

Georgia Power Company  
333 Piedmont Avenue  
Atlanta, Georgia 30308  
Telephone 404 526-3195

Mailing Address  
40 Inverness Center Parkway  
Post Office Box 1295  
Birmingham, Alabama 35201  
Telephone 205 868-5581

November 16, 1990

*the southern electric system*

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

ELV-02260  
0701

Docket No. 50-425

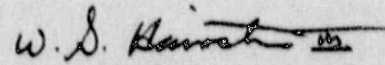
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT  
LICENSEE EVENT REPORT  
VALVING OUT RADIATION MONITOR  
LEADS TO UNMONITORED LIQUID RELEASE

In accordance with 10 CFR 50.73, Georgia Power Company hereby submits the enclosed report related to an event which was discovered on October 29, 1990.

Sincerely,



W. G. Hairston, III

WGH, III/NJS/gm

Enclosure: LER 50-425/1990-014

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

TITLE (4)  
VALVING OUT RADIATION MONITOR LEADS TO UNMONITORED LIQUID RELEASE

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)
0 9	2 7	9 0	9 0	0 1 4	0 0	1 1	1 6	9 0			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR (11)									
6		20.402(b)			20.405(c)			50.73(a)(2)(iv)			73.71(b)
POWER LEVEL		20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)
0		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	
R. M. ODOM, NUCLEAR SAFETY AND COMPLIANCE		AREA CODE	826-3201
		404	

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

ABSTRACT (16)

On 9-19-90, the Steam Generator Blowdown (SGBD) System was removed from service for maintenance and the SGBD effluent line radiation monitor 2RE-0021 was valved out and isolated without a Limiting Condition for Operation (LCO) tracking sheet being initiated.

On 9-27-90, a portion of the SGBD System was restored to service in order to drain Steam Generator (SG) #3. However, 2RE-0021 was not restored to service and a violation of Technical Specification (TS) Table 3.3-9, Action 38, occurred when the SG contents were released to the Savannah River (via the Waste Water Retention Basin) and no grab samples were taken. On 10-1-90, a similar release occurred when SG #4 was drained.

On 10-20-90, a monthly alignment check was being performed on the 2RE-0021 radiation monitor skid when personnel discovered that radiation monitor 2RE-0021 was isolated. The Shift Supervisor (SS) was notified and a LCO tracking sheet was initiated.

The Shift Supervisor (SS) on duty failed to adequately identify the LCO requirement for 2RE-0021 on 9-19-90. The SS was counseled regarding the proper reviews to ensure TS compliance prior to removing equipment from service. Samples taken prior to draining and after refilling the SG's indicated no primary to secondary leaks.

**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQ NUM	REV			
		90	014	00	2	OF	3

VOGTLE ELECTRIC GENERATING PLANT - UNIT 2      05000425

TEXT

**A. REQUIREMENT FOR REPORT**

This report is required per 10 CFR 50.73 (a)(2)(i) because a liquid waste release was not monitored in accordance with Technical Specification (TS) requirements.

**B. UNIT STATUS AT TIME OF EVENT**

At the time of the event on 9-27-90, Unit 2 was in Mode 6 (Refueling) at 0% of rated thermal power. Radiation effluent monitor 2RE-0019 was out of service at the time. Other than this and other equipment described herein, there was no inoperable equipment which contributed to the occurrence of this event.

**C. DESCRIPTION OF EVENT**

On 9-19-90, the Steam Generator Blowdown (SGBD) System was removed from service for maintenance and the SGBD effluent line radiation monitor 2RE-0021 was valved out and isolated without a Limiting Condition for Operation (LCO) tracking sheet being initiated.

On 9-27-90, a portion of the SGBD System was restored to service in order to drain Steam Generator (SG) #3. However, 2RE-0021 was not restored to service and a violation of TS Table 3.3-9, Action 38, occurred when the SG contents were released to the Savannah River (via the Waste Water Retention Basin) and no grab samples were taken. Action 38 provides for liquid effluent releases in the event of an inoperable radiation monitor on the condition that grab samples are taken and appropriately analyzed for radioactivity. On 10-1-90, a similar release occurred when SG #4 was drained.

On 10-20-90, a monthly alignment check was being performed on the 2RE-0021 radiation monitor skid when personnel discovered the closed inlet valve which had isolated 2RE-0021. The Shift Supervisor (SS) was notified and a LCO tracking sheet was initiated.

**D. CAUSE OF EVENT**

The Shift Supervisor (SS) on duty made a cognitive personnel error when he failed to adequately identify the LCO requirement for 2RE-0021 on 9-19-90. There were no unusual characteristics of the work location which contributed to the occurrence of this error.

A contributing cause to this event was a lack of prerequisites in procedure 13601-2, "Steam Generator And Main Steam System Operation". When the SG's were drained on 9-27-90 and 10-1-90, there were no procedural requirements to ensure that 2RE-0021 was in the release flowpath.

**LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION**

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VOGTLE ELECTRIC GENERATING PLANT - UNIT 2	0 5 0 0 0 4 2 5	9 0	0 1 4	0 0	3	OF 3

TEXT

E. ANALYSIS OF EVENT

The last samples taken from the SG's prior to draining and the first samples taken after refilling indicated that there were no primary to secondary leaks in the Vogtle Electric Generating Plant SG's. In addition, there was no primary water in the SG's during this period. As a result, there was no radioactive effluent released when the SG's were drained. Based on this consideration, there was no adverse effect on plant safety or public health and safety as result of this event.

F. CORRECTIVE ACTIONS

1. The SS involved was counseled regarding the proper reviews to ensure TS compliance prior to removing equipment from service.
2. Procedures 13601-1 and 13601-2 have been revised to require that personnel either ensure 2RE-0021 is in service or provide the TS required release monitoring by utilizing grab samples.
3. A copy of this LER will be placed in the Operations Reading Book for review by licensed operators.

G. ADDITIONAL INFORMATION

1. Failed Components:  
None
2. Previous Similar Events  
None
3. Energy Industry Identification System Code:  
Liquid Waste Processing System - WD  
Main Steam System - SB