

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 V A S P S 1 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 25 26 LICENSE TYPE 30 57 CAT 58

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 1 0 0 9 7 8 8 1 1 0 6 7 8 9
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With the unit at rated power, Charging Pump Component Cooling Water Pump "B" tripped.
0 3 The redundant pump was placed in operation. This event constitutes a degraded mode
0 4 of operation permitted by T.S. 3.3.B.6 and is reportable in accordance with
0 5 T.S. 6.6.2.b.(2). The health and safety of the public were not affected.
0 6
0 7
0 8

0 9 SYSTEM CODE W B 11 CAUSE CODE E 12 CAUSE SUBCODE A 13 COMPONENT CODE P U M P X X 14 COMP. SUBCODE B 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20
17 LER/RO REPORT NUMBER 18 EVENT YEAR 7 8 19 SEQUENTIAL REPORT NO. 0 3 0 20 OCCURRENCE CODE 0 3 21 REPORT TYPE L 22 REVISION NO. 0
23 ACTION TAKEN B 24 FUTURE ACTION Z 25 EFFECT ON PLANT Z 26 SHUTDOWN METHOD Z 27 HOURS 0 0 0 0 28 ATTACHMENT SUBMITTED Y 29 NPRD-4 FORM SUB. Y 30 PRIME COMP. SUPPLIER A 31 COMPONENT MANUFACTURER I 0 7 5 26
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The pump tripped on overcurrent resulting from corrosion damage to the motor bearings.
1 1 The motor and pump were rebuilt and reinstalled. Subsequent operation was satis-
1 2 factory.
1 3
1 4

1 5 FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator observation
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
1 6 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE Na 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
2 0 PUBLICITY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

NRC USE ONLY

NAME OF PREPARER

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Surry Power Station, Unit 1
Docket No: 50-280
Report No: 78-030/03L-0
Event Date: 10-9-78

Title of Report: Charging Pump Component Cooling Water Pump Out of Service

1. Description of Event:

With the unit at rated power, Charging Pump Component Cooling Water Pump (1-CC-P-2B) tripped on overload. The redundant pump in the system was placed in operation. This event constitutes a degraded mode of operation permitted by Technical Specifications 3.3.B.6 and is reportable in accordance with Technical Specification 6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Systems:

Each Charging Pump Component Cooling Water Pump is designed to handle full heat removal capacity. Only one Component Cooling Water Pump is required during operation. The other full capacity pump remains in an operable standby condition. Due to the 100 percent redundancy of this system, the health and safety of the general public was not reduced or adversely affected.

3. Cause:

The pump tripped due to overload of the motor in operation. The overload was the result of corrosion damage to the motor bearings caused by water leakage from the pump seal.

4. Immediate Corrective Action:

The redundant pump was started. The failed pump was removed and disassembled for repair. The motor bearings were replaced and the pump rebuilt with new seal material and new gaskets. The rebuilt pump was reinstalled and tested satisfactorily.

5. Subsequent Corrective Action:

Following reinstallation, no further repairs or adjustments were necessary.

6. Action Taken to Prevent Recurrence:

None required. This was a random failure.

7. Generic Implications:

None.