

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): Joseph M. Farley - Unit 2
DOCKET NUMBER (2): 05000364
PAGE (3): 1 OF 02

TITLE (4): Overtemperature - delta - T Circuits 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)
10	20	84	84	011	00	11	21	84			05000
<p>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11):</p>											

OPERATING MODE (9): 1	POWER LEVEL (10): 1.00	80.402 (b)	80.406 (a)	80.73a (2)(iv)	72.71b)
		80.406 (a)(1)(i)	80.406 (a)(1)	80.73a (2)(v)	72.71a)
		80.406 (a)(1)(ii)	80.406 (a)(2)	80.73a (2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 266A)
		80.406 (a)(1)(iii)	80.73a (2)(i)	80.73a (2)(vii)(A)	
		80.406 (a)(1)(iv)	80.73a (2)(ii)	80.73a (2)(vii)(B)	
		80.406 (a)(1)(v)	80.73a (2)(iii)	80.73a (2)(viii)	

LICENSEE CONTACT FOR THIS LER (12):
NAME: J. D. Woodard
TELEPHONE NUMBER: 205 899-5156
AREA CODE: 205

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

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

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

On 10-23-84, while reviewing the results of FNP-2-STP-227.8 (NIS Power Range Channel N43 Calibration and Functional Test) which had been performed on 10-20-84, it was determined that the potentiometer settings for the inputs from power range channel N43 to the loop 3 Overtemperature-delta-T (OT-delta-T) circuit had not been within Technical Specification requirements. These potentiometers had been reset to the correct values on 10-20-84.

Further investigation determined that none of the input potentiometers from redundant channels N41, N42 nor N43 to OT-delta-T channels 1, 2 or 3 had been readjusted following incore-excore cross-calibration in January 1984. The redundant channel potentiometers were checked and corrected as necessary on 10-24-84. Health/safety of the public was not affected.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On 10-23-84, while reviewing the results of FNP-2-STP-227.8 (NIS Power Range Channel N43 Calibration and Functional Test) which had been performed on 10-20-84, it was determined that the potentiometer settings for the inputs from power range channel N43 to the loop 3 Overtemperature-delta-T (OT-delta-T) circuit had not been within Technical Specification requirements. These potentiometers had been reset to the correct values on 10-20-84.

Further investigation determined that none of the input potentiometers from redundant channels N41, N42 nor N43 to OT-delta-T channels 1, 2 or 3 had been readjusted following incore-excore cross-calibration in January 1984. The redundant channel potentiometers were checked on 10-24-84. The specified potentiometer settings for channel N41 were determined to be acceptable, but the output of one of the two potentiometers exceeded Technical Specification requirements, due to drift, and was reset. The specified and as-found settings for channel N42 were satisfactory. The specified potentiometer settings for Channel N43 exceeded Technical Specification values due to procedural inadequacy, in that the incore-excore cross-calibration data had not been incorporated.

This incident resulted from procedural inadequacies and personnel error. Following a similar Unit 1 event in August 1984 (reference LER 84-014-00), the Unit 2 NIS quarterly calibration procedures had been revised to add steps for checking these potentiometer settings. However, supervisory personnel failed to have all Unit 2 potentiometers checked following discovery of the similar problem in Unit 1. This resulted in the Unit 2 calibration errors not being found until the next scheduled quarterly NIS calibrations in October, 1984. In addition, the revised calibration sheets contained an error which resulted in failure to recognize that N43 exceeded Technical Specification requirements on 10-20-84.

To correct the above problem all procedures concerning power range NIS and OT-delta-T calibration will be revised to assure that the latest gain settings are incorporated immediately following incore-excore cross-calibration and to check these settings quarterly. Maintenance supervisory personnel have been reinstructed to ensure that timely corrective action is taken on both units when appropriate.

Mailing Address

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R. P. McDonald
Senior Vice President
Flintridge Building



Alabama Power
the southern electric system

November 21, 1984

Docket No. 364

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

Dear Sir:

Joseph M. Farley Nuclear Plant, Unit 2, Licensee Event Report No. LER 84-011-00 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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