

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 | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | \_\_\_\_\_ | 5  
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CON'T  
0 1 | R | E | P | O | R | T | S | O | U | R | C | E | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 9 | 7 | 0 | 3 | 1 | 2 | 1 | 8 | 3 | 8 | 0 | 4 | 2 | 0 | 8 | 3 | 9  
7 8 90 91 DOCKET NUMBER 98 99 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | The Waste Gas System Hays Gas Analyzer alarmed indicating 5% oxygen in the system.  
0 3 | Analysis of grab samples revealed actual concentration at less than 0.5% oxygen  
0 4 | by volume. The analyzer was declared inoperable at 1240 on 3/21/83. Public  
0 5 | health and safety were unaffected.

0 6 | \_\_\_\_\_  
0 7 | \_\_\_\_\_  
0 8 | \_\_\_\_\_

0 9 | SYSTEM CODE: M R (11) CAUSE CODE: X (12) CAUSE SUBCODE: Z (13) COMPONENT CODE: C K T B R K (14) COMP. SUBCODE: E (15) VALVE SUBCODE: X (16)  
17 LER/RO REPORT NUMBER: 83 (21) EVENT YEAR: 83 (22) SEQUENTIAL REPORT NO.: 0110 (24) OCCURRENCE CODE: 03 (28) REPORT TYPE: L (30) REVISION NO.: 0 (32)  
ACTION TAKEN: R (33) FUTURE ACTION: Z (34) EFFECT ON PLANT: Z (35) SHUTDOWN METHOD: Z (36) HOURS: 0000 (37) ATTACHMENT SUBMITTED: Y (41) NPRO-4 FORM SUB.: N (42) PRIME COMP. SUPPLIER: Z (43) COMPONENT MANUFACTURER: Z Z Z Z Z (47)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The Hays Gas Analyzer oxygen amplifier low channel gain potentiometer and switch  
1 1 | contacts were dirty resulting in erroneous indication and alarm. These components  
1 2 | were cleaned and the analyzer returned to service at 1415 on 3/27/83.

1 3 | \_\_\_\_\_  
1 4 | \_\_\_\_\_

1 5 | FACILITY STATUS: X (28) % POWER: 000 (29) OTHER STATUS: NRC Order (30) METHOD OF DISCOVERY: Z (31) DISCOVERY DESCRIPTION: Alarm Investigation (32)

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE: Z (33) AMOUNT OF ACTIVITY: N/A (35) LOCATION OF RELEASE: N/A (36)

1 7 | PERSONNEL EXPOSURES NUMBER: 000 (37) TYPE: Z (38) DESCRIPTION: N/A (39)

1 8 | PERSONNEL INJURIES NUMBER: 000 (40) DESCRIPTION: N/A (41)

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION: N/A (43)

2 0 | PUBLICITY ISSUED: N (44) DESCRIPTION: N/A (45)

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NAME OF PREPARER: R. A. Szczech PHONE: 717-948-8833

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

In order to confirm a high oxygen alarm received from the Hays Gas Analyzer, a grab sample was taken and analyzed. The analyzer was indicating greater than 5% oxygen; the grab sample results indicated an actual concentration less than 0.5% oxygen. Consequently, at 1240 on 3/21/83 the Hays Gas Analyzer was declared inoperable leaving the minimum number of operable channels less than that required by Tech. Spec. 3.21-2.2.b.

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 condition 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. 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 completion of repairs. Analysis of the grab samples indicated hydrogen and oxygen concentrations were 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 oxygen amplifier low channel gain potentiometer and switch contacts were dirty.

VII. IMMEDIATE CORRECTIVE ACTION

The low channel gain potentiometer and switch contacts were cleaned. The circuit was recalibrated and the Hays Gas Analyzer was returned to service on 3/27/83 at 1415.

VIII. LONG TERM CORRECTIVE ACTION

The circuit components have been inspected and cleaned. No long term corrective actions are required for this isolated occurrence.

IX. COMPONENT FAILURE DATA

None