NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With Unit 1 in a scheduled refueling outage, preventative maintenance
0 3 revealed damaged electrical and mechanical overspeed protection assemblies
0 4 on the reactor core isolation cooling turbine. There was no danger to the
0 5 health or safety of the public, no release of activity, and no significant
0 6 resulting occurrences. See Technical Specifications 3.5.F.1. There have been
0 7 no previous similar occurrences. Since the plant was in cold shutdown redundance
0 8 was not required.

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	C E (11)	D (12)	Z (13)	I N S T R U (14)	C (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 0	—	0 1 2	/	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
G (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	L (25)	T 1 4 7

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Unclear installation instructions in the terry turbine manual resulted in
1 1 damaging the electronic overspeed, which in turn may have allowed damage to the
1 2 mechanical overspeed. Both overspeed assemblies were repaired and the manual
1 3 clarified. Overspeed trip tests will be run when unit is returned to operational
1 4 readiness.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	H (28)	0 0 0 (29)	NA	B (31)	Preventative Maintenance

	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

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	NA	

NAME OF PREPARER ____ PHONE: ____

POOR ORIGINAL

8003050

453

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF-17
BF 15.2
1/10/79

LER SUPPLEMENTAL INFORMATION

BFRO-50- 259 / 8012 Technical Specification Involved 3.5.F.1

Reported Under Technical Specification 6.7.2.b.2

Date of Occurrence 2-1-80 Time of Occurrence 2:00 pm Unit 1

Identification and Description of Occurrence:

While disassembling the RCIC Terry Turbine during preventative maintenance it was discovered that the electrical and mechanical overspeed trip mechanisms were damaged.

Conditions Prior to Occurrence:

Unit 1 - scheduled refueling outage
Unit 2 - 76% steady state power
Unit 3 - 94% steady state power

Action specified in the Technical Specification Surveillance Requirements met due to inoperable equipment. Describe.

NA - Unit in refueling outage

Apparent Cause of Occurrence: Unclear installation instructions in the Terry Turbine manual resulted in damage to the electrical overspeed which may have damaged the mechanical overspeed.

Analysis of Occurrence:

No danger to health or safety of the public, no release of activity, no damage to plant or equipment, no significant resulting occurrences.

Corrective Action: Mechanical and electrical overspeed mechanisms repaired and manual clarified. Overspeed tests to be run when unit is returned to operational readiness.

Failure Data:

NA

*Retention: Period - Lifetime; Responsibility - Administrative Supervisor

*Revision: