

LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

V A S P S 2 0 0 - 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 4 5
9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 36 58

REPORT SOURCE L 0 5 0 0 0 2 8 1 7 1 1 0 8 8 1 8 1 2 0 7 8 1 9
60 61 DOCKET NUMBER 65 66 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During the performance of the CLS functional Periodic Test PT 8.5A, MOV-SW-203C, Recirculation Spray heat exchangers "Service Water inlet valve, failed in an intermediate position. This is contrary to T.S.3.4.A.2 and is reportable in accordance with T.S.6.6.2.b.(2). The redundant service water inlet valve was operable; therefore, the health and safety of the public were not affected.

SYSTEM CODE W A 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE V A L V O P 14 COMP SUBCODE A 15 VALVE SUBCODE Z 16
EVENT YEAR 8 1 SEQUENTIAL REPORT NO. 0 7 6 OCCURRENCE CODE 0 3 REPORT TYPE L REVISION NO. 0
ACTION TAKEN X 18 FUTURE ACTION X 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 ATTACHMENT SUBMITTED Y 23 NRC-4 FORM SUB N 24 PRIME COMP SUPPLIER A 25 COMPONENT MANUFACTURER L 2 0 0 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The valve was inspected mechanically and electrically. The valve was subsequently tested satisfactorily. The cause of failure could not be determined.

FACILITY STATUS H 28 % POWER 0 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Periodic Test 8.5A 32
ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36
PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39
PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41
LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43
PUBLICATION ISSUED N 44 DESCRIPTION N/A 45

NRC USE ONLY

ATTACHMENT 1
SURRY POWER STATION, UNIT 2
DOCKET NO: 50-281
REPORT NO: 81-076/03L-0
EVENT DATE: 11-08-81

TITLE OF THE EVENT: MOV-SW-203C DID NOT OPEN FULLY

1. DESCRIPTION OF EVENT:

With the unit in a refueling outage, during the performance of the CLS functional periodic test, PT 8.5A, MOV-SW-203C, service water to recirculation spray heat exchangers, failed in an intermediate position. This is contrary to T.S.3.4.A.2 and is reportable in accordance with T.S.6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT EQUIPMENT:

The recirculation spray system aids the containment spray system in reducing containment pressure rapidly following a LOCA and, in conjunction with the containment vacuum system, will maintain the containment pressure subatmospheric following a design base accident.

The RS system consist of four 50% capacity subsystems pumping water from the containment sump through heat exchangers to spray headers in the containment. Cooling water is supplied to the tube side of the heat exchangers from the service water system, through two headers. MOV-SW-203C is one of two parallel service water inlet valves to one of the two service water headers. Since the redundant inlet valve was operable, the health and safety of the public were not affected.

3. CAUSE:

Troubleshooting efforts disclosed satisfactory valve performance. Subsequent mechanical and electrical inspections and testing has revealed no definite cause of failure.

4. IMMEDIATE CORRECTIVE ACTIONS:

A maintenance report was initiated to determine and correct the cause of failure.

5. SUBSEQUENT CORRECTIVE ACTION:

The valve was removed from the system for cleaning and inspection. An inspection of the mechanical components of the valve was conducted. The valve motor was inspected, including limit and torque switches. The valve was subsequently reassembled and tested without any failures.

6. ACTION TAKEN TO PREVENT RECURRENCE:

None deemed necessary.

7. GENERIC IMPLICATIONS:

None.