

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Browns Ferry - Unit 1DOCKET NUMBER (2)
0 5 0 0 0 2 5 1 9 1 OF 0 2

TITLE (4)

Control Room Emergency Ventilation System Actuation

EVENT DATE (6)				LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)						
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)						
0	2	1	0	8	6	8	6	0	0	5	0	0	0	2	6	0
0	2	1	0	8	6	8	6	0	0	5	0	0	0	2	9	6

OPERATING CODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											
POWER LEVEL (10) 0 0 1 0	N	20.402(b)				20.405(c)				X 50.73(s)(2)(iv)		73.71(a)	
		20.405(a)(1)(i)				50.36(e)(1)				50.73(a)(2)(v)		73.71(c)	
		20.405(a)(1)(ii)				50.36(e)(2)				50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text NRC Form 365A)	
		20.405(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(iii)(A)			
		20.405(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(iii)(B)			
		20.405(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME
David L. Smith, Compliance EngineerTELEPHONE NUMBER
AREA CODE
2 0 5 7 2 9 - 3 8 6 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

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)

During routine activities on February 10, 1986, the licensed reactor operator received a high radiation alarm from RM-90-259A in the control room which initiated actuation of the control room emergency ventilation system A and B trains. Plant personnel were dispatched to the detector to determine the cause of the high radiation alarm. Due to an internal source motor mounting bracket failure, the radiation detector's internal calibration source had fallen into close proximity of its detector giving a high radiation reading. The detector's calibration source was readjusted and Surveillance Instruction 4.2.G-1 was successfully performed. The control room emergency ventilation system A and B trains were secured to standby readiness.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Browns Ferry - Unit 1	0500025986	-	005	-	00	02 OF 02	

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

Units 1 and 2 were in refueling outages, and unit 3 was in an extended maintenance outage.

At 1352 on February 10, 1986, the licensed reactor operator received a high radiation alarm (RA) from RM-90-259A (IL) in the control room; and this initiated the control room emergency ventilation systems A and B trains (VI). Plant personnel were sent to the detector (DET) for analysis of the high alarm.

After an auxiliary unit operator determined the area where the detector was located was not in a high radiation condition, the detector was investigated. It was found that the internal calibration source motor mounting bracket was cracked which allowed the source to fall too close to the detector giving the high radiation alarm. This type failure is extremely rare with the cause of fracture unknown. The mounting bracket was repaired, the applicable Surveillance Instruction 4.2.G-1 successfully performed, and the control room emergency ventilation system A and B trains returned to standby readiness.

Since the detector performed its safety function of initiating the high radiation alarm and initiating actuation of the control room emergency ventilation system, no adverse safety situation existed during this event. No further corrective action is planned since this was a random event.

Responsible Plant Section - N/A

Previous Events - BFRO-50-260/85012

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant

P.O. Box 2000

Decatur, Alabama 35602

March 11, 1986

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

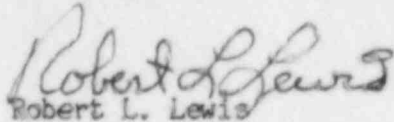
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPH-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/86005

The enclosed report provides details concerning control room emergency
ventilation system actuation. This report is submitted in accordance
to 10 CFR 50.73 (a)(2)(iv).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



Robert L. Lewis
Plant Manager
Browns Ferry Nuclear Plant

Enclosures

cc (Enclosures):

Regional Administrator
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

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

NRC Resident Inspector, Browns Ferry Nuclear Plant

RIMS, MR 4N 72A-C (w/10CFR21, Form BF-19, and Form BF-90)

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