

SOUTH CAROLINA ELECTRIC & GAS COMPANY

POST OFFICE BOX 764

COLUMBIA, SOUTH CAROLINA 29218

O. W. DIXON, JR.
VICE PRESIDENT
NUCLEAR OPERATIONS

June 29, 1982 6

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

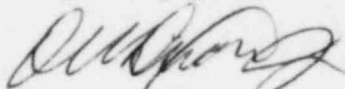
Subject: Virgil C. Summer Nuclear Station
Docket No. 50/395
Reportable Substantial Safety Hazard
Deficiency with 7.2 KV Switchgear's
Anti-Pump Relay
N. E. File: 3.1051

Dear Mr. O'Reilly:

On June 23, 1982, a substantial safety hazard as defined by 10CFR21 was reported to Mr. Hugh Dance at the NRC Region II office. The item involves the potential electrical shorting of uninsulated leads in the anti-pump relay used in the 7.2 KV switchgear. Details are given on the attachment. This item is being reported under our 10CFR50.55(e) procedure.

This letter serves as a final report. If you have any questions, please let us know.

Very truly yours,


O. W. Dixon, Jr.

DH:OWD:tdh

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10CFR21 - SUBSTANTIAL SAFETY HAZARD

1. Name and Address of Reporting Individual

Danny Hicks

South Carolina Electric and Gas Company

P. O. Box 764

Columbia, SC 29218

2. Identification of Basic Component

7.2 KV Switchgear's Anti-Pump Relay

3. Identification of Firm Supplying Component

General Electric

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

South Carolina Electric and Gas was notified of a possible defect in the 7.2 KV switchgear's anti-pump relay by the manufacturer. The affected switchgear was manufactured during the period from 1976 through mid 1981. The flexible leads connected to the anti-pump relay's moveable contacts were stripped excessively. This condition left the flexible leads uninsulated length long enough to possibly reach an adjacent coil creating an electrical short circuit. Since the anti-pump relay is part of the switchgear's close circuit, the affected switchgear could have been rendered inoperable. The manufacturer has reported this problem to the Nuclear Regulatory Commission.

South Carolina Electric and Gas has not experienced any anti-pump relay failures.

5. Date Information of Defect Was Obtained - December 10, 1981

6. Number and Location of Defect

Switchgear # XSWLDA - Unit 3

Switchgear # XSWLDB - Unit's 4, 5, 9, 13, 14, 16, 18, and 19

Switchgear # XSWLEA - Unit 4

7. Corrective Action

The 7.2 KV switchgear manufactured during the period from 1976 through mid 1981 was identified from the manufacturer's date code. The identified switchgear's anti-pump relay was checked for excessive uninsulated flexible leads. The anti-pump relays found with excessive uninsulated leads were re-insulated per the manufacturer's service bulletin.

8. Advice to Purchasers or Licensees

None

