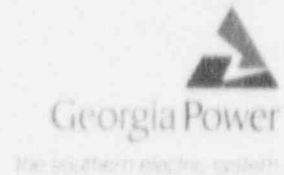


Georgia Power Company
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Post Office Box 1296
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Telephone 205 877-7122

C. K. McCoy
Vice President, Nuclear
Vogtle Project

May 26, 1992



ELV-03777
000416

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
AUXILIARY FEEDWATER ACTUATION
FOLLOWING MAIN FEEDPUMP TRIP

In accordance with 10 CFR 50.73, Georgia Power Company (GPC) hereby submits the enclosed report related to an event which occurred on May 7, 1992.

Sincerely,

C. K. McCoy
C. K. McCoy

CKM/NJS

Enclosure: LER 50-425/1992-009

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) VOOTLE ELECTRIC GENERATING PLANT - UNIT 2 DOCKET NUMBER (2) 05000425 PAGE (3) 1 of 3

TITLE (4)
AUXILIARY FEEDWATER ACTUATION FOLLOWING MAIN FEEDPUMP TRIP

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)
05	07	92	92	009	00	05	26	92			05000

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR (11)									
POWER LEVEL	0	20.402(b)	20.405(c)	A	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					
		20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	Abstract below)					
		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
MEHDI SHEIBANI, NUCLEAR SAFETY AND COMPLIANCE	AREA CODE 706 826-3209

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORT TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORT TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)		X NO		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
		X					

ABSTRACT (16)

On May 7, 1992, personnel were performing lube oil tests on the "B" main feedpump (MFP), per procedure, in preparation for unit startup following a refueling outage. The "A" MFP was tripped and out of service while being filled and vented. The motor driven auxiliary feedwater (AFW) pumps were supplying water to the steam generators (SGs). At 2312 EDT, while the "B" MFP's main lube oil pump was running, the "B" MFP's standby lube oil pump was started, per the test procedure, and the "B" MFP tripped. An AFW start signal was initiated due to both MFPs being tripped, and the AFW discharge valves opened fully, as designed. Control room personnel throttled the flow and maintained normal SG water levels.

The cause of this event was a failure to maintain MFP lube oil temperature. This represents a procedure deficiency, because the test procedure did not take into account the effect of temperature on lube oil system operation. Colder than normal lube oil temperature upon startup led to higher viscosity and a higher than normal lube oil pressure required to establish flow in the lube oil system. When the standby pump was started, oil pressure spiked high enough to actuate a thrust bearing wear trip device, which actuated a MFP trip. Procedures will be enhanced to specify a minimum lube oil temperature prior to performing standby lube oil pump testing.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQ NUM	REV			
VOGTLE ELECTRIC GENERATING PLANT - UNIT 2	05000425	92	009	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 auxiliary feedwater (AFW) system started.

B. UNIT STATUS AT TIME OF EVENT

At the time of this event, Unit 2 was in Mode 2 (startup) at 0 percent of 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 May 7, 1992, personnel were performing lube oil tests on the "B" main feedpump (MFP), per Procedure 14993-2, "Main Feedpump Turbine Lube Oil System Test," in preparation for unit startup following a refueling outage. The "A" MFP was tripped and out of service while being filled and vented. The motor driven AFW pumps were supplying water to the steam generators (SGs). At 2312 EDT, while the "B" MFP's main lube oil pump was running, the "B" MFP's standby lube oil pump was started, per the test procedure, and the "B" MFP tripped. An AFW start signal was initiated due to both MFPs being tripped, and the AFW discharge valves opened fully, as designed. Control room personnel throttled the flow and maintained normal SG water levels.

D. CAUSE OF EVENT

The cause of this event was a failure to maintain MFP lube oil temperature. This represents a procedure deficiency, because the test procedure did not take into account the effect of temperature on lube oil system operation. Colder than normal lube oil temperature upon startup (65 degrees F) led to higher viscosity and a higher than normal lube oil pressure required to maintain flow in the lube oil system. When the standby pump was started, oil pressure spiked high enough to actuate a thrust bearing wear trip device, which actuated a MFP trip.

E. ANALYSIS OF EVENT

Upon receipt of the second MFP trip signal, the AFW system actuated to provide full flow to the SGs, as designed. This provides assurance that the SGs would have received adequate feedwater flow had the unit been operating at a higher power level. Based on this consideration, there was no adverse effect on plant safety or the health and safety of the public as a result of this event.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQ NUM	REV			
VOGTLE ELECTRIC GENERATING PLANT - UNIT 2	05000425	92	009	00	3	OF	3

TEXT

F. CORRECTIVE ACTION

1. Although troubleshooting did not reveal a direct cause of this event, the vendor advised that operating with cold lube oil could cause the thrust bearing wear trip device to actuate. Acting on this information, the lube oil temperature was increased, the "B" MFP testing was completed, and the MFP was placed in service.
2. Procedures 14993-1 & 2 will be enhanced by June 30, 1992, to specify a minimum lube oil temperature prior to performing standby lube oil pump testing.

G. ADDITIONAL INFORMATION

1. Failed Components

None

2. Previous Similar Events

None

3. Energy Industry Identification System Code

Main Feedwater System - SJ

Auxiliary Feedwater System - BA

Main Feedwater Pump Turbine Lube Oil System - SL