

## LICENSEE EVENT REPORT

U. S. NUCLEAR REGULATORY COMMISSION

UPDATE REPORT

PREVIOUS REPORT DATE: 09-09-82

CONTROL BLOCK: 

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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

PHONE: (301) 269-4742/4869

LER NO. 82-38/3X, Rev. 2  
DOCKET NO. 50-318  
LICENSE NO. DPR 69  
EVENT DATE 08-07-82  
REPORT DATE 01-11-83  
ATTACHMENT

CAUSE DESCRIPTION AND 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 maintenance procedure has been revised to make sure perfect alignment is achieved during any future overhauls. Spare plugs and stems will also be examined for concentricity prior to installation.