

LICENSEE EVENT REPORT

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

01 V A S P S 2 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5  
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 21 26 LICENSE TYPE 30 57 CAT 58

01 REPORT SOURCE L 6 0 5 0 0 0 2 8 1 7 0 6 2 6 8 1 8 0 7 2 4 8 1 9  
7 8 9 DOCKET NUMBER 58 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 With the unit at 100% power, it was discovered that inside recirculation spray HX  
03 service water radiation monitoring pump 2-SW-P-58 would not operate. This is  
04 contrary to T.S.-3.4.2.A.2 and reportable per T.S.-6.6.2.b.(2). Failure of the  
05 pump would not affect performance of the heat exchanger. In addition, the discharge  
06 tunnel radiation monitor provides backup radiation monitoring capability. There-  
07 fore, the health and safety of the public were not affected.

09 SYSTEM CODE S B 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE P U M P X X 14 COMP SUBCODE B 15 VALVE SUBCODE Z 16  
17 LER/RO REPORT NUMBER 8 1 21 22 23 24 26 27 28 29 30 31 32 REVISION NO. 0  
ACTION TAKEN B 18 FUTURE ACTION F 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NFRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER V 1 2 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Sediment in the service water had dried and hardened on the pump internals, prevent-  
11 ing the pump from rotating. The pump was cleaned, adjusted, and tested. A design  
12 change in progress will provide the capability to flush the pumps.

15 FACILITY STATUS E 28 % POWER 1 0 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Observation 32

16 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36

17 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39

18 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41

19 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43

20 PUBLICITY ISSUED N 44 DESCRIPTION N/A 45

NRC USE ONLY

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ATTACHMENT 1  
SURRY POWER STATION, UNIT NO. 2  
DOCKET NO: 50-281  
REPORT NO: 81-041-03L-0  
EVENT DATE: 06-28-81

INOPERABLE SERVICE WATER PUMP

1. DESCRIPTION OF EVENT:

With Unit 2 at 100% power, an attempt was made to start 2-SW-P-5B (inside recirculation spray service water radiation monitoring pump) to compare its operation to 2-SW-P-5A which was undergoing preventative maintenance. It was discovered that 2-SW-P-5B would not operate. This event is contrary to T.S.-3.4.2.A.2 and is reportable per T.S.-6.6.2.b(2).

2. PROBABLE CONSEQUENCES:

Pump 2-SW-P-5B takes suction from the service water discharge of one of the four recirculation spray heat exchangers. Failure of 2-SW-P-5B would not affect performance of its associated heat exchanger. In addition, the discharge tunnel radiation monitor provides backup radiation monitoring capability; therefore, the health and safety of the public were not affected.

3. CAUSE:

The pump would not operate because sediment from the service water had dried and hardened on the pump internals, preventing the pump from rotating.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to declare the pump inoperable and initiate a maintenance request.

5. SUBSEQUENT CORRECTIVE ACTION:

The failed pump was cleaned, readjusted, and then tested and verified to operate.

6. ACTION TO PREVENT OCCURRENCE:

As a result of Design Change 80-56, currently underway, piping for the recirculation spray heat exchanger radiation monitors is being changed, which will provide a means for flushing the radiation monitor pumps. This should prevent buildup of material in the pump.

7. GENERIC IMPLICATIONS:

The modifications described in Section 6 will also be implemented on Unit 1.