NRC FORM 366 (12-81) 10 CFR 50

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB 3150-0011

LICENSEE EVENT REPORT

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

0 1 | A L B R F 1 (2) LICENSEE CODE | 0 0 - 0 0 0 0 0 - 0 0 (3) LICENSE NUMBER | 4 1 1 1 1 (4) LICENSE TYPE | (5) CAT

CON'T 0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 2 5 9 (7) DOCKET NUMBER | 0 6 0 2 8 3 (8) EVENT DATE | 0 6 3 0 8 3 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation of unit 3, both stack gas radiation monitors (RM 90-147,

0 3 | RM 90-148) became inoperable due to sample pump failure. A grab sample program

0 4 | for the stack effluent (SI 4.8.B.1.a.2) was initiated as required by

0 5 | TS 3.8.B.8. There was no effect on public health and safety since the offgas

0 6 | post-treatment monitors (3-RM-90-265/266) were operable and grab sample analyses

0 7 | indicated no significant increase in activity.

0 8 |

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	M C (11)	E (12)	B (13)	P U M P X X (14)	G (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 3	—	0 2 8	/	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 (26)
A (18)	X (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	L (25)	G 0 4 6

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The glass oil filter bowl on sample pump "A" was broken. The broken filter

1 1 | bowl was replaced. Sample pump "B" failed when the Gast Mfg. (Model 2065-V2)

1 2 | rotary vacuum pump caused motor to trip out. A rebuilt pump was installed. The

1 3 | failure of pump "A" was a random occurrence. The failure of pump "B" is being

1 4 | investigated and a followup report will be issued.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	H (28)	0 0 0 (29)	NA	A (31)	Control Room Alarm

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

IE22 1/1

PUBLICITY

	ISSUED	DESCRIPTION (45)
2 0	N (44)	NA

8307120544 830630
PDR ADOCK 05000259
S PDR

NRC USE ONLY

NAME OF PREPARER James W. Burton, III

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Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50-259 / 83028 Technical Specification Involved 3.8.B.8

Reported Under Technical Specification 6.7.2.b. (2) * Date Due NRC 07/01/83

Event Narrative:

Unit 1 was in a refueling outage, unit 2 was in a maintenance outage, and unit 3 was operating at 95-percent power. All three units had the possibility of being affected by this event. At approximately 2200 hours on June 2, 1983, both stack gas radiation monitors (RM-90-147/148) became inoperable due to failure of stack gas radiation sample pump "A." The failure initiated a control room alarm. Plant operations personnel were immediately dispatched to place the redundant sample pump (pump "B") in service. A second control room alarm was received immediately after "B" sample pump was placed in service. Both "A" and "B" sample pumps were declared inoperable at this time.

The radiochemical laboratory was instructed to initiate a grab sample and analysis program for the stack effluent (SI 4.8.B.1.a.2) as required by Technical Specification 3.8.B.8. The sample pumps and their associated radiation monitors (RM-90-147/148) were declared operable at 0317 hours on June 3, 1983. Technical Specification 3.8.B.8 requires that a minimum of one stack gas radiation monitor be operable when any unit's steam jet air ejector, mechanical vacuum pump, or a standby gas treatment train is in service. This requirement was not met for approximately 5 hours and 17 minutes.

This event was caused by the failure of sample pumps "A" and "B." Sample pump "A" failed due to loss of oil (broken filter oil bowl) and sample pump "B" failed when the motor tripped out. It is believed that mechanical failure of pump "B" caused the motor to trip. The failure of pump "A" was a random occurrence. The failure of pump "B" is being investigated and a followup report will be issued upon completion of the investigation.

This event had no adverse effect on the health or safety of the public. No significant increase in activity levels was detected by analysis of the stack gas grab samples. Additionally, a review of SI 4.8.B.1.a.1 (Airborne Effluent Log) revealed no significant increase in activity during this time.

* Previous Similar Events:

None

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
1750 Chestnut Street Tower II

June 30, 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 1 - DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE REPORT BFRO-50-259/83028

The enclosed report provides details concerning the failure of the stack gas radiation monitors because of pump problems. This report is submitted in accordance with Browns Ferry unit 1 Technical Specification 6.7.2.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

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

1/1 IE22