

LICENSEE EVENT REPORT

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

01 FLTPIS 3 2 00010000000000000000 3 41111111 1 5
7 3 9 14 15 25 29 35 37 38
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T
01 L 5 05000250 7 0416811 3 050881 9
7 3 30 31 53 59 74 75 80
 REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
012 During heatup following refueling shutdown, a crack was found in a weld on
013 a drain line from the charging system downstream of the regenerative heat
014 exchanger. This is reportable pursuant to TS 6.9.2.b.4.
015
016
017
018

019 PIC B A P I P E X X A Z
7 3 9 10 11 12 13 14 15 16 17 18
 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE

17 81 1 0108 1 013 L 0
17 21 22 23 24 25 26 27 28 29 30 31 32
 LEAD REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION

A F Z Z 0000 Y N N X999
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 ACTION FUTURE ACTION EFFECT COMPLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED VPRO-4 FORM SUB. PRIME COMP SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27
110 The crack was in the weld area between a 1/2 inch pipe nipple and elbow.
111 During normal operation, this drain assembly is pressurized to approximately
112 RCS pressure. The nipple was shortened and the weld was replaced, and
113 found acceptable following NDT examination. Additional corrective action
114 is described in the attachment.
115

115 G 0010 NA A Operator observation
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 FACILITY STATUS Y. POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

115 Z Z NA NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 ACTIVITY TAKEN CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

117 000 Z NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

118 000 NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 PERSONNEL INJURIES NUMBER DESCRIPTION

119 Z NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

120 N NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 PUBLICITY DESCRIPTION

121 N NA
7 3 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
 NRC USE ONLY

NAME OF PREPARER P.L. Pace

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8105180 337

Additional Cause Description and Corrective Action:

The crack was located in a drain line from the charging system downstream of the regenerative heat exchanger. The crack occurred in the weld area between the $\frac{1}{2}$ inch pipe nipple associated with drain valve 120E and the reducing elbow tapped from the three-inch charging line. The defective area was cut out, and the nipple was shortened and rewelded to the elbow socket. The new weld was examined by liquid penetrant techniques and the assembly was pressure tested and found to be acceptable for use. The cause of the crack could not positively be determined, however, it was most probably caused by stress due to line vibration. The drain assembly is approximately at Reactor Coolant System pressure during normal operation.

A plant change/modification will be implemented to change the design of vent and drain assemblies. The valves to be used in the new design are long lead procurement items (approximately 8 months.) Following receipt of materials, the modification will be implemented in the subsequently scheduled extended outage.

