

LICENSEE EVENT REPORT

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

01 | F | L | T | P | S | 3 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 4 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 5

CON'T
01 | REPORT SOURCE | L | 0 | 5 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 4 | 1 | 6 | 8 | 1 | 1 | 0 | 5 | 0 | 8 | 8 | 1 | 1

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.

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019 | P | I | C | B | A | P | I | P | E | X | I | X | A | Z | 8 | 1 | 0 | 1 | 0 | 8 | 0 | 1 | 3 | L | 0 | A | F | Z | 0 | 0 | 0 | 0 | Y | N | N | X | 9 | 9 | 9

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 | G | 0 | 0 | 0 | NA | A | Operator observation

115 | Z | Z | NA

117 | 0 | 0 | 0 | Z | NA

118 | 0 | 0 | 0 | NA

119 | Z | NA

120 | N | NA

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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.



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