



ATTACHMENT 1  
SURRY POWER STATION, UNIT NO. 2  
DOCKET NO: 50-281  
REPORT NO: 82-056/03L-0  
EVENT DATE: 09-07-82

TITLE OF THE EVENT: Loss of N<sub>2</sub> Supply for SOV-MS-202A & B

1. DESCRIPTION OF THE EVENT:

On September 7, with the unit at 100% power, routine operator surveillance disclosed that the pressure in the nitrogen bottle supplying emergency air to the steam driven auxiliary feed pump AOV's (PCV-MS-202A & B) was below the limit of 1000 psig. This event is contrary to Technical Specification 3.6.C and reportable in accordance with Technical Specification 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

The Steam Driven Auxiliary Feedwater pump (2-FW-P-2) must be capable of being controlled independently on any alternating current power source for at least two hours as required by NUREG 0737 item 2.E.1.1. The nitrogen tank has been added to the instrument air line to provide control of the PCV's for the required two hour period.

The control valves fail open or loss of air or Nitrogen and thus provide Aux. Feed flow. The Instrument Air System remained operable while the emergency air system was out of service. Therefore, the health and safety of the public were not affected.

3. CAUSE:

The loss of nitrogen pressure was a result of a leak on the connection of the replacement nitrogen supply tank the previous day.

4. IMMEDIATE CORRECTIVE ACTION:

The nitrogen bottle was replaced with a fully pressurized bottle and correctly connected to the header.

5. SUBSEQUENT CORRECTIVE ACTION:

The system was inspected for leaks and none were found.

6. ACTION TAKEN TO PREVENT RECURRENCE:

As a standard practice, bottle connections are snoopied each time a pressurized bottle is installed. A procedure will be provided to insure these back up bottles are leak checked after installation.

7. GENERIC IMPLICATIONS:

None.