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October 23, 1990

the southern electric system

W. G. Hairston, III  
Senior Vice President  
Nuclear Operations

ELV-02185  
0673

Docket No. 50-425

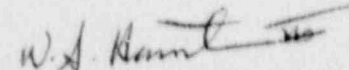
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT  
LICENSEE EVENT REPORT  
REMOVING POWER TO PLANT VENT MONITOR  
LEADS TO TECHNICAL SPECIFICATION VIOLATION

In accordance with 10 CFR 50.73, Georgia Power Company hereby submits the enclosed report related to an event which was discovered on September 27, 1990.

Sincerely,

  
W. G. Hairston, III

WGH, III/NJS/gm

Enclosure: LER 50-425/1990-013

xc: Georgia Power Company  
Mr. C. K. McCoy  
Mr. W. B. Shipman  
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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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>VOGUE ELECTRIC GENERATING PLANT - UNIT 2</b>	DOCKET NUMBER (2) <b>05000425</b>	PAGE (3) <b>1 of 3</b>
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TITLE (4)  
**REMOVING POWER TO PLANT VENT MONITOR LEADS TO TECHNICAL SPECIFICATION VIOLATION**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQ NUM	REV	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
09	26	90	90	013	00	10	23	90			05000
											05000

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR (11)											
OPERATING MODE (9)	6	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)						
POWER LEVEL	0	20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)						
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below)						
		20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)							
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)							
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)							

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
<b>R. M. ODOM, NUCLEAR SAFETY AND COMPLIANCE</b>	AREA CODE: <b>404</b> <b>826-3201</b>

COMPLETE ONE LINE FOR EACH FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORT TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORT TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (16)

On 9-26-90 at 2300 CDT, Motor Control Center (MCC) 2ABC was removed from service for preventive maintenance (PM). This MCC feeds power panel 2NYC2, which in turn powers the air pump for plant vent radiation monitor 2RE-12444. Once this air flow was stopped, 2RE-12444 was no longer capable of measuring the radiation levels present in the air escaping through the plant vent. Another plant vent monitor, 2RE-12442, was in service at the time with the exception of channel A, the particulate monitor. Therefore, the requirements of Technical Specification (TS) section 3.3.3.10 for particulate monitoring were no longer being met because neither 2RE-12444 nor 2RE-12442 was performing the particulate monitoring function.

On 9-27-90 at 1800 CDT, personnel performing the daily check of 2RE-12444 found that no air flow was registering across the monitor. Auxiliary equipment was installed to initiate continuous sampling as required by the TS action statement.

The cause of this event was a deficiency in the electrical drawing which was reviewed while planning the PM. The drawing did not show that the 2NYC2 power panel would be affected. A request for a drawing change to correct the deficiency has been initiated.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)	
		YEAR	SEQ NUM	REV		
VOGUE ELECTRIC GENERATING PLANT - UNIT 2	05000425	90	013	00	2	OF 3

## TEXT

## A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(i) because the unit operated in a condition prohibited by Technical Specification (TS) requirements. The action statement for removing the plant vent monitors from service was not complied with.

## B. UNIT STATUS AT TIME OF EVENT

At the time of this event, Unit 2 was in Mode 6 (refueling) at 0% rated thermal power. Other than that described herein, there was no inoperable equipment which led to the occurrence of this event.

## C. DESCRIPTION OF EVENT

On 9-26-90 at 2300 CDT, the Class 1E Motor Control Center (MCC) 2ABC was removed from service for preventive maintenance (PM). This MCC feeds non-1E power panel 2NYC2, which in turn powers the non-safety related plant vent radiation monitor 2RE-12444 air pump. The pump forces air from the plant vent past the monitor's radiation detectors. Once this air flow was stopped, 2RE-12444 no longer was capable of measuring the radiation levels present in the air escaping through the plant vent. Another plant vent monitor, 2RE-12442, was in service at the time with the exception of channel A, the particulate monitor. Section 3.3.3.10 of the TS (Table 3.3-10) requires, in part, at least one channel of particulate monitoring instrumentation to be operable. If this instrumentation is inoperable, effluent releases may continue provided samples are continuously collected with auxiliary sampling equipment. Therefore, until discovery of this condition, the TS requirements for particulate monitoring were not met. The Process Effluent Radiation Monitoring System (PERMS) computer has an alarm for a low flow condition. However, removing power to the air pump also disables the alarm function and prevented the early discovery of this low air flow condition.

On 9-27-90 at 1800 CDT, personnel performing the daily check of 2RE-12444 found that no air flow was registering across the monitor. The Shift Supervisor entered the Limiting Condition for Operation (LCO) and auxiliary equipment was installed to initiate continuous sampling as required by the TS section 3.3.3.10 action statement.

## D. CAUSE OF EVENT

The cause of this event was a deficiency in the electrical drawing which was reviewed while planning the PM. The drawing did not show that the 2NYC2 power panel would be affected. Class 1E 120 volt AC load lists were also referred to while determining the affected loads, but non-1E lists were not available.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)	
		YEAR	SEQ NUM	REV		
VOGUE ELECTRIC GENERATING PLANT - UNIT 2	05000425	90	013	00	3	OF 3

TEXT

E. ANALYSIS OF EVENT

Although channel A of 2RE-12442A (particulate channel) was out of service due to faulty background readings from its online detector, the particulate filter paper used during the time period involved was removed and analyzed for the presence of abnormal levels of radioactive particulates and none were found. Based on this analysis, there was no adverse effect on plant safety or the health and safety of the public as a result of this event. This event would not have had more severe consequences had the unit been operating at power because venting is not a function of the unit's power output.

F. CORRECTIVE ACTION

1. A Night Order was written to advise personnel that 2RE-12444 will be made inoperable by deactivating the 2ABC switchgear.
2. A request for a change to the affected electrical drawing has been submitted which will show the 2NYC2 power panel being supplied by the 2ABC switchgear. This change will be incorporated by 12-15-90.
3. Load lists, which state both 1E and non-1E electrical component(s) powered by each load center, have been received onsite and are now available for use.

G. ADDITIONAL INFORMATION

1. Failed Components:

None

2. Previous Similar Events:

None

3. Energy Industry Identification System Code:

Radiation Monitoring System - IL

Plant Vent. Monitoring System - VL

Class 1E 480 volt AC System - ED

Non-1E 125 volt AC System - EC