

CONTROL BLOCK: [] [] [] [] [] [] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 ALBRF 2 00 - 000000 - 000 411111 5

CONT

01 REPORT SOURCE L 05000260 7 061583 8 071383 9

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). There was no effect
04 on public health or safety. Redundant systems were available and operable.
05 HPCI was inoperable for about 55 minutes.
06
07
08

09 SYSTEM CODE S F (11) CAUSE CODE X (12) CAUSE SUBCODE Z (13) COMPONENT CODE X X X X X X (14) COMP. SUBCODE Z (15) VALVE SUBCODE Z (15)
17 LER/NO REPORT NUMBER 83 EVENT YEAR 83 SEQUENTIAL REPORT NO. 034 OCCURRENCE CODE / 03 REPORT TYPE L REVISION NO. 0
ACTION TAKEN X (18) FUTURE ACTION Z (19) EFFECT ON PLANT Z (20) SHUTDOWN METHOD Z (21) HOURS 00000 ATTACHMENT SUBMITTED Y (23) NRC-4 FORM SUB. N (24) PRIME COMP. SUPPLIER N (25) COMPONENT MANUFACTURER T248 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 HPCI inverter fuse, Bussmann part number ABC-10, blew. The fuse was replaced
11 and HPCI was tested satisfactorily. This failure is considered a random
12 failure. No recurrence control is planned.
13
14

15 FACILITY STATUS E (28) % POWER 093 (29) OTHER STATUS NA (30) METHOD OF DISCOVERY A (31) DISCOVERY DESCRIPTION Operator Observation (32)
16 ACTIVITY CONTENT RELEASED OF RELEASE Z (33) AMOUNT OF ACTIVITY NA (35) LOCATION OF RELEASE NA (36)
17 PERSONNEL EXPOSURES NUMBER 000 (37) TYPE Z (38) DESCRIPTION NA (39)
18 PERSONNEL INJURIES NUMBER 000 (40) DESCRIPTION NA (41)
19 LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) DESCRIPTION NA (43)
20 PUBLICITY ISSUED DESCRIPTION N (44) DESCRIPTION NA (45)

8307220229 830713
PDR ADOCK 05000260
S PDR

NRC USE ONLY

NAME OF PREPARER Stan Carter

PHONE (205) 729-0889

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 83034 Technical Specification Involved 3.5.E.2

Reported Under Technical Specification 6.7.2.b.(2)* Date Due NRC 7/14/83

Event Narrative:

Unit 1 was in a refueling outage, unit 3 was operating at 99 percent power, and were unaffected by this event. With unit 2 operating at 93 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 10 amp inverter fuse, F1 (Technical Specification 3.5.E.2). The fuse was replaced and the inverter was returned to service. Surveillance Instruction 4.5.E.1.b (HPCI Pump Operability Test) was then successfully completed to return to HPCI system to service.

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. This fuse previously blew on May 26, 1983. Measurements of the load on the fuse indicate nothing abnormal. The HPCI inverter draws approximately 1.6 amps through this 10 amp fuse. However, a capacitor discharge occurs when this fuse is installed. This could have stressed the fuse on May 26, 1983 such that the fuse would no longer carry rated current. All connections to the HPCI inverter and its associated loads were inspected and found to be satisfactory. The inverter has been in continuous operation since June 15, 1983 with no further failures. Therefore this is considered a random failure. No recurrence control is planned.

* Previous Similar Events:

260/83028

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE 37401
1750 Chestnut Street Tower II

83 JUL 15 P 1: 53

July 13, 1983

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

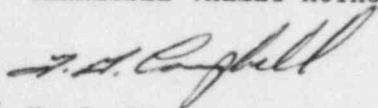
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 - DOCKET
NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - REPORTABLE OCCURRENCE
REPORT BFRO-50-260/83034

The enclosed report provides details concerning a high-pressure coolant
injection inverter found inoperable. This report is submitted in
accordance with Browns Ferry unit 2 Technical Specification 6.7.2.5(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

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

NRC Inspector, Browns Ferry

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