

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Joseph M. Farley - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 4 8	PAGE (3) 1 OF 0 2
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TITLE (4)
Overtemperature-delta-T Circuit Inoperable

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 8	0 4	8 4	8 4	0 1 4	0 0	0 9	0 4	8 4			0 5 0 0 0																																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (8) 1</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 1 0 0</td> <td>20.402(b)</td> <td></td> <td>20.406(e)</td> <td></td> <td>80.73(a)(2)(iv)</td> <td></td> <td>73.71(b)</td> </tr> <tr> <td>20.406(a)(1)(i)</td> <td></td> <td>80.38(c)(1)</td> <td></td> <td>80.73(a)(2)(v)</td> <td></td> <td>73.71(e)</td> </tr> <tr> <td>20.406(a)(1)(ii)</td> <td>X</td> <td>80.38(c)(2)</td> <td></td> <td>80.73(a)(2)(vi)</td> <td></td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td> </tr> <tr> <td>20.406(a)(1)(iii)</td> <td>X</td> <td>80.73(a)(2)(i)</td> <td></td> <td>80.73(a)(2)(vii)(A)</td> <td></td> </tr> <tr> <td>20.406(a)(1)(iv)</td> <td></td> <td>80.73(a)(2)(ii)</td> <td></td> <td>80.73(a)(2)(vii)(B)</td> <td></td> </tr> <tr> <td>20.406(a)(1)(v)</td> <td></td> <td>80.73(a)(2)(iii)</td> <td></td> <td>80.73(a)(2)(ix)</td> <td></td> <td></td> </tr> </table>												OPERATING MODE (8) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)											POWER LEVEL (10) 1 0 0	20.402(b)		20.406(e)		80.73(a)(2)(iv)		73.71(b)	20.406(a)(1)(i)		80.38(c)(1)		80.73(a)(2)(v)		73.71(e)	20.406(a)(1)(ii)	X	80.38(c)(2)		80.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)	20.406(a)(1)(iii)	X	80.73(a)(2)(i)		80.73(a)(2)(vii)(A)		20.406(a)(1)(iv)		80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)		20.406(a)(1)(v)		80.73(a)(2)(iii)		80.73(a)(2)(ix)		
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LICENSEE CONTACT FOR THIS LER (12)

NAME J. D. Woodard	TELEPHONE NUMBER AREA CODE: 2 0 5 8 9 9 - 5 1 5 6
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15) MONTH: DAY: YEAR:
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

At 0814 on 8-5-84, it was recognized that the potentiometers for the input from power range channel NI-43 to the Overtemperature-delta-T (OT-delta-T) circuit had not been adjusted on 8-4-84 following rescaling of NI-43. The potentiometers were adjusted and the OT-delta-T circuit was declared operable as of 1135 on 8-5-84. Health/safety of the public was not affected.

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PDR ADOCK 05000348
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 1 4	0 0	0 2	OF 0 2

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

At 1748 on 8-4-84, power range channel NI-43 was declared operable after it had been adjusted to reflect newly determined values for the output currents corresponding to 100% power. However, at 0814 on 8-5-84, it was recognized as a result of review of channel calibration data that the potentiometers for this channel's input to the OT-delta-T circuit had not been adjusted. The settings were changed and the OT-delta-T circuit was declared operable as of 1135 on 8-5-84. The unit operated at 100% power throughout this period.

Calculations show that the incorrect potentiometer settings could have produced OT-delta-T trip setpoints that were less conservative than the Technical Specification requirements. Technical Specification action statements require tripping of the bistables associated with this circuit within one hour of the time the circuit becomes inoperable. The bistables were not tripped until 0901 on 8-5-84.

The power range channel affects the OT-delta-T trip setpoint only when the axial flux difference is less than -35% or greater than +9%. This range was not exceeded during the time that the potentiometers were incorrectly set. Also, the two redundant OT-delta-T circuits were operable throughout this period.

This event was caused by procedural inadequacy in that different procedures are provided for adjusting NI currents and for OT-delta-T calibration. To prevent recurrence of this problem, the procedure for adjusting NI currents will be revised to include steps for adjustment of the OT-delta-T potentiometers.

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

September 4, 1984

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 84-014-00 is forwarded in accordance with 10CFR50.73 to provide 30 day written notification of this occurrence.

If you have any questions, please advise.

Yours very truly,

R. P. McDonald

RPM/DSM:sam

Enclosure

xc: IE, Region II

IE22
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