

LICENSEE EVENT REPORT

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

7 8 9 9 14 15 25 26 30 57 58 59
P A T M I 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CON'T
7 8 60 61 68 69 74 75 80
0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 9 7 0 3 1 1 3 8 3 8 0 4 1 2 8 3 9
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 While investigating a high Oxygen alarm on the Waste Gas System Hays Gas Analyzer
0 3 condensation was found in the analyzer. The analyzer was declared inoperable at
0 4 0330 on 3/13/83 and grab samples taken per Action 30 at T.S. Table 3.21-2.
0 5 Results of analysis indicated that Hydrogen and Oxygen concentrations were
0 6 within Tech. Spec. limits. This item is considered reportable per T.S. 6.9.2.B(2).
0 7 Public health and safety were unaffected.

7 8 9 80

7 8 9 9 10 11 12 13 18 19 20 31 32 33 34 35 36 37 40 41 42 43 44 47
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
M B 11 E 12 D 13 V A L V E X 14 X 15 P 16
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
8 3 0 0 4 0 3 L 0
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
C 18 X 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 X 25 A 4 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 A drain pot drain valve in the Hays Gas Analyzer failed to open due to corrosion.
1 1 The drain valve was replaced, condensation drain legs blown down and dried, and
1 2 the analyzer returned to service at 1755 on 3/16/83. This valve will be
1 3 incorporated into the Preventive Maintenance Program.

7 8 9 80

7 8 9 10 11 12 13 44 45 46 47 48 49 50
FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)
1 5 X 28 0 0 0 29 NRC Order A 31 Alarm Investigation

7 8 9 10 11 12 13 44 45 46 47 48 49 50
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)
1 6 Z 33 Z 34 N/A N/A

7 8 9 10 11 12 13 44 45 46 47 48 49 50
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
1 7 0 0 0 37 Z 38 N/A

7 8 9 10 11 12 13 44 45 46 47 48 49 50
PERSONNEL INJURIES NUMBER DESCRIPTION (41)
1 H 0 0 0 40 N/A

7 8 9 10 11 12 13 44 45 46 47 48 49 50
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)
1 9 Z 42 8304250031 830412 PDR ADOCK 05000289 PDR

7 8 9 10 11 12 13 44 45 46 47 48 49 50
PUBLICITY ISSUED DESCRIPTION (45)
2 0 N 44 N/A

NAME OF PREPARER R. A. Szczech

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I. Current Activities at the Time of the Occurrence

Three Mile Island Unit 1 was in a long term cold shutdown.

II. Circumstances Leading to the Occurrence

On 3/12/83 the waste gas vent header was being purged with nitrogen in preparation for placing the vent header back in service. The vent header was out of service in order to replace the diaphragms on various waste gas system valves.

While investigating a high oxygen alarm on the Hays Gas Analyzer, condensation was found in the analyzer. As a result of the condensation, the Hays Gas Analyzer was declared out of service on 3/13/83 at 0330.

On 3/14/83 at 0710, the nitrogen purging was completed and the vent header was returned to service. Since the Hays Gas Analyzer was still out of service, the minimum number of operable channels was less than that required by Tech. Spec. 3.21-2.

III. Description

While the Hays Gas Analyzer was out of service, the minimum number of operable channels was less than that required by Tech. Spec. 3.21-2. This item is considered reportable under Technical Specification 6.9.2.B (2) as operation in a degraded mode permitted by a limiting condition for operation.

Per action statement 30 of Tech. Spec. Table 3.21-2, grab samples were taken and analyzed within 4 hours after declaring the Hays Gas Analyzer inoperable. Results of the analysis indicated that the hydrogen and oxygen concentrations were within Tech. Spec. limits.

IV. Resultant Event

No significant occurrence took place as a result of this event. The Hays Gas Analyzer was returned to service after replacing the drain valve and drying out the analyzer. Analysis of the grab samples indicated hydrogen and oxygen concentrations below the Tech. Spec. limit while the analyzer was out of service.

V. Previous Events of a Similar Nature

No previous reportable events of a similar nature.

VI. Root Cause

The condensation that collects in the Hays Gas Analyzer is routed to a drain pot. When a high level is reached in the drain pot, a drain valve opens and drains the condensation to a floor drain. This drain valve failed to open due to corrosion.

VII. Immediate Corrective Action

The drain valve on the drain pot was replaced and the legs into which the condensation backed were blown down and dried. The Hays Gas Analyzer was returned to service at 1755 on 3/16/83.

VIII. Long Term Corrective Action

The solenoid drain valve will be incorporated into the Preventive Maintenance Program. There will be periodic scheduled replacement of the solenoid drain valve.

IX. Component Failure Data

The following solenoid drain valve failed due to corrosion:

ASCO Model #8262B220.