NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01	LICENSEE CODE: A L B R F 3 (2)	LICENSE NUMBER: 00-00000-00 (3)	LICENSE TYPE: 41111 (4) CAT (5)
CON'T 01	REPORT SOURCE: L (6)	DOCKET NUMBER: 0500029 6 (7)	EVENT DATE: 110880 (8) REPORT DATE: 120180 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operations, difficulties were encountered while trying to determine
03 EECW flow to 3B & D core spray room cooler. These problems required removing
04 cooler from service for cleaning the cooling coils and flow sensing lines. See
05 T. S. 3.5.D.1 and 3.5.A.2. There was no public health hazard. Previous
06 occurrences: 50-296-8006, 8015, 8031. Redundant loop was in service.
07
08

09	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP SUBCODE	VALVE SUBCODE
	CF (11)	X (12)	X (13)	ZZZZZZ (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	80	—	047	/	03	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP SUPPLIER	COMPONENT MANUFACTURER
X (18)	Z (19)	Z (20)	Z (21)	0000	Y (23)	N (24)	Z (25)	Z999

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Biofouling, silt accumulation and corrosion caused room cooler and flow sensing
11 lines to develop flow restrictions. Cooler and sensing lines were cleaned and
12 flushed and returned to service. ECN 1970 will replace all carbon steel valves
13 in EECW system with stainless steel. Permanent resolution is under investigation
14 by TVA.

15	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	088 (29)	NA	B (31)	Engineer observation

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

PERSONNEL EXPOSURES

17	NUMBER	TYPE	DESCRIPTION (39)
	000 (37)	Z (38)	NA

PERSONNEL INJURIES

18	NUMBER	DESCRIPTION (41)
	000 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

19	TYPE	DESCRIPTION
	Z (42)	NA

PUBLICITY

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

NAME OF PREPARER ______________ PHONE ______________

8012020447

Tennessee Valley Authority
Browns Ferry Nuclear Plant

Form BF-17
BF 15.2
1/10/79

LER SUPPLEMENTAL INFORMATION

BFRO-50- 296 / 8047 Technical Specification Involved 3.5.D.1 & 3.5.A.2

Reported Under Technical Specification 6.7.2.b (2)

Date of Occurrence 11/8/80 Time of Occurrence 1845 Unit 3

Identification and Description of Occurrence:

Difficulties were encountered while trying to determine EECW flow to 3B and D while performing periodic flow under MRI-303. Flow was 74 gpm; required flow is 75 gpm. Core spray room cooler necessitated removing the room cooler from service for cleaning the cooling coil and the flow sensing lines.

Conditions Prior to Occurrence:

Unit 1 - 1073 MWe.

Unit 2 - refueling outage.

Unit 3 - 972 MWe- coastdown for EOC-3.

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

Redundant loop was operable.

Apparent Cause of Occurrence:

Biofouling, silt accumulation, and corrosion caused room cooler and flow sensing lines to become restricted.

Analysis of Occurrence:

There was no damage to plant equipment. There was no activity release, no personnel exposure or injury and no danger to the health or safety of the public.

Corrective Action:

The room cooler and flow sensing lines were cleaned and flushed and the cooler was returned to service with satisfactory flow of 80 gpm. Under ECN 1970, all carbon steel valves in EECW piping 4" and smaller are being replaced with stainless steel valves. A study is in progress to determine the best method of dealing with EECW flow problems. A DCR has been issued for EN DES to evaluate switching safety related EECW loads to a closed cooling water system. Also, preparations are in progress to begin chlorination of the EECW/RHRSW system.

Failure Data:

LER BFRO 50-296/80006/80015/8031

*Retention: Period - Lifetime; Responsibility - Administrative Supervisor

*Revision: