

CONTROL BLOCK: [] [] [] [] [] [] (1)

0	1	M	D	C	C	N	2	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
7	8	LICENSEE CODE					14	15	LICENSE NUMBER										25	26	LICENSE TYPE					30	57	CAT 58	

CON'T

REPORT
SOURCE

L	6	0	5	0	0	0	3	1	8	7	0	8	0	7	8	2	8	0	9	0	9	8	2	9		
60	61	DOCKET NUMBER										68	EVENT DATE						74	REPORT DATE						80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During surveillance testing at 0630, it was discovered that the hot leg

03 | sample valve would not fully shut. It was thus declared inoperable

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

05 | hot leg sample valve was deactivated.

Similar event: 50-317/80-30

0 9
 7 8
 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
 9 10 11 12 13 14 15 16 17 18 19 20

(17) **LER/RO**
REPORT
NUMBER

EVENT YEAR
 8 2
 21 22

REPORT NO.
 0 3 8
 24 26

CODE
 3 L
 28 29

TYPE
 L
 30

NO.
 1
 32

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	SHUTDOWN METHOD	HOURS				ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER								
A	18	G	19	Z	Z	0	0	0	0	22	Y	23	Y	24	A	25	M	1	2	0	26
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | 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

13 | 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.

7 8 9
FACILITY STATUS (28) 1 5 E
10 11 12 13
% POWER 0 7 4
OTHER STATUS (30) N/A
14 15 16 17 18 19 20 21 22 23 24 25 26 27
METHOD OF DISCOVERY (31) B
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43
DISCOVERY DESCRIPTION (32) Surveillance Testing

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z 33 10 Z 34 11 N/A 44

AMOUNT OF ACTIVITY (35)

LOCATION OF RELEASE (36)

N/A 45

PERSONNEL EXPOSURES				TYPE	DESCRIPTION
1	2	3	4	5	6
1	7	0	0	0	N/A

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	40 N/A

7	8	9	10										
PUBLICITY													
ISSUED				DESCRIPTION									
2	0	N	(44)	N/A									
				8209160237 820909									
				PDR ADOCK 05000318									
				S PDR									
				NRC USE ONLY									

NAME OF PREPARER G. S. Pavis/R. W. L'Heureux

PHONE: 301-269-4742/4869

LER NO. 82-38/3L
DOCKET NO. 50-318
LICENSE NO. DPR 69
EVENT DATE 08-07-82
REPORT DATE 09-09-82
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.