NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | 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 01 | REPORT SOURCE L (6) | 0 5 0 0 0 2 5 9 (7) DOCKET NUMBER | 0 9 0 7 8 2 (8) EVENT DATE | 1 0 0 5 8 2 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During startup testing while performing SI 4.3.B.3-a, the rod sequence control system
03 (RSCS) on unit 1 was found to be inoperable. The RSCS was out of service for four
04 hours. Technical Specification 3.3.B.3.a requires the RSCS to be operable when in the
05 startup or run modes below 20% rated power. The control rod selected was reinserted
06 (T.S. 3.3.B.3.d). There was no effect on public health and safety. All control rods
07 were inserted.

08

09 | SYSTEM CODE R B (11) | CAUSE CODE E (12) | CAUSE SUBCODE G (13) | COMPONENT CODE I N S T R U (14) | COMP SUBCODE C (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER | EVENT YEAR 8 2 | — | SEQUENTIAL REPORT NO. 0 6 9 | / | OCCURRENCE CODE 0 3 | REPORT TYPE L | — | REVISION NO. 0

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 A General Electric sequence generator card model no. 195B948GAA failed. The card
11 was replaced and SI 4.3.B.3-a was satisfactorily completed. This is considered a
12 random event and no further recurrence control is planned.

13

14

15 | FACILITY STATUS C (28) | % POWER 0 0 0 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) Surveillance testing

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

19 | TYPE Z (42) | DESCRIPTION NA

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PDR ADOCK 05000259
S PDR

PUBLICITY

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

NAME OF PREPARER Bobby L. Irby

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 82069 Technical Specification Involved 3.3.B.3.a

Reported Under Technical Specification 6.7.2.b.(2)* Date Due NRC 10/07/82

Event Narrative:

Unit 1 was in a forced outage, unit 2 in a refueling outage, and unit 3 operating normally at 98-percent power. Unit 1 was the only unit affected by this event. During startup testing, the rod sequence control system (RSCS) failed its functional test, Surveillance Instruction (SI) 4.3.B.3-a. Prior to control rod withdrawal for startup, the ability of the RSCS to fulfill its function is verified by selecting a RSCS sequence and attempting to withdraw a control not in the selected sequence. The RSCS, if functioning correctly, will prohibit out-of-sequence control rod withdrawal.In this event the RSCS did not prohibit the partial withdrawal of the out-of-sequence control rod. The control rod was reinserted and startup suspended (Technical Specification 3.3.B.3.d). Cause of the event was determined to be a failed General Electric sequence generator card, model number 195B948GAA. The failed card was replaced and SI 4.3.B.3-a was satisfactorily completed. The RSCS was out of service for four hours. There was no effect on public health and safety. All control rods were inserted following the trial control rod withdrawal and the unit was shut down.

* Previous Similar Events:
BFRO-50-259/74020W, 78021

Retention: Period - Lifetime; Responsibility - Document Control Supervisor
*Revision: JRP