

LICENSEE EVENT REPORT

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

01 M D C C N 22 00 - 000000 - 00 3 411111 4 5

CON'T
01 REPORT SOURCE L6 05 000318 7 122578 8 012479 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 During normal operation an operator discovered a cracked weld on the
03 suction line of 23 reactor coolant charging pump at 1815. The small leak
04 (60 drops/min) was immediately isolated. The crack was repaired and 23
05 charging pump returned to service at 1800 on 12/26/78. 21 and 22 reactor
06 coolant pumps remained operable throughout this event. LER's 78-18 (U-2)
07 and 78-31 (U-1) describe similar events.

09 SYSTEM CODE PC 11 CAUSE CODE E 12 CAUSE SUBCODE C 13 COMPONENT CODE PIPEXX 14 COMP. SUBCODE A 15 VALVE SUBCODE Z 16

17 LER/RO REPORT NUMBER 78 2122 SEQUENTIAL REPORT NO. 049 2426 OCCURRENCE CODE 03 2829 REPORT TYPE L 30 REVISION NO. 0 32

ACTION TAKEN B 18 FUTURE ACTION F 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 000 3740 ATTACHMENT SUBMITTED Y 23 NRC FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER S030 4447

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Leak occurred due to a crack in the charging pump suction line piping. See
11 attachment for further details.

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

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

17 PERSONNEL EXPOSURES NUMBER 000 37 TYPE Z 38 DESCRIPTION NA 39

18 PERSONNEL INJURIES NUMBER 000 40 DESCRIPTION NA 41

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

20 PUBLICITY ISSUED Z 44 DESCRIPTION NA 45

7901300101

NRC USE ONLY

NAME OF PREPARER J. T. Carroll/M. J. Miernicki

PHONE 301-234-7943/7960

LER 78-49/3L
DOCKET NO. 50-318
EVENT DATE 12/25/78
REPORT DATE 01/24/79
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS: (CONTINUED)

Leak occurred due to a crack in the charging pump suction line piping. The crack was in the heat affected area of the socket weld for the suction relief valve branch line. Fatigue from pump operation during heat-up and cooldown and/or vibration of the line appears to have been the cause of the leak. A design modification (FCR 79-1004) has been initiated that will add desurgers to the charging pumps. This installation should alleviate the vibration problem and prevent further cracks from occurring at the branch connections.