NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

LER 81-22/3L

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

0 1	LICENSEE CODE: V T V Y S 1 (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 2 7 1 (7)	EVENT DATE: 0 8 0 1 8 1 (8)	REPORT DATE: (9)				

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

While performing MSIV surveillance, MSIV-80D failed to close when it's control switch was placed in the Closed position. This failure to close is contrary to T.S. Sec. 3.7.D.1. The valve did close upon actuation of the slow close switch. The redundant valve in this line (MSIV-86D) was successfully tested. There were no consequences to the public health and safety as a result of this event. Similar occurrences have been reported to the commission within the past 5 years as LER 78-4 and 77-35.

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
C D (11)	E (12)	B (13)	V A L V O P (14)	D (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 1	-	0 2 2	/	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
X (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	N (25)	R 3 4 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Each MSIV is actuated by two pilot valves. Inoperability of MSIV-80D was attributed to a foreign particle lodged in the spool valve which prevented air from operating the main piston. The MSIV was fully stroked satisfactorily six times. During the next outage, the pilot valve will be inspected to determine if any further corrective action is necessary.

FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
F (28)	0 4 5 (29)	NA	B (31)	Surveillance Test

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

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

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE	DESCRIPTION
Z (42)	NA

PUBLICITY

ISSUED	DESCRIPTION (45)
N (44)	NA

8109080192 810828
PDR ADOCK 05000271
S PDR

NRC USE ONLY

NAME OF PREPARER Warren P. Murphy PHONE: (802) 257-7711

GPO 917-926

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

While performing Main Steam Isolation Valve (MSIV) surveillance, MSIV-80D failed to indicate closed after it's control switch was placed in the Closed position. Technical Specifications Section 3.7.D.1 requires the MSIV's to be operable during reactor power operation conditions. The valve did close upon actuation of the "slow close" switch. The redundant isolation valve in this line (MSIV-86D) was positioned in the isolated mode as required by Technical Specifications Section 3.7.D.2. As a result of this event, there were no consequences to the public health and safety. Similar occurrences have been reported to the commission within the past five years as LER 78-4 and 77-35.

CAUSE DESCRIPTION AND CORRECTIVE ACTION

Each Main Steam Isolation Valve is actuated by two three-way solenoid operated pilot valves. Inoperability of MSIV-80D was attributed to a foreign particle lodged in the sliding spool area of the pilot valve which prevented air from being redirected to the opposite side of the main valve piston operator thus preventing the valve from closing. After the valve had been closed by actuating the "slow close" switch, it was normally full stroked satisfactorily six times. Both Main Steam Isolation Valves, MSIV-80D and 86 D, will be full stroke exercised, in approximately one month from the event date, to verify continued operability. Also, during the next scheduled outage of sufficient duration, the pilot valve will be removed and inspected to determine if any further corrective action is necessary.