

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 A L B F 2 000-000000-000 411111 4 5
7 8 9 14 15 25 26 30 37 CAT 38

CONT

01 REPORT SOURCE L 6 050000260 7 052683 8 062283 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation, High Pressure Coolant Injection System was declared
03 inoperable due to blown inverter fuse F1 (T.S. 3.5.E.2). During the performance
04 of SI 4.5.E.1.b for return to service, HPCI turbine control valve failed to open
05 due to oil relay linkage misadjustment. There was no effect on public health or
06 safety. Redundant systems were available and operable. HPCI was inoperable for
07 about 21 hours.

08

09 S F 11 X 12 Z 13 X X X X X X 14 Z 15 Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20
17 LER/RO REPORT NUMBER 8 3 028 03 L 0
21 22 23 24 25 26 27 28 29 30 31 32
ACTION FUTURE EFFECT SHUTDOWN ATTACHMENT NPRD-4 PRIME COMP. COMPONENT
TAKEN ACTION ON PLANT METHOD SUBMITTED FORM SUB. SUPPLIER MANUFACTURER
X 18 Z 19 Z 20 Z 21 0000 Y 23 N 24 N 25 T 2 4 8
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 HPCI inverter fuse, Bussman part number ABC-10, blew. The fuse was replaced.
11 During return to service testing the turbine control valve failed to open due
12 to connecting rod, Terry Turbine part number D-6252-22 misadjustment. The rod
13 was adjusted and HPCI was retested satisfactorily. These failures are consid-
14 ered random failures. No recurrence control is planned.

15 E 28 100 29 NA 30 A 31 Operator observation 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
16 Z 33 Z 34 NA 35 NA 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
17 000 37 38 NA 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
18 000 40 NA 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
19 Z 42 NA 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
20 N 44 NA 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

NAME OF PREPARER

Stan Carter

PHONE

(205) 729-0889

2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 83028 Technical Specification Involved 3.5.E.2

Reported Under Technical Specification 6.7.2.b.(2) * Date Due NRC 6/25/83

Event Narrative:

Unit 1 was in a refueling outage, unit 3 was operating at 92-percent power, and were unaffected by this event. With unit 2 operating at 100-percent power, High-Pressure Coolant Injection (HPCI) Inverter Failure alarm was received on panel 9-3. The HPCI inverter was found to be inoperable due to a blown inverter fuse, F1 (Technical Specification 3.5.E.2). The fuse was replaced and the inverter was returned to service. During the performance of Surveillance Instruction 4.5.E.1.b for returning the High-Pressure Coolant Injection System to service, the turbine control valve failed to open. Investigation revealed that the oil relay linkage was out of adjustment. This is the first time linkage problems have been incurred. After discussion with Terry Turbine representatives, the oil relay assembly connecting rod was adjusted per the manufacturer's recommendations. Surveillance Instruction 4.5.E.1.c (HPCI MOV Operability) and Surveillance Instructions 4.5.1.d & e (HPCI Turbine and Pump Flow Test) were then successfully completed.

There was no effect on public health and safety. Technical Specification 3.5.E.2 allows seven days operation with HPCI inoperable. Redundant systems were available as required by Technical Specification 3.5.E.2.

Investigation did not reveal an apparent cause for these failures, therefore these are considered random failures. No recurrence control is planned.

* Previous Similar Events:

BFRO-50-259/73009W, 73018W, 73036W, 73029W, 74051W,
260/74026W (All fuse failures - No previous relay linkage problems)

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

1750 Chestnut Street Tower II

June 22, 1983

83 JUN 24 19:37
USNRC REGION 1
ATLANTA, GEORGIA

Mr. James P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE
REPORT BFRO-50-260/83028

The enclosed report provides details concerning a high-pressure coolant
injection inverter found inoperable and adjustments required on the oil
relay linkage. This report is submitted in accordance with Browns Ferry
unit 2 Technical Specification 6.7.2.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



H. J. Green
Director of Nuclear Power

Enclosure

cc (Enclosure):

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

Records Center
Institute of Nuclear Power Operations
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

NRC Inspector, Browns Ferry

OFFICIAL COPY

IE 22