LICENSEE EVENT REPORT

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0 1 E	V A S P S 2 2 0 0 - 0 0 0 0 - 0 0
0 1 6	REPORT L 6 0 5 0 0 0 2 8 1 7 0 7 0 3 8 1 8 0 7 2 9 8 1 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
012	With the unit at 100% power, separation of a one inch instrument air line elbow
03	caused a decrease in instrument air pressure. To prevent a loss of all instrument
0 4	air, the operator isolated instrument air to the auxiliary building, causing the BIT
0 5	recirculation valves to close, contrary to T.S3.3.A.3 and reportable per T.S.
0 6	6.6.2.b.(2). During the less than 10 minutes the valves were closed, there were no
0 17	changes in BIT level, temperature, or boron concentration; therefore, the health
08	and safety of the public were not affected.
0 9 7 8	SYSTEM CODE CAUSE CAUSE COMPONENT CODS SUBCODE
	17 REPORT NUMBER 21 22 23 24 26 27 28 29 30 31 32
	ACTION FUTURE COMPONENT SHUTDOWN METHOD HOURS 22 ATTACHMENT PORM SUB. PRIME COMP. COMPONENT MANUFACTURER Y 18 Z 19 Z 20 Z 21 0 0 0 0 Y 23 N 24 A 25 L 6 3 5 26 32 33 34 35 35 36 37 40 41 31 42 43 43 47
10	Closure of the BIT recirculation valves was caused by the isolation of instrument air
	to the auxiliary building to avert a reactor trip. The air line break was isolated
1 2	and auxiliary building instrument air restored, reopening the valves.
13	
7 8	80
	FACILITY SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 DISC
	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 N/A N/A N/A
	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39 N/A N/A
. 3	PERSONNEL INJURIES 13 N/A N/A
* 3	LOSS OF OR DAMAGE TO FACILITY 43 N/A
1 0	Z @ N/A
20	PUBLICITY SSUED DESCRIPTION 45 N/A
810 PDR S	B100365 B10729 ADDCK 05000281 pp J. L. Wilson 68 (804) 357-3184 80 5

ATTACHMENT 1

SURRY POWER STATION, UNIT 2

DOCKET NO:

50-281

REPORT NO:

81-045/03L-0

EVENT DATE:

07-03-81

TITLE OF EVENT: BORON INJECTION TANK RECIRCULATION VALVES SHUT

1. DESCRIPTION OF THE EVENT:

With the unit at 100% power, a one inch instrument air line elbow, located in the auxiliary building, separated from the piping causing the instrument air pressure to decrease. A loss of all instrument air was averted by isolating the instrument air to the auxiliary building. Within ten minutes, the break was located, isolated and the auxiliary building instrument air pressure restored.

The Boron Injection Tank recirculation valves 2884 A, B & C closed and remained closed while the instrument air supply to the auxiliary building was isolated.

This event is c trary to T.S. 3.3.A.3 and is reportable in accordance with T.S. 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT EQUIPMENT:

Recirculation between the BIT and the Boric Acid Storage Tank (BAST) ensures that the BIT is full of concentrated Boric Acid at all times. During the period the valves were closed, less than 10 minutes, there was no change in the temperature, boric acid concentration or liquid level of the BIT; therefore the health and safety of the public were not affected.

3. CAUSE:

This event was caused by the operator isolating the auxiliary building instrument air supply to avert a complete loss of air pressure and the attendant valve closures which would have tripped the reactor.

4. IMMEDIATE CORRECTIVE ACTIONS:

The break in the air line was located and isolated.

5. SUBSEQUENT CORRECTIVE ACTION:

The leak was repaired and the Auxiliary Building instrument air restored, reopening the BIT recirculation valves.

6. ACTION TAKEN TO PREVENT RECURRENCE:

No additional corrective action is required.

GENERIC IMPLICATIONS:

None.