NRC FORM 366 (12-81) 10 CFR 50

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

APPROVED BY OMB 3150-0011

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

01	LICENSEE CODE: A L B R F 2 (2) LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3) LICENSE TYPE: 4 1 1 1 1 (4) CAT (5)
CON'T 01	REPORT SOURCE: L (6) DOCKET NUMBER: 0 5 0 0 0 2 6 0 (7) EVENT DATE: 0 6 1 5 8 3 (8) REPORT DATE: 0 7 1 3 8 3 (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

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
09	S F (11)	X (12)	Z (13)	X X X X X X (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 3	—	0 3 4	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	T 2 4 8 (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

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
15	E (28)	0 9 3 (29)	NA	A (31)	Operator Observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
17	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
18	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
19	Z (42)	NA

8307220229 830713
PDR ADOCK 05000260
S PDR

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
20	N (44)	NA	

NAME OF PREPARER Stan Carter PHONE (205) 729-0889

IE22 1/1

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

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

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.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

T. A. Campbell

for H. J. Green
Director of Nuclear Power

Enclosure
cc (Enclosure):
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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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NRC Inspector, Browns Ferry

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