

LICENSEE EVENT REPORT

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

0 1 | P A T M I I | 2 | 0 0 - 0 0 0 0 0 0 - 0 0 | 3 | 4 1 1 1 1 | 4 | _____ | 5
7 8 9 14 15 25 26 30 57 CAT 58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2 | While performing routine readings on the Waste Gas System Hays Gas Analyser, it
0 3 | was found that no flow existed through the H₂ and O₂ rotameters. Normal flow
0 4 | was seen through the analyzer cell bypass rotameter. The analyzer was declared
0 5 | inoperable at 0130 on 3/20/83 and grab samples taken per T.S. Table 3.21-2.
0 6 | Sample analysis indicated that H₂ and O₂ concentrations were within T.S. limits.
0 7 | This item is considered reportable per T.S. 6.9.2.B(2). Public health and
0 8 | safety were unaffected.

0 9 | SYSTEM CODE | M B | 11 | CAUSE CODE | E | 12 | CAUSE SUBCODE | X | 13 | COMPONENT CODE | P I P E X X | 14 | COMP SUBCODE | A | 15 | VALVE SUBCODE | Z | 16
7 8 9 10 11 12 13 18 19 20
17 | LER/RO REPORT NUMBER | 8 3 | 21 | EVENT YEAR | 8 3 | 22 | SEQUENTIAL REPORT NO. | 0 0 6 | 24 | OCCURRENCE CODE | 0 3 | 28 | REPORT TYPE | L | 30 | REVISION NO. | 0 | 32
18 | ACTION TAKEN | E | 19 | FUTURE ACTION | X | 20 | EFFECT ON PLANT | Z | 21 | SHUTDOWN METHOD | Z | 22 | HOURS | 0 0 0 0 | 23 | ATTACHMENT SUBMITTED | Y | 24 | NFR-4 FORM SUB. | N | 25 | PRIME COMP. SUPPLIER | X | 26 | COMPONENT MANUFACTURER | X 9 9 9 | 27
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
1 0 | Dirt blockage in the flow regulator and low regulator flow setting contributed
1 1 | to this incident. Sample legs were blown down with nitrogen and pump discharge
1 2 | pressure regulator setting was raised. Proper flow was attained. Inlet filter
1 3 | will be examined and replaced if necessary.

1 4 | _____
1 5 | FACILITY STATUS | X | 28 | % POWER | 0 0 0 | 29 | OTHER STATUS | NRC Order | 30 | METHOD OF DISCOVERY | A | 31 | DISCOVERY DESCRIPTION | Operator Observation | 32
7 8 9 10 11 12 13 44 45 46 80

1 6 | ACTIVITY RELEASED | Z | 33 | CONTENT OF RELEASE | Z | 34 | AMOUNT OF ACTIVITY | N/A | 35 | LOCATION OF RELEASE | N/A | 36
7 8 9 10 11 44 45 80

1 7 | PERSONNEL EXPOSURES | 0 0 0 | 37 | TYPE | Z | 38 | DESCRIPTION | N/A | 39
7 8 9 10 11 12 13 80

1 8 | PERSONNEL INJURIES | 0 0 0 | 40 | DESCRIPTION | N/A | 41
7 8 9 10 11 12 80

1 9 | LOSS OF OR DAMAGE TO FACILITY | Z | 42 | TYPE | _____ | 43 | DESCRIPTION | N/A | 44
7 8 9 10 11 12 80

2 0 | PUBLICITY ISSUED | N | 44 | DESCRIPTION | N/A | 45
7 8 9 10 11 12 80

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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

While performing routine readings on the Hays Gas Analyzer, it was found that no flow existed through the H₂ and O₂ rotameters. During this examination, normal flow was seen through the analyzer cell bypass rotameter. All valves were properly lined up. The Hays Gas Analyzer was declared out of service on 3/20/83 at 0130.

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 the sample legs were blown down with nitrogen. 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 event with the same cause. However, LER 83-004 describes moisture accumulation in this instrument.

VI. Root Cause

The root cause appears to be dirt blockage in the flow regulator. It was also noted that the flow regulator setting was slightly low.

VII. Immediate Corrective Action

The sample legs were blown down with nitrogen and the pump discharge pressure regulator setting was raised slightly. Proper flow was attained by these actions. The Hays Gas Analyzer was returned to service at 0530 on 3/21/83.

VIII. Long Term Corrective Action

The inlet filter on the sample pump will be examined and replaced if necessary. Based upon filter inspection results, consideration will be given to including periodic filter replacement in the Preventive Maintenance Program.

IX. Component Failure Data

Not applicable.