NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1	LICENSEE CODE: M D C C N 2 (2)	LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3)	LICENSE TYPE: 4 1 1 1 1 (4)	CAT: (5)

CON'T

0 1	REPORT SOURCE: L (6)	DOCKET NUMBER: 0 5 0 0 0 3 1 8 (7)	EVENT DATE: 0 8 0 7 8 2 (8)	REPORT DATE: 0 9 0 3 8 2 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During surveillance testing at 0630, it was discovered that the hot leg

0 3 sample valve would not fully shut. It was thus declared inoperable

0 4 (T.S. 3.6.4.1). The penetration was isolated at 0710, when the redundant

0 5 hot leg sample valve was deactivated.

0 6 Similar events: 50-317/80-30.

0 7

0 8

0 9	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	S D (11)	E (12)	B (13)	V A L V E X (14)	F (15)	N (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	0 3 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)	G (19)	Z (20)	Z (21)	0 0 0 0	N (23)	Y (24)	A (25)	M 1 2 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The 3/4" 1500# air-to-open stainless steel globe valve, Model#38-20721

1 1 was disassembled. Scores on plug and seat indicate misalignment problem.

1 2 Parts were replaced, and valve passed LLRT. A procedure is being drawn

1 3 up to assure proper alignment is achieved in the future. Spare plugs

1 4 and stems will be examined for concentricity; a problem seen on two sets.

1 5	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	E (28)	0 7 4 (29)	N/A	B (31)	Surveillance Testing

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

PERSONNEL EXPOSURES

1 7	NUMBER	TYPE	DESCRIPTION (39)
	0 0 0 (37)	Z (38)	N/A

PERSONNEL INJURIES

1 8	NUMBER	DESCRIPTION (41)
	0 0 0 (40)	N/A

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE	DESCRIPTION
	Z (42)	N/A

PUBLICITY

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

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PDR ADOCK 05000318
S PDR

NAME OF PREPARER G. S. Pavis/R. W. L'Heureux PHONE: 301-269-4742/4869

LER NO. 82-38/3L
DOCKET NO. 50-317
LICENSE NO. DPR 69
EVENT DATE 08-07-82
REPORT DATE 09-03-82
ATTACHMENT

CAUSE DESCRIPTION & CORRECTIVE ACTIONS (CONT'D)

The Masoneilan 38-20721 (air-to-open) 3/4", 1500# ANSI, stainless steel globe valve was disassembled. It appeared that the stem/plug assembly was not aligned properly into the seat ring, for scratches were found on the valve plug, seat and stem. A small 1/4" tear was found in the diaphragm and it was noted that the actuator stem nut had not been fully tightened onto the lower spring seat before being staked. The following parts were replaced: valve plug, stem, seat ring, seat ring gasket, body gasket, diaphragm, actuator stem, actuator stem nut, and packing. The valve still failed the leak rate test, however. After disassembly, scores were found on the new plug and seat ring. The stem/plug assembly had not been aligned properly into the seat ring. The guide bushing needed to be honed in order to remove the high spots which had caused metal-to-metal contact with the plug assembly. A new stem and plug were assembled, drilled, and pinned, but were subsequently found not to be concentric. This concentricity problem may have been a contributing factor in the initial leakage. A second stem and plug were installed, and the valve assembled. A set of feeler gauges was used to assure even tightening of the body studs. A leak rate test was performed and found satisfactory.

It is now felt that the design and operation of this type of valve require it to be aligned perfectly in order to seat properly. A procedure is being drawn up to make sure perfect alignment is achieved during any future overhauls. Spare plugs and stems will also be examined for concentricity prior to installation.