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April 19, 1990

The Southern Electric System

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

ELV-01529
0336

Docket No. 50-424

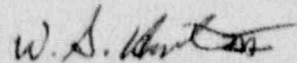
U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
LICENSEE EVENT REPORT
INADEQUATELY MONITORED LIQUID EFFLUENT RELEASE

In accordance with 10 CFR 50.73, Georgia Power Company hereby submits the enclosed report related to an event which was discovered on March 20, 1990.

Sincerely,



W. G. Hairston, III

WGH, III/NJS/gm

Enclosure: LER 50-424/1990-007

xc: Georgia Power Company

Mr. C. K. McCoy
Mr. G. Bockhold, Jr.
Mr. R. M. Odom
Mr. P. D. Rushton
NORMS

U. S. Nuclear Regulatory Commission

Mr. S. D. Ebnetter, Regional Administrator
Mr. T. A. Reed, Licensing Project Manager, NRR
Mr. R. F. Aiello, Senior Resident Inspector, Vogtle

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
VOGTLE ELECTRIC GENERATING PLANT - UNIT 1DOCKET NUMBER (2)
0 5 0 0 0 4 2 4 1 0 0 3

PAGE (3)

TITLE (4)
INADEQUATELY MONITORED LIQUID EFFLUENT RELEASE

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)	
03	17	90	90	007	00	04	19	90		0 5 0 0 0	

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
6	<table border="1"><tr><td>20.402(b)</td><td>20.405(e)</td><td>50.73(a)(2)(iv)</td><td>73.71(b)</td></tr><tr><td>20.405(a)(1)(i)</td><td>50.36(c)(1)</td><td>50.73(a)(2)(v)</td><td>73.71(c)</td></tr><tr><td>20.405(a)(1)(ii)</td><td>50.36(c)(2)</td><td>50.73(a)(2)(vii)</td><td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td></tr><tr><td>20.405(a)(1)(iii)</td><td>X 50.73(a)(2)(i)</td><td>50.73(a)(2)(viii)(A)</td></tr><tr><td>20.405(a)(1)(iv)</td><td>50.73(a)(2)(ii)</td><td>50.73(a)(2)(viii)(B)</td></tr><tr><td>20.405(a)(1)(v)</td><td>50.73(a)(2)(iii)</td><td>50.73(a)(2)(ix)</td></tr></table>	20.402(b)	20.405(e)	50.73(a)(2)(iv)	73.71(b)	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 and in Text, NRC Form 366A)	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)(ix)
20.402(b)	20.405(e)	50.73(a)(2)(iv)	73.71(b)																			
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 and in Text, NRC Form 366A)																			
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)(ix)																				

LICENSEE CONTACT FOR THIS LER (12)
NAME
R. M. ODOM, NUCLEAR SAFETY AND COMPLIANCETELEPHONE NUMBER
AREA CODE
4 0 4 8 2 6 - 3 2 0 1

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NO ☐EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On 3-16-90, a Limiting Condition for Operation (LCO) for liquid radwaste effluent line radiation monitor 1RE-0018 was exited after completion of maintenance and satisfactory testing. At the time the LCO was exited, monitor 1RE-0018 was still isolated from service by isolation valves closed under a clearance. This rendered the monitor functionally inoperable. On 3-17-90, starting at 1330 CST and ending at 1754 CST, a liquid effluent release was made with 1RE-0018 isolated and functionally inoperable. Technical Specification 3.3.3.9, Action 37 for 1-RE-0018 requires the analysis of two independent samples of the effluent in accordance with Technical Specification 4.11.1.1.1 and at least two technically qualified members of the facility staff must independently verify the release rate calculations and discharge line valving. Since the radiation monitor was erroneously considered operable, only one sample was analyzed. This event was discovered on 3-20-90 by personnel reviewing data from the Process and Effluent Radiation Monitoring System computer.

The cause of this event was cognitive personnel error. A contributing cause was procedural inadequacy. The Unit Shift Supervisor terminated the LCO without verifying the clearance was released.

