CONTROL BLOCK:	(PLEASE PRINT OR TYPE A	ALL REQUIRED INFORMATION
1 V A S P S 1 2 0 0	0 0 0 0 0 0 0 0 3 3 4	1 1 1 1 4 57 CAT 58 5
REPORT L 6 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		E 0 7 2 9 8 0 9 75 REPORT DATE 80
During steady state operation of	<u> </u>	er an operator discovered
[3] a leak through in valve 1-BR-23	6. This caused an unsampled r	elease during the release of
1-BR-TK-2A. This is less conse	rvative with respect to the re	quirements of T.S.3.11.A.4
and is reportable per T.S.6.6.2	.b.2. Liquid Waste Monitor RM	-LW-108 was operable. The
system had the capability to cl	ose the isolation valvé to the	discharge canal header if
the activity in the line exceed	ed the set point for the monit	or. Therefore the health
8 and safety of the public were r	ot affected.	03
SYSTEM CAUSE CAUSE CODE SUBC		COMP. VALVE UBCODE SUBCODE D 15 D 16 REPORT REVISION
	PEPORT NO. CODE 0 4 5 0 3 26 27 28 29 HOURS 22 ATTACHMENT NPRO SUBMITTED FORMS	TYPE NO. L O O O O O O O O O O O O O O O O O O
The cause is determined to be to	\smile	lve. The release was
terminated. It was determined	to be .012% of the Tech. Spec.	Limits. Maintenance
Report was initiated for - re	pairing the valve.	 1
	•	1
3	· · · · · · · · · · · · · · · · · · ·	
B S	O METHOD OF	80
FACILITY STATUS POWER OTHER STAT	US $\stackrel{\text{(30)}}{\longrightarrow}$ METHOD OF DISCOVERY D $ A (31) \text{Operator Obs}$	servation (32)
E 5 10 12 13 ACTIVITY CONTENT 12 13 RELEASED OF RELEASE AMOUNT OF ACTIVITY	44 45 46	80
6 L (33) M (34) 0.0902 C1	Tank to discha	
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)	44 45	· 80
7 0 0 0 (37) Z (38) ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε ε	NA ,	
NUMBER DESCRIPTION (41)	NA	I
DE OR DAMAGE TO FACILITY (43)		. 80
g Z 42	NA	
PUBLICITY ISSUED DESCRIPTION 45 N 44	/5/ NA	NRC USE ONLY
ε 5 10		68 69
NAME OF PREPARER J.L. Wi	lsonPHO	(804) 357-3184 g

ATRACHMENT No. 1

SURRY POWER STATION UNIT NO.

DOCKET NO: 50-280
REPORT NO: 80-045/03L-0
EVENT DATE: 07-13-80

TITLE OF REPORT: UNSAMPLED BORON RECOVERY TEST TANK RELEASE

l. Description of Event:

During steady state operation of Surry Unit No. 1 at 100% power an operator discovered that the isolation valve (1-BR-236) for 1-BR-TK-2B was leaking through during the release of 1-BR-TK-2A, thereby causing an unsampled release from Tank B.

2. Probable Consdquences/Status of Redundant Systems:

The release was evaluated and determined to be 0.012% of the Tech. Spec. Limits. Effective concentration in the discharge canal was so low that the radionuclides may be consided as not present per 10CFR 20. The flow path and flow rate were being monitored by the installed instrumentation. The system had the capability to stop the flow to the discharge canal header if the activity in the discharge line exceeded the set point for the radiation monitor. Therefore the health and safety of the public were not affected.

3. Cause of Event:

The cause is determined to be due to the leakage of the diaphragm valve.

Immediate Corrective Action:

Further release was terminated. A Maintenance Report was initiated to repair the valve.

5. Scheduled Corrective Action:

Repair the valve.

6. Action Taken to Prevent Recurrence:

Administative controls have been established to insure sampling of both tanks prior to commencing any release.

7. Generic Implications.

A program for the routine inspection of the valves (MMP-C-V-001) is in effect. The diaphragms and other components that do not pass the inspection are being replaced. The diaphragms of the valve in question was replaced on May 12, 1980. The valve was found to be leaking on June 10, 1980. It was repaired on June 26, 1980, and it was determined to be a random event. Because of the current event maintenance requests have been initiated to inspect all (six) walves between the two tanks to determine Generic Implications.