U.S. NUCLEAR REGULATORY

LICENSEE EVENT REPORT

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

0 1 | A L B R F 2 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)

7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T

0 1 | REPORT SOURCE X (6) | 0 5 0 0 0 2 6 0 (7) | 0 1 1 7 8 0 (8) | 0 1 3 0 8 0 (9)

7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation it was discovered that a spare Dresser Industries safety valve

0 3 | had a guide with cracks. Preliminary engineering evaluation has shown guide is a non-

0 4 | pressure boundary component and not necessary to maintain integrity of primary

0 5 | coolant system. Evaluation also indicates no interference with valve operation. T.S.

0 6 | not applicable. There was no danger to health or safety of public. No previous

0 7 | occurrence.

0 8 |

7 8 9 80

0 9 | SYSTEM CODE C C (11) | CAUSE CODE B (12) | CAUSE SUBCODE B (13) | COMPONENT CODE V A L V E X (14) | COMP. SUBCODE P (15) | VALVE SUBCODE B (16)

7 8 9 10 11 12 13 18 19 20

(17) LER/RO REPORT NUMBER: EVENT YEAR 8 0 | — | SEQUENTIAL REPORT NO. 0 2 5 | / | OCCURRENCE CODE 0 1 | REPORT TYPE T | — | REVISION NO. 0

21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN X (18) | FUTURE ACTION C (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS (22) 0 0 0 0 | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. Y (24) | PRIME COMP. SUPPLIER L (25) | COMPONENT MANUFACTURER D 2 4 3 (

33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Crack induced during initial pouring of casting and subsequent cooling with service

1 1 | condition caused cracks to become visible. Spare valves on hand will be disassembled

1 2 | and inspected for cracks. Valve usage expected to be terminated by spring 1983.

1 3 | Dresser safety valve, Model 3707RA-RT21, Size 6 x 10, pressure class 1500 lbs.,

1 4 | A565 material.

7 8 9 80

1 5 | FACILITY STATUS E (28) | % POWER 0 9 4 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY D (31) | DISCOVERY DESCRIPTION (32) Another Utility

7 8 9 10 12 13 44 45 46 80

1 6 | ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

7 8 9 10 11 44 45 80

PERSONNEL EXPOSURES

1 7 | NUMBER 0 0 0 (37) | TYPE Z (38) | DESCRIPTION (39) NA

7 8 9 11 12 13 80

PERSONNEL INJURIES

1 8 | NUMBER 0 0 0 (40) | DESCRIPTION (41) NA

7 8 9 11 12 80

LOSS OF OR DAMAGE TO FACILITY

1 9 | TYPE Z (42) | DESCRIPTION (43) NA

7 8 9 10 80

PUBLICITY

2 0 | ISSUED N (44) | DESCRIPTION (45) NA 8007080373 | NRC USE ONLY

7 8 9 10 68 69 80

NAME OF PREPARER _____ PHONE: _____

Tennessee Valley Author
Browns Ferry Nuclear Plant

Form BF-17
BF 15.2
1/10/79

LER SUPPLEMENTAL INFORMATION

BFRO-50- 260 / 8025 Technical Specification Involved Not applicable

Reported Under Technical Specification 6.7.2.a(9)

Date of Occurrence 6/17/80 Time of Occurrence 12:30 p.m. Unit 2

Identification and Description of Occurrence:
This was first discovered at another utility. Subsequently, a spare Dresser main steam safety valve was inspected at BFNP and found to have cracks on the upper portion of the guides.

Conditions Prior to Occurrence:

Unit 1 - Hot shutdown, preparing to go critical for return to service.

Unit 2 - Normal operation at 1055 MWe.

Unit 3 - Normal operation at 1100 MWe.

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

NA

Apparent Cause of Occurrence:
Cracks were induced at the time of initial pouring of the casting and subsequent cooling with service conditions of alternate high heating and cooling causing the cracks to become more apparent.

Analysis of Occurrence:
Dresser engineering evaluation was that the cracks, due to the method of their forming, would not be liable to propagate. Battelle Memorial Institute has confirmed the initial evaluation of Dresser Engineering Personnel and their metallurgist agrees that no propagation of the crack is indicated by the sample which was examined.

Corrective Action:
Cracking in this guide (which is not a pressure retaining part) has no effect on the operation, functionability, or design life of the valve. All guides will be inspected for cracks.

Failure Data:
NA

*Retention: Period - Lifetime; Responsibility - Administrative Supervisor

*Revision: