

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry - Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 5 9 1 OF 0 2										PAGE (3) 1 OF 0 2							
TITLE (4) Containment Isolation Due To Loss Of Relay Neutral																											
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	1	3	8	5	8	5	0	2	3	0	1	0	8	2	7	8	5	0	5	0	0	0				
OPERATING MODE (9) N		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)										73.71(b)															
POWER LEVEL (10) 0 0 1 0		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(c)													
		20.405(a)(1)(i)				50.36(c)(1)				<input type="checkbox"/> 50.73(a)(2)(v)																	
		20.405(a)(1)(ii)				50.36(c)(2)				<input type="checkbox"/> 50.73(a)(2)(vii)																	
		20.405(a)(1)(iii)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(A)																	
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(viii)(B)																	
		20.405(a)(1)(v)				50.73(a)(2)(ii)				<input type="checkbox"/> 50.73(a)(2)(ix)																	
LICENSEE CONTACT FOR THIS LER (12)																											
NAME R. C. Steele												TELEPHONE NUMBER 2 0 5 7 2 9 - 3 5 8 3															
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																											
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS																	
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)				MONTH	DAY	YEAR									
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO															

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

A partial containment isolation occurred when a temporary jumper slipped off relay neutral during the replacement of a defective relay. The activated safety systems functioned as designed with no adverse effects noted.

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PDR ADOCK 05000259
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

TEXT (If more space is required, use additional NRC Form 366A 1/17)

Units 1 and 3 were in cold shutdown, and unit 2 was in a refueling outage.

On June 13, 1985, during replacement of a defective relay (16A-K19), a temporary alligator clip jumper slipped off between relays 16A-K21 and 16A-K64A resulting in a partial containment isolation. The temporary jumper was installed to maintain the neutral on several relays associated with group 6 isolation. When the jumper slipped off, the neutral was removed from devices 16A-K21, 16A-K25, 16A-K26, 16A-K56, 16A-K45, 16A-K17, 16A-K29, 86-77-2A, 86-77-15A, 86-76-17, 86-64-34, 86-64-32, 86-64-19, 86-64-29, 86-64-18, and 86-64-31 resulting in the isolation. The isolation resulted in reactor zone, and refueling zone isolation, partial standby gas treatment, and control room emergency ventilation initiation.

The dislodged jumper was reconnected, the necessary work to replace the defective relay was completed, and the temporary jumper was removed. The isolation was reset and the affected circuits were returned to service. During the event, the activated systems functioned as designed with no adverse effects noted.

A thorough evaluation revealed that the partial initiation of the standby gas treatment and the control room emergency ventilation was the expected result from loss of the temporary alligator clip jumper between relay 16A-K21 and 16A-K64A. The affected systems performed as designed.

Responsible Plant Section - N/A

Previous Events - BFRO-50-259/850024

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, Alabama 35602

August 27, 1985

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

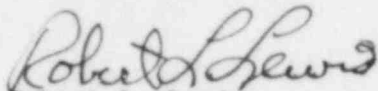
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 1 -
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE
OCCURRENCE REPORT BFRO-50-259/85023 R1

The enclosed report provides details concerning containment isolation because of loss of relay neutral. This report is submitted in accordance with 10 CFR 50.73(a)(2)(iv).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



Robert L. Lewis
Acting Plant Manager
Browns Ferry Nuclear Plant

Enclosures

cc (Enclosures):

Regional Administrator
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
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Atlanta, Georgia 30303

INPO Records Center
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NRC Resident Inspector, BFN

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