

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

01 | P | A | S | E | S | I | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | | | 5
7 8 9 14 15 25 26 30 37 CAT 58

01 | R | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 8 | 7 | 7 | 0 | 3 | 0 | 1 | 8 | 3 | 8 | 0 | 3 | 3 | 1 | 8 | 3 | 9
7 8 60 81 88 89 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During the Startup Test Program, the Control Structure "A" Chlorine Detector was
03 | declared inoperable due to the failure of its constant drip feature. This is re-
04 | portable under Tech. Spec. 6.9.1.9.b. There were no adverse consequences in that
05 | the redundant detector was operable and no chlorine spill occurred.
06 |
07 |
08 |

09 | S | G | 11 | B | 12 | A | 13 | I | N | S | T | R | U | 14 | E | 15 | Z | 16
7 8 9 10 11 12 13 18 19 20
17 | L | R / R | O | 8 | 3 | 21 | - | 22 | 0 | 4 | 0 | 23 | / | 24 | 0 | 3 | 25 | L | 26 | - | 27 | 0
21 22 23 24 26 27 28 29 30 31 31
18 | F | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | 22 | Y | 23 | N | 24 | A | 25 | W | 0 | 2 | 5 | 26
33 34 35 38 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | An excessive drip rate caused the electrolyte in the detector to be used up faster
11 | than the scheduled verification of electrolyte level/refill. Corrective actions
12 | include: 1) relocation of the heat tracing sensor; 2) use of a different electro-
13 | lyte solution.
14 |

15 | B | 28 | 0 | 9 | 1 | 29 | N/A | 30 | A | 31 | Operator observation | 32
7 8 9 10 12 13 44 45 46 90
16 | Z | 33 | Z | 34 | N/A | 35 | N/A | 36
7 8 9 10 11 44 45 90
17 | 0 | 0 | 0 | 37 | Z | 38 | N/A | 39
7 8 9 11 12 13 90
18 | 0 | 0 | 0 | 40 | N/A | 41
7 8 9 11 12 90
19 | Z | 42 | N/A | 43 | 8304120180 830331
7 8 9 10 44 45 46 PDR ADOCK 05000387
20 | Z | 44 | N/A | 45 | S PDR
7 8 9 10 44 45 90
PUBLICITY ISSUED DESCRIPTION (45) N/A
7 8 9 10 44 45 90

ATTACHMENT

LER 83-040/03L-0

Previous incidents of chlorine detector inoperability have been reported in LER's 82-025, 82-053, 82-073, 83-008 and 83-020. Corrective actions described in these LER's have included a check for detector operability in Operation section's daily rounds in the Control Structure; relocation of the detectors heat tracing sensors, increasing the scheduled surveillance frequency from monthly to bi-weekly; the initiation of an engineering evaluation.

An evaluation yielded various recommendations. They are delineated below, along with actions taken.

1. Relocate heat tracing sensors into the exhaust port of the chlorine detectors. This modification will become permanent.
2. Replace the detector wick with a urethane foam filter. This item has been completed.
3. Decrease the size of the detector orifice. This item has been completed.
4. Inspect the O-ring seal at the point where the vent assembly screws into the electrolyte reservoir. This action will be completed upon receipt of parts.
5. Verify the seal at the point where the electrode screws into the reservoir and replace seals if necessary. The inspection was completed and seals were tight. This item is complete.
6. Begin use of new electrolyte solution. This item will be completed upon receipt of new solution.

The above actions are expected to correct the problem.