defect Was Obtained

August 3, 1981

6. Number and Location of Defect

Service Water Pump House MPP-39A-SW
MPP-39B-SW
MPP-39C-SW

7. Corrective Action

Westinghouse was contacted by South Carolina Electric and Gas Company and proposed drilling a vent hole in the top of the Service Water Motor bearing pot to eliminate the oil siphoning. The vent has been installed and the siphoning and attendant oil leakage has been corrected.

8. Advice to Purchaser or Licensee

Inspect motor for installation of upper bearing pot vent.