

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Browns Ferry - Unit 2DOCKET NUMBER (2)
0 5 0 0 0 2 6 0 1 OF 0 2

TITLE (4)

HPCI Inoperable Due to Turbine Governor Control System Failure

EVENT DATE (5)
MONTH DAY YEAR
0 2 1 2 8 4 8 4
LER NUMBER (6)
YEAR SEQUENTIAL NUMBER REVISION NUMBER
0 0 3 0 0
REPORT DATE (7)
MONTH DAY YEAR
0 3 0 6 8 4
OTHER FACILITIES INVOLVED (8)
FACILITY NAMES
DOCKET NUMBER(S)
0 5 0 0 0 0
0 5 0 0 0 0THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)
OPERATING MODE (9) N
POWER LEVEL (10) 0 7 1 0
20.402(b)
20.406(a)(1)(i)
20.406(a)(1)(ii)
20.406(a)(1)(iii)
20.406(a)(1)(iv)
20.406(a)(1)(v)
20.406(c)
50.36(a)(1)
50.36(a)(2)
50.73(a)(2)(i)
50.73(a)(2)(ii)
50.73(a)(2)(iii)
50.73(a)(2)(iv)
50.73(a)(2)(v)
50.73(a)(2)(vi)
50.73(a)(2)(vii)
50.73(a)(2)(viii)(A)
50.73(a)(2)(viii)(B)
50.73(a)(2)(ix)
73.71(b)
73.71(c)
OTHER (Specify in Abstract below and in Text, NRC Form 366A)LICENSEE CONTACT FOR THIS LER (12)
NAME
David L. Smith
TELEPHONE NUMBER
AREA CODE
2 1 0 5 7 1 2 1 9 1 - 1 0 1 8 1 6 5COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)
CAUSE SYSTEM COMPONENT MANUFAC- TURER REPORTABLE TO NPRDS
X B I J I C I N I V W 1 2 1 9 1 0 YSUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

During routine surveillance testing (High Pressure Coolant Injection Turbine and Pump Flow Test), testing was stopped because the operator was unable to bring the high pressure coolant injection turbine speed down to the required 2400 rpm. Maintenance was dispatched to troubleshoot. The ramp generator signal converter was found to be performing erratically. The failure was determined to be random and the ramp generator/signal converter box was replaced. Surveillance testing was successfully performed and no recurrence control required.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

Unit 1 was operating at 97 percent power; unit 2 was operating at 70 percent power; and unit 3 was in refueling outage. Only unit 2 was affected by this event.

At 1030, the unit operator (licensed reactor operator) was performing a normal plant surveillance instruction (High Pressure Coolant Injection Turbine and Pump Flow Test). During the test, the turbine (TRB) speed was 3000 rpm and the operator was unable to bring it down to the required 2400 rpm. Therefore, the testing was stopped and the high pressure coolant injection system (BJ) declared inoperable. No adverse effects resulted. The Technical Specification requirements were met. (The high pressure coolant injection system is one of the emergency core coolant systems.)

Maintenance investigated the problem and found the ramp generator/signal converter box's (CNV) zero potentiometer adjustment (part of the turbine governor control system) to be erratic. The converter box was replaced. This is considered a random failure for the time this potentiometer was used. Subsequent surveillance testing proved the system to be performing properly. Therefore, no recurrence control is necessary.

Responsible Plant Section

N/A

Previous Similar Events

None

TENNESSEE VALLEY AUTHORITY

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

March 5, 1984

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

Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE
REPORT BFRO-50-260/84003

The enclosed report provides details concerning high pressure coolant
injection turbine inoperable due to turbine governor control system
failure. This report is submitted in accordance with 10 CFR 50.73
(a)(2)(v).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

John R. Pittman

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