NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO 3150-0104
EXPIRES 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Joseph M. Farley - Unit 1	0 5 0 0 0 3 4 8	1 OF 0 2

TITLE (4)
Reactor Trip

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)
0 6	0 8	8 5	8 5	-	0 1 0	-	0 0	0 7	0 3	8 5		0 5 0 0 0
												0 5 0 0 0

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 2 2	20.402(b)	20.405(c)	X 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)	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
	AREA CODE
J. D. Woodard	2 0 5 8 9 9 - 5 1 5 6

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

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

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

At 0202 on 6-8-85, a reactor trip occurred due to underfrequency on the reactor coolant pump (RCP) buses. Prior to the trip, reactor power had been reduced to 22 percent of full power as part of a controlled shutdown to perform a balance move on the main turbine. The underfrequency condition occurred because the RCP bus power sources had not been realigned to the startup transformers prior to tripping the main turbine. The underfrequency condition caused the breakers supplying power to the RCPs to open. All three RCPs were de-energized causing a loss of forced coolant circulation. The 1B RCP was re-started at 0211 on 6-8-85. The loss of forced coolant circulation constituted a "Notification of Unusual Event" emergency condition.

Following the trip, the operators implemented FNP-1-EEP-0 (Reactor Trip or Safety Injection) and FNP-1-ESP-0.1 (Reactor Trip Response), ensuring that the unit was safely in Mode 3. All safety systems functioned as designed.

This event was caused by personnel error and procedural inadequacy. The individuals involved have been counseled. The appropriate procedures have been changed to verify that the RCP bus power sources have been aligned to the startup transformers prior to manually tripping the main turbine. Health/safety of the public was not affected by this event.

IE22
1/1

NRC Form 366
(9-83)

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Joseph M. Farley - Unit 1	0 5 0 0 0 3 4 8	8 5	— 0 1 0	— 0 0	0 2 OF 0 2

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

At 0202 on 6-8-85, a reactor trip occurred due to underfrequency on the reactor coolant pump (RCP) buses. Prior to the trip, reactor power had been reduced to 22 percent of full power as part of a controlled shutdown to perform a balance move on the main turbine. The underfrequency condition occurred because the RCP bus power sources had not been realigned to the startup transformers prior to tripping the main turbine. The underfrequency condition caused the breakers supplying power to the RCPs to open. All three RCPs were de-energized causing a loss of forced coolant circulation. The 1B RCP was re-started at 0211 on 6-8-85. The loss of forced coolant circulation constituted a "Notification of Unusual Event" emergency condition.

It was decided to maintain reactor power at approximately 22 percent of full power and shut down the main turbine while dumping steam to the condenser using the turbine bypass system. Maintaining power at this level would have allowed the operators to keep the main feedwater pumps in operation and minimized the probability of a reactor trip due to low steam generator levels. Also, this would have allowed a rapid return to power operation. The operating crew failed to evaluate the operating procedures properly for this situation. This led to the omission of the procedure step to realign the RCP power sources.

Following the trip, the operators implemented FNP-1-EEP-0 (Reactor Trip or Safety Injection) and FNP-1-ESP-0.1 (Reactor Trip Response), ensuring that the unit was safely in Mode 3. All safety systems functioned as designed.

This event was caused by personnel error and procedural inadequacy. The individuals involved have been counseled. The appropriate procedures have been changed to verify that the RCP bus power sources have been aligned to the startup transformers prior to manually tripping the main turbine.

Mailing Address
Alabama Power Company
600 North 18th Street
Post Office Box 2641
Birmingham, Alabama 35291
Telephone 205 783-6090

R. P. McDonald
Senior Vice President
Flintridge Building

Alabama Power
the southern electric system

July 3, 1985

Docket No. 348

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

Dear Sir:

Joseph M. Farley Nuclear Plant, Unit 1, Licensee Event Report No. LER 85-010-00 is forwarded in accordance with 10CFR50.73 to provide 30 day written notification of the occurrence.

If you have any questions, please advise.

Yours very truly,

R. P. McDonald

RPM/DSM:sam

Enclosure

xc: IE, Region II

IE22
1/1