



ATTACHMENT I  
SURRY POWER STATION, UNIT 2  
DOCKET NO: 50-281  
REPORT NO: 81-006/03L-0  
EVENT DATE: 01-14-81

TITLE of EVENT: SI ACCUMULATOR LOW BORON CONCENTRATION

1. EVENT DESCRIPTION:

With the unit at full power, it was determined through sampling that, the boron concentration of "C" Safety Injection Accumulator was at 1943 ppm which is below the 1950 ppm required by Tech. Spec. This is contrary to Technical Specification 3.3.A.2 and is reportable per T.S.-6.6.2.b(2).

2. PROBABLE CONSEQUENCES:

The redundant Safety Injection accumulators, 'A' & 'B', were verified to be above the minimum concentration (2093 & 2098 respectively). "C" SI Accumulator was returned to an operable status, C<sub>B</sub> greater than 1950 ppm, within the 4 hour Tech. Spec. limitation (55 minutes). Therefore, the health and safety of the public were not affected.

3. CAUSE:

There are several manual valves inside containment which must be open in order to perform the monthly flushing of sensitized stainless steel pipe. In order that the number of containment entries could be kept to a minimum, these manual valves had been left open. With manual valves 2-SI-249 and 2-SI-256 left open, charging system pressure existed on the downstream side of check valve 1-SI-144 which leaked through, thereby diluting "C" accumulator.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to recirc. the accumulator with the RWST to bring the boron concentration within specification.

5. SUBSEQUENT CORRECTIVE ACTION:

The subsequent corrective action was to close the manual valves in containment.

6. FUTURE CORRECTIVE ACTION:

Check valve 1-SW-144 is scheduled to be repaired during the next outage of sufficient duration.

7. GENERIC IMPLICATION:

None.