

LICENSEE EVENT REPORT

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

0 1 P A T M I 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 58

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 9 7 0 3 3 0 8 3 8 0 4 2 9 8 3 9
7 8 9 DOCKET NUMBER 58 59 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During surveillance/calibration of the Waste Gas System Hays Gas Analyzer, the
0 3 oxygen meter failed to respond to the calibration gas. The analyzer was declared
0 4 out of service at 1030 on 3/30/83 and grab samples taken per Tech. Spec.
0 5 3.21-2.2.b. Sample analysis indicated hydrogen and oxygen concentrations below
0 6 Tech. Spec. limits. Public health and safety were unaffected.
0 7
0 8

0 9 SYSTEM CODE M B 11 CAUSE CODE X 12 CAUSE SUBCODE X 13 COMPONENT CODE Z Z Z Z Z Z 14
7 8 9 9 10 11 12 13 14 15 16 17
17 LER/RO REPORT NUMBER 8 3 21 22 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN E 18 Z 19 FUTURE ACTION Z 20 EFFECT ON PLANT Z 21 SHUTDOWN METHOD Z 22 HOURS 0 0 0 22
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ATTACHMENT SUBMITTED Y 23 NPD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER X 25 COMPONENT MANUFACTURER Z 9 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 No definite root cause has been established. Maintenance checks were performed
1 1 and circuit components cleaned. Manipulation of the oxygen calibration gas
1 2 bottle resulted in meter response.
1 3
1 4

1 5 FACILITY STATUS X 28 % POWER 0 0 0 29 OTHER STATUS NRC Order 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Surveillance 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

2 0 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

NAME OF PREPARER R. A. Szczech

PHONE (717) 948-8833

8305110287 830429
PDR ADDCK 05000289
PDR

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

The Hays Gas Analyzer was taken out of service for surveillance, and calibration gas (oxygen) was run through the analyzer to check the meter response. The oxygen meter failed to respond to the calibration gas.

The Hays Gas Analyzer was declared out of service on 3/30/83 at 1030.

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. 3.21-2.2.b. 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 3.21-2.2.b, grab samples were taken and analyzed within 4 hours after declaring the Hays Gas Analyzer inoperable.

IV. RESULTANT EVENT

No significant occurrence took place as a result of this event. 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

No definite root cause has been established. Maintenance personnel were unable to adjust the monitor to obtain a response. Maintenance checks were performed and circuit components were cleaned, and response could still not be obtained. The oxygen calibration gas bottle was disconnected and agitated after a suggestion that the calibration gas had stratified. The oxygen calibration gas bottle was reconnected and the meter responded correctly.

VII. IMMEDIATE CORRECTIVE ACTION

The oxygen analyzer was recalibrated and returned to service on 4/1/83 at 1445.

VIII. LONG TERM CORRECTIVE ACTION

None.

IX. COMPONENT FAILURE DATA

None.