

LICENSEE EVENT REPORT

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

0 1 F I L S L 5 1 2 0 0 - 0 0 0 0 0 - 0 0 0 4 1 1 1 1 4 5
7 3 3 4 15 25 26 30 37 CAT 18

CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 3 3 5 7 0 4 0 1 8 3 3 0 4 1 5 8 3 9
7 3 30 31 36 38 39 44 45 46 47 48 49 50

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2 During refueling our NSSS vendor informed us that instrument nozzle
0 3 partial penetration welds could be over stressed if the external piping
0 4 imposed any bending loads on the nozzle. Design review of the RCS and
0 5 stream generator nozzles confirmed this could occur if the hole and nozzle
0 6 tolerances allowed the nozzle pipe to move which allowable tolerances
0 7 would permit. Actual tolerances are not known at this time. Margin to
0 8 yield stress was reduced, not eliminated. First event of this type.
7 3 30

0 9 SYSTEM CODE C A 11 CAUSE CODE B 12 CAUSE SUBCODE A 13 COMPONENT CODE P I P E X X 14 COMP TURCODE A 15 VALVE SUBCODE Z 16
7 3 9 10 11 12 13 14 15 16 17 18 19 20

17 LER/RO REPORT NUMBER 8 3 21 22 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN F 13 14 FUTURE ACTION Z 19 20 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 VPROH FORM SUB N 24 PRIME COMP SUPPLIER A 25 COMPONENT MANUFACTURER E 0 6 5 5 25
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0 Apparently the A/E overlooked the requirement for "substantially no loads"
1 1 when connecting instrument pipes to nozzles. Design changes (shims) will
1 2 be implemented this outage to ensure the nozzles can not move (bend) and
1 3 thus cannot stress the weld. Inspections for leakage will be done with
1 4 the fix. No effects on public health and safety.
7 3 30

1 5 FACILITY STATUS H 13 14 % POWER 0 0 0 19 20 OTHER STATUS NA 21 METHOD OF DISCOVERY D 21 22 DISCOVERY DESCRIPTION NSSS-AE Notification 23
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

1 6 ACTIVITY CONTENT Z 33 34 Z 34 35 AMOUNT OF ACTIVITY NA 36 LOCATION OF RELEASE NA 37
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

1 7 PERSONNEL EXPOSURES 0 0 0 37 38 Z 39 40 NA 41
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

1 8 PERSONNEL INJURIES 0 0 0 40 41 NA 42
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

1 9 LOSS OF OR DAMAGE TO FACILITY Z 42 43 NA 44
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

2 0 PUBLICITY ISSUED N 44 45 NA 46
7 3 13 14 19 20 21 22 23 24 25 26 27 28 29 30 31 32

NAME OF PREPARER R. R. Jennings PHONE 305-465-3550

Event Description

Codes allow partial penetration welds on instrument nozzles if "substantially no loads" are imposed by the connecting piping on the weld. There are thick walled vessels with a pipe (nozzle) inserted into a close tolerance hole and welded on the interior wall. If the hole/pipe tolerances allow movement the weld can be stressed. The fix is to permanently insert shims, if needed, to prevent this movement. Unit 2 fixed this during construction (before operating license) and we expect to find many which do not require modification based on their experience. This means the calculated stresses will be conservative. Since the highest calculated stress area has a margin of greater than 2 we do not plan any further action or inspection. We will inspect for indication of nozzle leakage during the modification, which will be implemented before startup from the current refueling outage.