NRC Form 366 19-83)						ENSE	E EVE	NT RE	PORT	(LER)	U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85						
FACILITY	NAME (1)									DOCKET NUMBER	(2)	PAGE (3)				
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MODE (9)		20.402(b)			20.406(c) 60.36(c)(1)			×	50.73(a)(2)(iv)		73						
POWER LEVEL		20,406(a)(1)(i)							50.73(a)(2)(v)		73.7						
(10)		1913	20.4	05(a)(1)(ii)		50.36(c)(2)				50.73(a)(2)(vii)		OTHE: Abstract					
			20.406(a)(1)(iii)			50.73(a)(2)(i)				50.73(a)(2)(viii)	(A)	366A					
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At 1116 hours CDT, on April 10, 1988, plant personnel were completing maintenance on channel A of radiation monitor 1RE-2565 when a high radiation signal was received in the control room from channel C of 1RE-2565 due to a relay malfunction. The high radiation signal initiated a Containment Ventilation Isolation (CVI) signal which actuated associated valves to their proper positions. Control room personnel verified that an actual high radiation condition did not exist, and the CVI signal was reset at 1230 CDT. A prompt investigation showed that operation of the mode keyswitch while returning the monitor to service had resulted in a high radiation signal from channel C of 1RE-2565. The monitor was left in a bypass condition pending further investigation.

X NO

The cause of this event was the malfunction of a relay associated with the mode keyswitch. The relay was replaced. A contributing cause of this event was the conservatively low value for the loss-of-power default setpoints of the radiation monitor. These setpoints will be reviewed.

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YES III yes, complete EXPECTED SUBMISSION DATE!

ABSTRACT (Limit to 1400 spaces, i.e., approximplely fifteen single-space typewritten lines) [18]

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NRC Form 366A* [9-83] LICENSEE EVE	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED EXPIRES: 8/3								
FACILITY NAME (1)	DOCKET NUMBER (2)	LE	R NUMBER (6)	PAGE (3)					
		YEAR	SEQUENTIAL REVISION NUMBER						
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TEXT (If more space is required, use additional NRC Form 368A's) (17)

A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(iv) because of an unplanned actuation of an Engineered Safety Feature (ESF) system.

B. UNIT STATUS AT TIME OF EVENT

At the time of this event, Unit 1 was in Mode 1 (power operations) at 93 percent of rated thermal power. Other than the equipment failure described herein, there was no inoperable equipment that contributed to this event.

C. DESCRIPTION OF EVENT

At 1116 hours CDT, on April 10, 1988, plant personnel were completing maintenance on channel A of radiation monitor 1RE-2565 when a high radiation signal was received in the control room from channel C of 1RE-2565 due to a relay malfunction. The high radiation signal initiated a Containment Ventilation Isolation (CVI) signal (1 out of 3 logic) which actuated associated valves to their proper positions. Control room personnel verified that an actual high radiation condition did not exist, and the CVI signal was reset at 1230 CDT. A prompt investigation showed that operation of the mode keyswitch while returning the monitor to service had resulted in a high radiation signal from channel C of 1RE-2565. The monitor was left in bypass condition pending further investigation.

D. CAUSE OF EVENT

The event was caused by the malfunction of a relay when operating the mode keyswitch. The relay malfunction simulated a loss-of-power condition to channel C of the data processing module of radiation monitor IRE-2565. After a loss-of-power and the subsequent automatic power reset, a pre-programmed sequence occurs to re-input values to the monitor. During this power reset sequence, a set of default values or parameters, which are permanently stored in Programmable Read Only Memory (PROM), are loaded into the monitor registers. These default values are preselected conservative values used as an interim measure to return the monitor on-line until the actual current monitor

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104 EXPIRES: 8. 31/88

FACILITY NAME (1)	DOCKET NUMBER (2)		LER NUMBER (6)							PAGE (3)						
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

parameters can be reentered. Because these default values are significantly lower than the normal background radiation level, a high radiation alarm occurred after the power reset sequence was completed.

A contributing cause of this event was the conservatively low values of the inserted default parameters for channel C.

E. ANALYSIS OF EVENT

No actual high radiation condition existed at the time of the event as shown by the redundant radiation monitors. The valves receiving the CVI signal actuated to their correct positions. Based on these considerations, it is concluded that there was no adverse effect on plant safety or public health and safety as a result of this event.

CORRECTIVE ACTIONS F.

- 1. The malfunctioning relay was replaced.
- Plant engineering personnel are evaluating the application of this relay in the radiation monitor. The evaluation is expected to be complete by May 25, 1988.
- Plant personnel are evaluating the acceptability of the 3. permanently inserted default parameters, both in safety related and non-safety related radiation monitors. The evaluation is expected to be complete by May 25, 1988.

19-831 LICENSEE EV	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED OM EXPIRES: 8/31/8									
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G. ADDITIONAL INFORMATION

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Failed Components

Relay manufactured by Potter and Brumfield Model #K10P11A3524

2. Previous Similar Events

None

Several previous Licensee Event Reports addressed events relating to this radiation monitor; however, none of these events were caused by the failure of a relay.

3. Energy Industry Identification System

Radiation Monitoring System - IL Containment Isolation Control System - JM Georgia Power Company 333 Pedmont Avenue Atlanta, Georgia 30308 Telephone 404 526 6526

Mailing Address: Post Office Box 4545 Atlanta, Georgia 30302

Executive Department



the southern electric system

SL-4638 0919m X7GJ17-V310

May 6, 1988

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

PLANT VOGTLE - UNIT 1
NRC DOCKET 50-424
OPERATING LICENSE NPF-68
LICENSEE EVENT REPORT
RELAY FAILURES CAUSES A
CONTAINMENT VENTILATION ISOLATION

Gentlemen:

Georgia Power Company is submitting a Licensee Event Report (LER) concerning an unplanned actuation of an Engineered Safety Feature (ESF) system.

Sincerely,

R. P. McDonald

Executive Vice President,

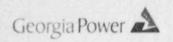
Nuclear Operations

PAH/1m

Enclosure: LER 50-424/1988-010

c: (see next page)

IE22



U. S. Nuclear Regulatory Commission May 6, 1988 Page Two

c: Georgia Power Company Mr. P. D. Rice Mr. G. Bockhold, Jr. GO-NORMS

U. S. Nuclear Regulatory Commission
Dr. J. N. Grace, Regional Administrator
Mr. J. B. Hopkins, Licensing Project Manager, NRR (2 copies)
Mr. J. F. Rogge, Senior Resident Inspector-Operations, Vogtle