NRC FORM 366
(7-77)

LICENSEE EVENT REPORT

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

0	1	I L Q A D 2 (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 2 6 5 (7)	0 1 0 4 7 9 (8)	0 1 2 5 7 9 (9)
				DOCKET NUMBER	EVENT DATE	REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 While performing monthly operability test, procedure QOS 7500-5, it was discovered
0 3 that the inlet air heater on the "A" Standby Gas Treatment (SBGT) system was not
0 4 operating. The temperature switch was reset and the operability test was successfully
0 5 completed. The next day, the heater again failed and additional investigation of the
0 6 failure was begun. In accordance with Technical Specification 3.7.B.1.a, the
0 7 redundant SBGT System was operable during each of the above failures.
0 8

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

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	7 9	—	0 0 1	/	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
E (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	M 2 3 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of the failure was due to setpoint drift of flow switch 1/2-7541-8A. This
1 1 switch actuates the heater when flow is present in the SBGT train. The flow switch
1 2 was calibrated and the "A" SBGT was tested satisfactorily. The heater itself was
1 3 not failed.
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	F (28)	0 8 8 (29)	NA	B (31)	Routine Test

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

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

7902140151

NAME OF PREPARER M. Kooi PHONE: 309-654-2241, ext. 252

I. LER NUMBER: LER/RO 79-01/03L-0

II. LICENSEE NAME: Commonwealth Edison Company
Quad-Cities Nuclear Power Station

III. FACILITY NAME: Unit Two

IV. DOCKET NUMBER: 050-265

V. EVENT DESCRIPTION:

On January 4, 1979, at 10:30 a.m., while performing the monthly operability test, procedure QOS 7500-5, it was discovered that the inlet air heater on "A" Standby Gas Treatment (SBGT) System was not operating. The "A" SBGT System was immediately declared inoperable. Since the operability test on "B" SBGT System had been completed just prior to this event, the requirements of Technical Specification 3.7.B.1.a. were satisfied. Immediate investigation of the failure revealed that temperature switch 1/2-7541-11A in the heater control circuit had tripped. The switch was reset and the operability test on "A" SBGT System was successfully completed. At 1:00 p.m. the next day, "A" SBGT System was put on and the heater again failed to operate. An operability test on "B" SBGT System was subsequently completed and an investigation of the failure was begun.

VI. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

Both SBGT Systems had been proven operable on December 4, 1978. The redundant "B" SBGT System was operable during this occurrence. Also, the filters, demister, fan, and dampers for the "A" SBGT train were operable. Consequently no adverse safety implications were presented by this event.

VII. CAUSE

The cause of the failure was due to setpoint drift of flow switch 1/2-7541-8A. This switch actuates the "A" SBGT system heater when flow is present in the SBGT train. The flow switch had failed in the closed position, thus energizing the heater. Since no cooling flow was available, temperature switch 1/2-7541-11A then tripped the heater when the 200°F setpoint temperature was reached. When the temperature switch was reset and flow was initiated, the heater remained on until the air flow ceased and the temperature switch again tripped the heater due to high temperature. Flow switch 1/2-7541-8A is model number DA-5333 manufactured by Mercoid Corp.

VIII. CORRECTIVE ACTION:

The flow switch was calibrated and the "A" SBGT was tested satisfactorily. Since this is the first failure of this type, thus corrective action is considered sufficient.