Corrective actions include counseling the Unit Shift Supervisor and revising Procedures 13216-1 and 2, "Liquid Waste Release," and 10008-C, "Recording Limiting Conditions For Operation".

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-630), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) VEGP - UNIT 1	DOCKET NUMBER (2) 0 5 0 0 0 4 2 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	0 0 7	0 0	0 2	OF	0 3

TEX: (If more space is required, use additional NRC Form 306A's) (17)

A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(i) (operation or condition prohibited by Technical Specifications) because a liquid waste release was not monitored in accordance with the requirements of Technical Specification 3.3.3.9.

B. UNIT STATUS AT TIME OF EVENT

At the time of the event on 3-17-90, Unit 1 was in Mode 6 (Refueling) at 0% rated thermal power. Other than that described herein, there was no inoperable equipment which contributed to the occurrence of this event.

C. DESCRIPTION OF EVENT

On 3-16-90, Limiting Condition for Operation (LCO) 1-90-276 for liquid radwaste effluent line radiation monitor IRE-0018 was exited after completion of maintenance and satisfactory testing. At the time the LCO was exited, monitor IRE-0018 was still isolated from service by isolation valves closed under clearance 1-90-00371. This rendered the monitor functionally inoperable. On 3-17-90, starting at 1330 CST and ending at 1754 CST, a liquid effluent release was made with IRE-0018 isolated and functionally inoperable. Technical Specification 3.3.3.9, Action 37 for IRE-0018 inoperable, requires the analysis of two independent samples of the effluent in accordance with Technical Specification 4.11.1.1.1 and at least two technically qualified members of the facility staff must independently verify the release rate calculations and discharge line valving. Since the radiation monitor was erroneously considered operable, only one sample was analyzed. This event was discovered on 3-20-90 by personnel reviewing data from the Process and Effluent Radiation Monitoring System computer.

D. CAUSE OF EVENT

The cause of this event was cognitive personnel error. The Unit Shift Supervisor terminated the LCO without verifying the clearance was released. There were no unusual characteristics of the work location that directly contributed to the personnel error.

A contributing cause was procedural inadequacy. The LCO was exited upon satisfactory completion of maintenance and testing, without release of the clearance to functionally restore the monitor to operable status. Procedure 10008-C, "Recording Limiting Conditions For Operation," does not have a dedicated entry for a clearance number on the LCO status sheets. Procedures 13216-1 and 2, "Liquid Waste Release," do not adequately verify the operability of RE-0018 prior to initiation of a release.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20543, AND TO THE PAPERWORK REDUCTION PROJECT (4150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

VEGP - UNIT 1

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OF

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TEXT (If more space is required, use additional NRC Form 350A's) (17)

E. ANALYSIS OF EVENT

Analysis of the counted sample and the conditions required by the effluent permit ensured that Technical Specification limits were not exceeded. Therefore, it is concluded that there was no adverse effect on plant safety or public health and safety as a result of this event. Had the Unit been at power, there would have been no further consequences.

F. CORRECTIVE ACTION

1. The Unit Shift Supervisor has been counseled concerning LCO termination.
2. Procedure 10008-C will be revised by 4-27-90 to include an entry for clearance number on the LCO status sheet for LCO initiation.
3. Procedures 13216-1 and 2 have been revised to require the Radwaste Operator to verify with the Chemistry Department that RE-0018 is operable before initiating a release. If RE-0018 is not operable, the Unit Shift Supervisor will be notified and he will ensure that the requirements of Technical Specification 3.3.3.9 are met.

G. ADDITIONAL INFORMATION

1. Component Failures

None

2. Previous Similar Events

LER 50-424/1989-010, dated 4-13-89.

The cause for this 1989 event was different from the 3-17-90 event. Therefore, the corrective actions taken were not applicable.

3. Energy Industry Identification System Code

Liquid Waste Processing System - WD