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C. K. McCoy
Vice President, Nuclear
Vogtle Project



Georgia Power

the southern electric system

July 20, 1992

ELV-03888
000515

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
UNPLANNED AUXILIARY FEEDWATER PUMP
START DURING TESTING

In accordance with 10 CFR 50.73, Georgia Power Company (GPC) hereby submits the enclosed report related to an event which occurred on June 24, 1992.

Sincerely,

C. K. McCoy
C. K. McCoy

CKM/NJS

Enclosure: LER 50-424/1992-006

xc: Georgia Power Company
Mr. W. B. Shipman
Mr. M. Sheibani
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) **VOGTLE ELECTRIC GENERATING PLANT - UNIT 1** DOCKET NUMBER (2) **05000424** PAGE (3) **1** OF **3**

TITLE (4)
UNPLANNED AUXILIARY FEEDWATER PUMP START DURING TESTING

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)
06	24	92	92	006	00	07	20	92			05000
											05000

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR (11)

OPERATING MODE (9)	20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(c)	50.36(c)(1)	50.36(c)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vi)	50.73(a)(2)(vii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(x)	73.71(b)	73.71(c)	OTHER (Specify in Abstract below)	
1													X									
POWER LEVEL	100																					

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
MEHDI SHEIBANI	AREA CODE: 706, NUMBER: 826-3209

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)

YES (if yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (16)

On June 24, 1992, personnel were testing the Train A engineered safety features actuation system (ESFAS) sequencer per temporary procedure T-ENG 92-09, "Sequencer Monthly Test While ATI Out Of Service." At 0916 EDT, a sequencer undervoltage (UV) test was initiated, but no ESF components were expected to actuate. In the control room, personnel observed annunciators indicating that the steam inlet valve to the turbine driven auxiliary feedwater pump (TDAFWP) had opened and that auxiliary feedwater (AFW) was flowing to all four steam generators (SGs). Control room operators quickly verified that no valid AFW start signal existed and closed the AFW discharge valves, stopping AFW flow to the SGs. Following further review of plant conditions, the TDAFWP was stopped at 0918 EDT and was returned to standby readiness.

The cause of this event was an error in the vendor manual for the sequencer which indicated that no component actuations would occur when the UV test was initiated. No further testing utilizing procedure T-ENG 92-09 is planned. The vendor manual has been corrected to reflect the actuation of the UV relays by the sequencer during UV testing.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQ NOM	REV			
VOGTLE ELECTRIC GENERATING PLANT - UNIT 1	05000424	92	006	00	2	OF	3

TEXT

A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(iv) because an unplanned engineered safety feature (ESF) actuation occurred when the turbine driven auxiliary feedwater pump (TDAFWP) started.

B. UNIT STATUS AT TIME OF EVENT

At the time of this event, Unit 1 was in Mode 1 (power operation) at 100 percent of rated thermal power. The automatic test insertion (ATI) circuitry of the ESF actuation system (ESFAS) sequencer has been disabled since April 24, 1992. (See LER 50-424/1992-002.) There was no other inoperable equipment which contributed to the occurrence of this event.

C. DESCRIPTION OF EVENT

On June 24, 1992, personnel were testing the Train A ESFAS sequencer per temporary procedure T-ENG 92-09, "Sequencer Monthly Test While ATI Out Of Service." At 0916 EDT, a sequencer undervoltage (UV) test was initiated, but no ESF components were expected to actuate. In the control room, personnel observed annunciators indicating that the steam inlet valve (1HV-5106) to the TDAFWP had opened and that auxiliary feedwater (AFW) was flowing to all four steam generators (SGs). Additionally, the sample valves from SGs 1 and 4 closed. Within seconds, personnel verified that no valid AFW start signal existed and closed the AFW discharge valves, stopping AFW flow to the SGs. Following further review of plant conditions, the TDAFWP was stopped at 0918 EDT and was returned to standby readiness. The SG sample valves were reopened.

D. CAUSE OF EVENT

The direct cause of this event was an actuation of the undervoltage relays K266 and K267 by the sequencer. These relays actuated valve 1HV-5106 and the SG sample valves for SGs 1 and 4.

The root cause of this event was an error in the vendor manual for the sequencer which indicated that no component actuations would occur when the UV test was initiated. Discussion with vendor personnel confirmed this error in the manual.

E. ANALYSIS OF EVENT

All AFW components actuated as designed, ensuring that emergency feedwater was available had it been required. Control room personnel responded appropriately to stop AFW flow, preventing fluctuations in SG water levels and a possible unit transient. Based on these considerations, there was no adverse impact on plant safety or the health and safety of the public as a result of this event.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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CORRECTIVE ACTION

1. No further testing utilizing procedure T-ENG 92-09 is planned.
2. The vendor manual has been corrected to reflect the actuation of the K266 and K267 undervoltage relays by the sequencer during UV testing.

ADDITIONAL INFORMATION

Affected Components:

None

Previous Similar Events:

None

3. Energy Industry Identification System Code:

Auxiliary Feedwater System - BA

ESF Actuation System - JE

Main Feedwater System - SJ