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)

Line	Field	Entry
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)	0 3 2 5 8 3
	Report Date (9)	0 4 2 2 8 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During rod pulls to set the target rod pattern, the calculated R factor
03 (FRP/CMFLP) was less than R setpoint for 54 minutes (T.S. 2.1.A.1.a&c). The R
04 setpoint was 0.901. The calculated R was 0.880. There was no effect on health
05 or safety of the public in that the APRM scram value (calculated) was not
06 exceeded. The 120-percent scram clamp was operable.
07
08

Line	System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
09	I A	X	Z	Z Z Z Z Z Z	Z	Z

(17) LER/RO REPORT NUMBER

Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
8 3	—	0 1 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 (26)
X	X	Z	Z	0 0 0 0	Y	N	Z	Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 While setting target rod pattern, the amount of power that could be obtained was
11 limited by condensate demineralizer problems. The rod pattern was adjusted,
12 after TIP verification of limits, and R was back within limits in 54 minutes.
13 T.S. revisions have been submitted for unit 2 (similar to present U-1 T.S.'s) to
14 allow 6-hours for correcting R.

Line	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
15	C	0 5 6	NA	B	Engineer Observation

Line	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
16	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line	Number (37)	Type (38)	Description (39)
17	0 0 0	Z	NA

PERSONNEL INJURIES

Line	Number (40)	Description (41)
18	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY

Line	Type (42)	Description (43)
19	Z	NA

8304280208 830422
PDR ADOCK 05000260
S PDR

PUBLICITY

Line	Issued (44)	Description (45)
20	N	NA

NRC USE ONLY

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Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/19/82

LER SUPPLEMENTAL INFORMATION

BFRO-50-260 / 82013 Technical Specification Involved 2.1.A.1.a & c

Reported Under Technical Specification 6.7.2.b(2) * Date Due NRC 4.24.83

Event Narrative:

Unit 1 was operating at 87-percent power; unit 3 was operating at 99-percent power. These units were unaffected by this event. With unit 2 at 56-percent power during reactor startup, the nuclear engineer noted, through normal core performance monitoring, that the calculated R (FRP/CMFLPD) of 0.880 was less than the R setpoint of 0.901 (Technical Specification 2.1.A.1. a & c). There was no effect on the public health or safety as the calculated APRM scram value was not exceeded during the event. The 120-percent scram clamp was operable during the event.

The cause of the event was the limited number of power rods that could be withdrawn to compensate for sharper rod withdrawal. Power rod withdrawal was limited by condensate demineralizer problems that restricted reactor load increase. After rod withdrawal was stopped and R was indicated out, TIP data was taken to check R factor validity and control rods were moved to restore the R factor within limits. R was noted out of limits at 0032 hours and was restored within limits at 0126 hours (54 minutes). Based on previous events and BWR Standard Technical Specifications, TVA has initiated changes to the technical specifications involved. These changes have been approved and issued for unit 1. When similar technical specification revisions are approved for units 2 and 3, TVA will be allowed six hours for R factor corrections on all 3 units.

* Previous Similar Events:

BFRO-50-259/82019
260/81018, 81037, 82022
296/81040, 81041, 81045, 82038, 82048, 82062

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP