



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

Joseph R. Bynum  
Vice President, Nuclear Operations

**NOV 10 1991**

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

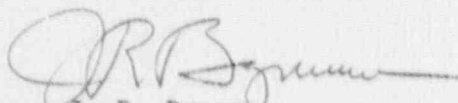
Dear Sir:

TVA - BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 1 - DOCKET NO. 50-259 -  
FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE REPORT  
BFRO-50-259/90019

The enclosed report provides details concerning loss of power on  
instrument and control bus 1A resulting in loss of various fire  
protection system detection panels placing the plant outside technical  
specifications. This report is submitted in accordance with  
10 CFR 50.73(a)(2)(1).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

  
J. R. Bynum

Enclosure  
cc: See page 2

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PDR ADOCK 05000259  
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U.S. Nuclear Regulatory Commission

Enclosure

cc (Enclosure):

INPO Records Center  
Suite 1500  
1100 Circle 75 Parkway  
Atlanta, Georgia 30339

NRC Resident Inspector, BFN

Regional Administration  
U.S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region II  
101 Marietta Street, Suite 2900  
Atlanta, Georgia 30323

Thierry M. Ross  
U.S. Nuclear Regulatory Commission  
One White Flint, North  
11555 Rockville Pike  
Rockville, Maryland 20852

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry Unit 1 | DOCKET NUMBER (2) | PAGE (3) | 050002 | 5 | 9 | 0 | 0 | 2

TITLE (4) Loss of Power on Instrument and Control Bus 1A Resulted in Loss of Various Fire Protection Panels Placing the Plant Outside Technical Specifications

EVENT DAY (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)
11	21	90	0	0	11	09	11	Browns Ferry Unit 2			05000260
11	21	90	0	0	11	09	11	Browns Ferry Unit 3			05000296

OPERATING MODE (9) N | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following)(11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	Abstract below and in
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	Text, NRC Form 366A)
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Steve Austin, Compliance Licensing Engineer	205729-2049

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS

SUPPLEMENTAL REPORT EXPECTED (14)

X YES (If yes, complete EXPECTED SUBMISSION DATE) | NO

EXPECTED SUBMISSION DATE (15) | 0 | 2 | 1 | 4 | 9 | 1

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

On December 12, 1990 at 1245 hours, an hourly fire watch was not established when instrument and control bus 1A tripped, resulting in a loss of power to various fire protection system fire detection panels.

TVA is presently conducting an investigation of this event. TVA will report the results in a supplement to this LER. The supplement will be submitted by February 14, 1991.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				PAGE (3)	
		YEAR	NUMBER	REVISION NUMBER	NUMBER	OF	PAGES
Browns Ferry Unit 1	0500025990	0	1	9	0	0	2

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

DESCRIPTION OF EVENT

On December 12, 1990 at 1245 hours, an hourly fire watch was not established when instrument and control bus 1A [EF] tripped resulting in a loss of power to various fire protection [KP] system fire detection [IC] panels.

At 0950 hours, the 480V breaker in shutdown board 1A [ED] tripped, resulting in loss of supply power to instrument and control bus 1A. At 1040 hours, plant personnel restored power to instrument and control bus 1A, and at 1045 hours, the 480V breaker feeding the bus again tripped, resulting in loss of instrument and control bus 1A. At this time fire protection personnel were notified that the instrument and control bus had tripped resulting in loss of power to various fire protection panels and fire watches would need to be established.

At 1250 hours, instrument and control bus 1A was returned to service when the breaker for the 480V shutdown board feeding instrument and control bus 1A was replaced, thus returning the fire detection panels to service.

During this event, units 1, 2, and 3 were defueled. The failure to establish compensatory measures during loss of power to the fire protection panels feed from instrument and control bus 1A resulted in a failure to meet technical specifications. Failure to meet technical specifications is reportable under 10 CFR 50.73(a)(2)(i)(B).

TVA is presently conducting an investigation of this event. TVA will report the results in a supplement to this LER. The supplement will be submitted by February 14, 1991.

COMMITMENTS

TVA will submit a supplement to this LER.

Energy Industry Identification EIIIS codes are identified in the text as [XX].