

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Browns Ferry - Unit 3

DOCKET NUMBER (2)

0 5 0 0 0 2 9 6 1 OF 0 2

PAGE (3)

TITLE (4)

Momentary Loss of Voltage to 4-kV Shutdown Boards 3EC and 3ED

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	1	2	9	8	4	8	4	0	0	3	0	5	0	0	0		

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)										
POWER LEVEL (10)	0	0	0	20.402(b)	20.405(e)	X	50.73(a)(2)(iv)	73.71(b)				
				20.405(a)(1)(i)	50.38(e)(1)		50.73(a)(2)(v)	73.71(e)				
				20.405(a)(1)(ii)	50.38(e)(2)		50.73(a)(2)(vi)	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)(ix)					

LICENSEE CONTACT FOR THIS LER (12)
NAME
David L. Smith
TELEPHONE NUMBER
AREA CODE
2 0 5 7 2 9 + 1 0 8 6 1 5

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	
X	EJA	BKRI	G10810	Y						

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-space typewritten lines) (16)

At 1633, an attempt was made to transfer 4-kV start bus 1B from its alternate feed (Athens line) to its normal feed (Trinity line). The normal feeder breaker failed to close. The 4-kV start bus 1B was immediately returned to its alternate feed. However, the momentary loss of voltage was sensed by the 4-kV shutdown boards 3EC and 3ED. This caused the diesel generators 3C and 3D to automatically start. Power was immediately restored to the 4-kV start bus 1B, and the diesel generators were stopped. No other events occurred related to this event. The normal feed breaker was tested and it closed satisfactorily. It was then returned to service. A thorough checkout of the breaker was performed on February 21 and 22, 1984. No problems were found which would prevent it from operating properly.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Browns Ferry - Unit 3	0 5 0 0 0 2 9 6 8 4 - 0 0 3 - 0 0	0 2	OF	0 2			

TEXT (If more space is required, use additional NRC Form 365A.) (17)

Unit 1 was operating at 57 percent, unit 2 was at 92 percent, and unit 3 was in a refueling outage. At 1633, an attempt was made to transfer 4-kV start bus 1B (BU) from its alternate to its normal feed (JX). The normal feeder breaker (BKR) failed to close which resulted in a momentary loss of voltage. The alternate feeder breaker (JX) was immediately reclosed to energize 4-kV start bus 1B.

The loss of voltage on 4-kV start bus 1B was sensed by relays on 4-kV shutdown boards 3EC and 3ED (EBCD). This resulted in diesel generators 3C and 3D (DG) automatically starting. After the alternate feed was restored to 4-kV start bus 1B, the diesel generators were stopped. No other events occurred related to this event. (The automatic start of diesel generators 3C and 3D is normal for an loss of voltage to the 4-kV shutdown boards).

The normal feeder breaker that failed to close was subsequently tested. It was cycled four times in its test position. The first time it closed, the next time it failed to close, and the next two times it closed. The breaker was returned to service and it closed satisfactorily. On February 21 and 22, the breaker was removed from service and thoroughly checked. No problems were found which would prevent it from operating properly. During this additional testing the circuit breaker never failed to close. No further recurrence control is planned.

Responsible Section - None

Previous Similar Events - None

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, Alabama 35602

February 22, 1984

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

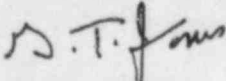
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 - DOCKET
NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE OCCURRENCE
REPORT BFRO-50-296/84003

The enclosed report provides details concerning a momentary loss of voltage
to 4-kV shutdown boards 3EC and 3ED. This report is submitted in
accordance with 10 CFR 50.73 (a)(2)(iv).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



G. T. Jones
Power Plant Superintendent
Browns Ferry Nuclear Plant

Enclosure

cc (Enclosure):
Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
101 Marietta Street, Suite 2900
Atlanta, GA 30303

NRC Inspector, Browns Ferry Nuclear Plant

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