



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 contrary 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.

7. GENERIC IMPLICATIONS:

None.