LICENSEE EVENT REPORT

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

0 1 | T N S N P 1 (2) | 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 0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 3 2 7 (7) | 0 7 3 0 8 2 (8) | 0 8 2 7 8 2 (9)

DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With unit 1 and unit 2 at 100% RTP, the oxygen concentration in waste gas decay tank

0 3 "C" was found to be 2.74% with the hydrogen concentration greater than 4%. This event

0 4 required entry into LCO 3.11.2.5 action b. During investigation of the high oxygen

0 5 concentration cause, the oxygen monitor was found reading high and declared inoperable

0 6 on 08/02/82. This event required entry into LCO 3.3.3.10 action 43. There was no

0 7 effect on public health or safety. Previous occurrences - one (SQRO-50-327/82078).

0 8

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9 M B (11)	E (12)	E (13)	I N S T R U (14)	X (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 2	—	0 9 8	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	X (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	B 2 0 2

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The tank was isolated and the oxygen concentration reduced below 2% by addition of

1 1 nitrogen to the tank. The most probable cause of the high concentration reading has

1 2 been determined to be attributed to air inleakage into the monitor sample lines. A

1 3 design change request (DCR) has been submitted to perform a design review and

1 4 evaluation of the monitoring system.

1 5 FACILITY STATUS E (28) | % POWER 1 0 0 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) Operator observation

1 6 ACTIVITY RELEASED Z (33) | CONTENT OF RELEASE Z (34) | AMOUNT OF ACTIVITY (35) NA | LOCATION OF RELEASE (36) NA

PERSONNEL EXPOSURES

1 7 NUMBER 0 0 0 (37) | TYPE Z (38) | DESCRIPTION (39) NA

PERSONNEL INJURIES

1 8 NUMBER 0 0 0 (40) | DESCRIPTION (41) NA

LOSS OF OR DAMAGE TO FACILITY (43)

1 9 TYPE Z (42) | DESCRIPTION NA

PUBLICITY

2 0 ISSUED N (44) | DESCRIPTION (45) NA | NRC USE ONLY

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LER SUPPLEMENTAL INFORMATION

SQRO-50-327/82098 Technical Specification Involved: 3.11.2.5 and 3.3.3.10

Reported Under Technical Specification: 6.9.1.13.b

Date of Occurrence: 07/30/82 Time of Occurrence: 0559 CST

Identification and Description of Occurrence:

1. The oxygen concentration of waste gas decay tank "C" was found to be 2.74% with the hydrogen concentration greater than 4%. This event required entry into LCO 3.11.2.5 action b.

2. During investigation of the cause of the high oxygen concentration, the oxygen monitor was found reading high and declared inoperable on 08/02/82. This event required entry into LCO 3.3.3.10 action 43.

Conditions Prior to Occurrence:

1. Unit 1 and unit 2 at 100% RTP on the first event.
2. Unit 1 and unit 2 at 100% RTP on the second event.

Apparent Cause of Occurrence:

1. The most probable cause of the high indicated oxygen concentration readings has been attributed to possible air inleakage in the monitor sample lines.

2. The cause of the high monitor readings was due to a zero shift in the output of the monitor calibration.

Analysis of Occurrence:

1. Investigation of the high oxygen concentration established that the operating characteristics of the monitoring system and sample pump may allow air to be drawn into the sample lines (but not into the waste gas decay tank). This caused the monitor and grab samples to give high but conservative readings.

2. The monitor was tested per SI-243, "Channel Calibration of the Waste Gas Disposal System Oxygen and Hydrogen Analyzer," and discovered reading high due to a zero shift in the output of the monitor. This condition caused the monitor to read conservative.

Corrective Action:

1. The decay tank oxygen concentration was reduced by the addition of nitrogen in the tank. A design change request has been submitted to perform a design review and evaluation of the monitoring system. Short term corrective actions are being evaluated and considered to assure proper monitor operations until completion of the design review.

2. The monitor sample filter was cleaned and the 1 turn amplifier zero potentiometer was replaced with a 10 turn potentiometer to improve amplifier stability. The monitor was returned to service at 1445 (C) on 08/06/82. A second monitor has been installed for backup readings until completion of the design review.

Failure Data:

None.