

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01	A	L	B	R	F	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4	5											
7	8	9	14					15					25					26					35					57					58				

CONT

01	L	6	0	5	0	0	0	2	5	9	7	1	0	2	9	8	3	8	1	1	2	5	8	3	9											
7	8	60					61					68					69					74					75					80				

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During unit 1 and unit 3 refueling outage and normal operation of unit 2, stack

03 gas sample pump A tripped on overcurrent. Pump B was started and it also tripped

04 on overcurrent. Following maintenance pump B was returned to service and

05 tripped again on 11/4/83. Pump A would not start. During both events temporary

06 monitoring was established immediately per TS 3.8.B.8. There was no effect on

07 public health and safety. There are no redundant systems.

08																										
7	8																									

09	M	C	11	E	12	A	13	M	O	T	O	R	X	14	Z	15	Z	16											
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24												
17		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
83		—		064		/ 03		L		0		A		X		Z		Z		0000		Y		N		L		R165	
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Pumps A and B and motor A (Reliance model C14G502) were replaced after first

11 event. Motor A winding, bearings, and capacitors were bad. Both pumps were

12 good. After second event motor A and fuses were replaced and motors A and B

13 overload heater sizes were increased. Follow-up report will be issued by

14 1/15/84 after fuse and motor evaluation.

15	H	28	0	0	0	29	NA	30	A	31	Operator observation	32
7	8	9	10	11	12	13	14	15	16	17	18	19

16	Z	33	Z	34	NA	35	NA	36
7	8	9	10	11	12	13	14	15

17	0	0	0	37	Z	38	NA	39
7	8	9	10	11	12	13	14	15

18	0	0	0	40	NA	41	NA	42
7	8	9	10	11	12	13	14	15

19	Z	42	NA	43	NA	44	NA	45
7	8	9	10	11	12	13	14	15

20	N	44	NA	45	NA	46	NA	47
7	8	9	10	11	12	13	14	15

NAME OF PREPARER S. W. Solley

PHONE 205-729-0891

8312080103 831125
PDR ADOCK 05000259
S PDR

NRC USE ONLY

LER SUPPLEMENTAL INFORMATION

BFRO-50-259 / 83064 Technical Specification Involved 3.8.B.8

Reported Under Technical Specification 6.7.2.b.(2)* Date Due NRC 11/28/83

Event Narrative:

Unit 1 and unit 3 were in a refueling outage; unit 2 was operating normally at 95 percent power. Unit 2 was affected by this event. On October 29, 1983, at 1830 hours, stack gas monitor pump A annunciated no flow. B pump was placed in service and tripped off at 1845. Therefore, both main stack monitoring channels were inoperable (Technical Specification 3.8.B.8). Temporary monitoring was initiated. Pump motor A had failed and it was replaced. Pumps A and B were replaced. Subsequent testing revealed no problem with the pumps. Pump B was declared operable at 0915 on November 1, 1983. On November 4, 1983, at 0400 hours, pump B tripped again. Pump A would not run. Temporary monitoring was initiated. Fuses for pump A had blown and were replaced. Motor A was pulling excessive current and was again replaced. The overload heaters for both motors were found to be undersized and were replaced with larger overload heaters in accordance with manufacturers guidelines for the rated current of the motor. Pump B was returned to service on November 4, 1983 at 2240 hours. Pump A was returned to service on November 9, 1983 at 1032 hours.

There was no effect on public health and safety in that temporary monitoring was established per Technical Specification 3.8.B.8.

The motor that failed during the first event had to be rewound and bearings and capacitors replaced. The replacement motor which failed and the fuse circuitry for these motors is being evaluated.

A follow-up report is expected by January 15, 1984.

* Previous Similar Events:

BFRO-50-259/7316, 7324, 7482, 83028, 83030

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

1750 Chestnut Street Tower 11

83 NOV 30 7:22

November 25, 1983

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

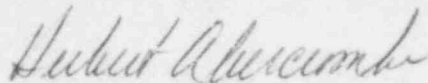
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/83064

The enclosed report provides details concerning the failure of a stack
gas sampling pump motor. 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):

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

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