

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry - Unit 1 DOCKET NUMBER (2) 050002591 OF 02 PAGE (3)

TITLE (4) Reactor Core Isolation Cooling Controller Inoperable

| 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 | | | | | | | | | | |
| 0 | 9 | 2 | 9 | 8 | 4 | 8 | 4 | 0 | 3 | 6 | 0 | 0 | 1 | 0 | 2 | 3 | 8 | 4 | |

OPERATING MODE (9) N

POWER LEVEL (10) 0184

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

| | | | |
|-------------------|------------------|----------------------|--|
| 20.402(b) | 20.406(c) | 50.73(a)(2)(iv) | 73.71(b) |
| 20.405(a)(1)(i) | 50.36(c)(1) | X 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 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) David Smith TELEPHONE NUMBER 205 729-3865

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

| CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS | CAUSE | SYSTEM | COMPONENT | MANUFACTURER | REPORTABLE TO NPRDS |
|-------|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|
| X | B | N | C | N | V | W | 290 | Y | |

SUPPLEMENTAL REPORT EXPECTED (14) YES (If yes, complete EXPECTED SUBMISSION DATE) NO X

EXPECTED SUBMISSION DATE (15)

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

During performance of surveillance instructions 4.5.F.1.d and e, Reactor Core Isolation Cooling (RCIC) system failed to properly respond to manual control signals, therefore, it was declared inoperable. HPCI testing was immediately initiated. The RCIC ramp generator and signal converter was replaced, RCIC was successfully retested and declared operable. This failure was random with no further corrective action required.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

During normal operation, unit 1 was operating at 85 percent power. Units 2 and 3 were in refueling outages.

As surveillance test 4.5.F.l.d. & e was being run on the reactor core isolation cooling system (BN), manual control signals failed to cause proper turbine (TRB) responses. The reactor core isolation cooling system was declared inoperable. Technical Specification requirements were immediately initiated.

Within 24 hours, the reactor core isolation cooling system was repaired and successfully retested. The ramp generator and signal converter (CNV) was replaced. Its output signals were erratic. This was the only problem found. Since this was a random failure, no further corrective action is necessary.

With the reactor core isolation cooling system inoperable, adequate emergency core cooling was maintained (per the requirements of the final safety analysis report) by the high pressure coolant injection system (BJ).

Responsible Plant Section - N/A

Previous Similar Events - None

October 23, 1984
BCM:DLS:BDL

TENNESSEE VALLEY AUTHORITY

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

October 23, 1984

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

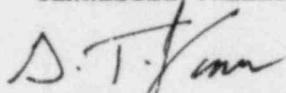
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 1 -
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-09 - REPORTABLE
OCCURRENCE REPORT BFRO-50-259/84036

The enclosed report provides details that concern the reactor core
isolation cooling controller inoperability. This report is submitted in
accordance with 10 CFR 50.73 (a)(2)(v).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



G. T. Jones
Plant Manager
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, Georgia 30303

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

NRC Resident Inspector, BFN

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