NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 | ALBRF2 (2) | 00-000-00 (3) | 4 (4) | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T 01 | REPORT SOURCE L (6) | 050002 60 (7) | 092 61 (8) | 18 69 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During a refueling outage, the turbine to reactor building doors (No. 237 and 238) were opened simultaneously, breaching secondary containment. (T. S. 3.7.C). These doors connect the unit 2 reactor zone with the turbine bay. All required safety systems were available and operable. There was no effect on public health and safety.

09 | SYSTEM CODE SA (11) | CAUSE CODE E (12) | CAUSE SUBCODE X (13) | COMPONENT CODE XXXXXX (14) | COMP. SUBCODE X (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER | EVENT YEAR 82 | — | SEQUENTIAL REPORT NO. 028 | / | OCCURRENCE CODE 03 | REPORT TYPE X | — | REVISION NO. 4

ACTION TAKEN F (18) | FUTURE ACTION X (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS 0000 (22) | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. N (24) | PRIME COMP. SUPPLIER L (25) | COMPONENT MANUFACTURER X999

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The Folger Adams interlock system failed because of loose door latch screws and electrical limit switches that were out of adjustment. The doors were closed and repaired. Procedures were revised. Modified design was successfully field tested. Implementation of the modified design is scheduled for the unit 1 cycle 6 outage.

15 | FACILITY STATUS H (28) | % POWER 000 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) Operator Observation

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

17 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE (38) | DESCRIPTION (39) NA

18 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) NA

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION NA (43)

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

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NAME OF PREPARER Stan D. Carter PHONE: (205) 729-3891

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF 17
BF 15.2
2/12/82

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 82028R4 Technical Specification Involved 3.7.C

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

Event Narrative:

Unit 1 was operating normally at 98 percent; unit 3 was operating normally at 98 percent. These units were not affected by this event. Unit 2 was shut down for refueling outage and was affected by this event.

Equipment access doors (237 and 238) between the turbine building and unit 2 reactor building were observed open at the same time. An inspection revealed that the interlock system failed to operate properly and allowed both doors to be opened simultaneously.

The doors were padlocked and repairs were completed within four hours. The Folger Adams interlock system failed because of loose latch screws and electrical limit switches that were out of adjustment. All required safety systems were available and operable. There was no effect on public health and safety.

Procedures were revised to provide a closer tolerance for setting the door position limit switches.

A modified design which utilizes limit switches to detect the alignment of the latch and the electric strike was installed utilizing the plants special test procedure. Initial field evaluation of the results of this special test indicates that the modified design resulted in improved operation of the door interlock system. The modified design is scheduled to be installed on the personnel and equipment interlock doors for units 1, 2, and 3 during the unit 1 cycle 6 outage, which is expected to begin in June 1985.

This is also a followup report to LER BFRO-50-259/83008.

Previous Similar Events

BFRO-50-259/82063, 81008, 81050, 83008
260/80045, 81024, 81025, 81032, 81038, 77015

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant
P. O. Box 2000
Decatur, Alabama 35602

December 5, 1984

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 2 - DOCKET NO. 50-260 - FACILITY OPERATING LICENSE DPR-09 - REPORTABLE OCCURRENCE REPORT BFRO-50-260/82028R4

The enclosed report provides additional details concerning breach of secondary containment. This report is submitted in accordance with Browns Ferry Unit 2 Technical Specification 6.7.2.b.(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

G. T. Jones

G. T. Jones
Plant Manager
Browns Ferry Nuclear Plant

Enclosure
cc (Enclosure):
Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
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NRC Resident Inspector, BFN

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