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September 24, 1990

the southern electric system

W. G. Hairston, III
Senior Vice President
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ELV-02112
0606

Docket No. 50-424

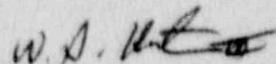
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
SPECIAL REPORT
VALID DIESEL GENERATOR FAILURE

In accordance with the requirements of the Vogtle Electric Generating Plant Technical Specifications, Sections 4.8.1.1.3 and 6.8.2, Georgia Power Company hereby submits the enclosed Special Report concerning a valid diesel generator failure.

Sincerely,



W. G. Hairston, III

WGH, III/NJS/gm

Enclosure: Special Report 1-90-06

cc: Georgia Power Company
Mr. C. K. McCoy
Mr. G. Bockhold, Jr.
Mr. P. D. Rushton
Mr. R. M. Odom
NORMS

U. S. Nuclear Regulatory Commission
Mr. S. D. Ebnetter, Regional Administrator
Mr. D. S. Hood, Licensing Project Manager, NRR
Mr. B. R. Bonser, Senior Resident Inspector, Vogtle

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ENCLOSURE

VOGTLE ELECTRIC GENERATING PLANT - UNIT 1 TECHNICAL SPECIFICATION SPECIAL REPORT 1-90-06 VALID DIESEL GENERATOR FAILURE

A. REQUIREMENT FOR REPORT

This report is required in accordance with the Vogtle Electric Generating Plant Technical Specifications, Section 4.8.1.1.3. This section of the Technical Specifications requires that all diesel generator failures, valid or non-valid, be reported to the Commission in a Special Report pursuant to Technical Specification 6.8.2.

B. DESCRIPTION OF VALID FAILURE OF DIESEL GENERATOR 1A

On 8-29-90 at 0825 CDT, Diesel Generator (DG) 1A was started pursuant to its Technical Specification surveillance requirement. After loading to the grid, operators noticed erratic swings in the MVAR (Mega Volt Ampere Reactance) loading. The system engineer was asked to investigate and at 0950 CDT, DG 1A was removed from the grid and shut down at the system engineer's request. DG 1A was declared inoperable and a Limiting Condition for Operation (LCO) was entered.

An investigation was begun, and a troubleshooting DG run was made. This run was also stopped after MVAR loads started swinging erratically, indicating that a malfunction in the voltage regulator had occurred. On 8-30-90, another DG run was made to gather data in order to quantify the load swings. Although specific testing of the voltage regulator was unable to confirm a malfunction, on 8-31-90 a replacement voltage regulator was installed and several DG runs were made for calibration purposes and to check various performance parameters. On 9-1-90, a DG operability run was made and, upon its successful completion, DG 1A was declared operable and its LCO was exited. The DG had been out of service for 65 hours and 25 minutes.

C. SUMMARY

This event is classified as a valid failure per Regulatory Guide 1.108, Section C.2.e. This was the first valid failure in the past 20 valid tests. There have been a total of 94 valid tests of DG 1A and 5 valid failures. The test frequency for DG 1A has been changed to once per 7 days in accordance with Table 4.8-1 of the Technical Specifications.