

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Joseph M. Farley - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 4 8 1 OF 0 1											
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	2	3	8	5	0	1	2	0	0	0	7	2	2	8	5	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 6 (Check one or more of the following) (11)																			
1		20.402(a)				20.406(a)				<input checked="" type="checkbox"/> 20.734(a)(2)(iv)				20.737(a)							
POWER LEVEL (10)		20.408(a)(1)(i)				20.408(a)(1)(i)				20.734(a)(2)(v)				20.737(a)							
0		20.408(a)(1)(ii)				20.408(a)(2)				20.734(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 205A)							
9		20.408(a)(1)(iii)				20.734(a)(2)(i)				20.734(a)(2)(vii)(A)											
		20.408(a)(1)(iv)				20.734(a)(2)(ii)				20.734(a)(2)(vii)(B)											
		20.408(a)(1)(v)				20.734(a)(2)(iii)				20.734(a)(2)(viii)											
LICENSEE CONTACT FOR THIS LER (12)																					
NAME J. D. Woodard										TELEPHONE NUMBER AREA CODE 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 NRC		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC											
B	A	C	B	L	4	C	5	1	5	Y											
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)											
YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO											

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

At 1452 on 6-23-85, while operating in steady state at 99 percent of full power, a reactor trip occurred due to a high negative flux rate as detected by the power range nuclear detectors. This was caused by shutdown bank B control rods E-11 and L-11 dropping into the core. An electrical short had occurred between cables supplying power to the stationary grippers of these control rods which resulted in blown fuses in the power supply circuits. Both cables were routed through the same containment electrical penetration and the short occurred in the penetration.

Following the trip, the operators implemented FNP-1-EOP-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 an electrical short in the containment electrical penetration. The fuses were replaced and the cables were routed through a spare module in the penetration. The unit returned to power operation on 6-24-85. Health/safety of the public was not affected by this event.

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• Mailing Address

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R. P. McDonald  
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Alabama Power  
the southern electric system

July 22, 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 85-012-00 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

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