NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

Line	Field	Value
01	LICENSEE CODE (2)	A L B R F 2
	LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0
	LICENSE TYPE (4)	4 1 1 1 1
	CAT (5)	
CON'T 01	REPORT SOURCE (6)	L
	DOCKET NUMBER (7)	0 5 0 0 0 2 6 0
	EVENT DATE (8)	1 2 2 9 8 3
	REPORT DATE (9)	0 1 2 7 8 4

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation, the hydrogen analyzer "B" hydrogen sample inlet pump
03 was discovered to be inoperable (T.S. 3.7.H.2). There was no effect on public
04 health and safety. T.S. 3.7.H.2 permits operation for 30 days with one
05 hydrogen analyzer inoperable. Hydrogen analyzer "A" was available and
06 operable. Hydrogen analyzer "B" was inoperable for about 14 hours.
07
08

Line 09	SYSTEM CODE (11)	CAUSE CODE (12)	CAUSE SUBCODE (13)	COMPONENT CODE (14)	COMP. SUBCODE (15)	VALVE SUBCODE (16)
	S E	E	B	M O T O R X	Z	Z

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

ACTION TAKEN (18)	FUTURE ACTION (19)	EFFECT ON PLANT (20)	SHUTDOWN METHOD (21)	HOURS (22)	ATTACHMENT SUBMITTED (23)	NPRD-4 FORM SUB. (24)	PRIME COMP. SUPPLIER (25)	COMPONENT MANUFACTURER
C	Z	Z	Z	0 0 0 0	Y	Y	L	M 2 7 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Metal Bellows Corporation motor, PN. 25626 (Mfg. by Toshiba) failed due to a
11 seized bearing. The pump and motor assembly, Metal Bellows Corporation PN.
12 26293, was replaced and SI 4.7.H was completed. The apparent cause for the
13 bearing failure was improper bearing clearance. This is considered a random
14 failure and no further recurrence control is planned.

Line 15	FACILITY STATUS (28)	% POWER (29)	OTHER STATUS (30)	METHOD OF DISCOVERY (31)	DISCOVERY DESCRIPTION (32)
	E	1 0 0	NA	B	Operator observed

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

Line 19	TYPE (42)	DESCRIPTION
	Z	NA

8402080154 840127
PDR ADOCK 05000260
S PDR

PUBLICITY

Line 20	ISSUED (44)	DESCRIPTION (45)
	N	NA

IE 22

NRC USE ONLY

NAME OF PREPARER Stan D. Carter PHONE: (205) 729-0800

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 83083 Technical Specification Involved 3.7.H.2

Reported Under Technical Specification 6.7.2.b.(2) * Date Due NRC 1/28/84

Event Narrative:

Unit 1 and unit 3 were in a refueling outage and unit 2 was operating at 100-percent power. Unit 2 was the only unit affected by this event. On December 29, 1983, during normal operation, hydrogen analyzer "B" was discovered to be inoperable due to failure of the hydrogen analyzer sample inlet pump (Technical Specification 3.7.H.2). There was no effect on public health and safety. Technical Specification 3.7.H.2 allows 30 days operation with one hydrogen analyzer inoperable. Hydrogen analyzer "A" was available and operable. The hydrogen sample inlet pump and motor assembly was replaced and SI 4.7.H was successfully completed.

Investigation revealed that the inboard motor bearing had seized, apparently due to improper bearing clearance. This is considered a random event and no further recurrence control is planned.

* Previous Similar Events:

296/83030 - Failure of an outboard end bell.
260/81056 - Bearings seized on "2B" sample return pump.
NOTE: Motor manufactured by Reliance Electric.

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

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

January 27, 1984

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 BRFO-50-260/83085

The enclosed report provides details concerning inoperability of hydrogen analyzer "B" sample inlet pump. This report is submitted in accordance with Browns Ferry unit 2 Technical Specification 6.7.2.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. A. Coffey
Director of Nuclear Power

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

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NRC Inspector, Browns Ferry

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