

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 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | | 5
E 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

CONT

REPORT
SOURCEL | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 1 | 7 | 0 | 8 | 1 | 2 | 8 | 2 | E | 0 | 9 | 1 | 0 | 8 | 2 | 9
60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With Unit 2 at 100% power, increasing bearing temperatures were noted on 2-CH-P-1C. Further investigation revealed that the charging pump lubricating oil cooler, 2-CH-E-5C, was losing service water flow. This is contrary to T.S.3.2.B.1 and 3.3.A.5 and is reportable per T.S.6.6.2.b(2). Since neither lubricating oil or the charging pump bearings experienced excessive heating, and "C" charging pump remained operating, the health and safety of the public were not affected.

SYSTEM CODE: W A (11) CAUSE CODE: E (12) CAUSE SUBCODE: X (13) COMPONENT CODE: I N S T R U (14) COMP. SUBCODE: I (15) VALVE SUBCODE: Z (16)
EVENT YEAR: 8 2 (21) SEQUENTIAL REPORT NO.: 0 5 2 (24) OCCURRENCE CODE: 0 3 (28) REPORT TYPE: L (30) REVISION NO.: 0 (32)
LER/RO REPORT NUMBER: 17 ACTION TAKEN: X (33) FUTURE ACTION: B (34) EFFECT ON PLANT: Z (35) SHUTDOWN METHOD: Z (36) HOURS: 0 0 0 0 (37) ATTACHMENT SUBMITTED: Y (41) I-PRD-4 FORM SUB.: N (42) PRIME COMP. SUPPLIER: A (43) COMPONENT MANUFACTURER: W 0 2 5 (46)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The loss of service water flow through 2-CH-E-5C was caused by a sticking float in a service water flow indicator. The sticking float was freed by cycling the service water discharge isolation valve from the oil cooler.

FACILITY STATUS: E (28) % POWER: 1 0 0 (29) OTHER STATUS: N/A (30) METHOD OF DISCOVERY: A (31) DISCOVERY DESCRIPTION: Operator Observation (32)
ACTIVITY CONTENT RELEASED OF RELEASE: Z (33) AMOUNT OF ACTIVITY: N/A (35) LOCATION OF RELEASE: N/A (36)
PERSONNEL EXPOSURES NUMBER: 0 0 (37) TYPE: Z (38) DESCRIPTION: N/A (39)
PERSONNEL INJURIES NUMBER: 0 0 (40) DESCRIPTION: N/A (41)
LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42) DESCRIPTION: N/A (43)
PUBLICATION: S (44) DESCRIPTION: 8209200283 820910 PDR ADOCK 05000281 S PDR N/A (45)

NAME OF PREPARED: J. L. Wilson

NRC USE ONLY (804) 357-3184

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 2

DOCKET NO: 50-281

REPORT NO: 82-052/03L-0

EVENT DATE: 08-12-82

TITLE OF THE EVENT: 2-CH-E-5C Inoperable

1. DESCRIPTION OF THE EVENT:

With Unit 2 at 100% power, increasing bearing temperatures were noted on 2-CE-P-1C. Further investigation revealed that the 2-CH-E-5C was losing service water flow. This is contrary to T.S.3.2.B.1 and 3.3.A.5 and is reportable per T.S.6.6.2.b(2).

2. POSSIBLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

The charging pump lubricating oil cooler provided cooling to the lubricating oil and the charging pump bearings. Since neither the lubricating oil or the charging pump bearings experienced excessive heating, and "C" charging pump remained operating, the health and safety of the public were not affected.

3. CAUSE:

Initially, increasing charging pump lubrication oil temperatures were attributed to air blockage in oil cooler 2-CH-E-5C. Upon further investigation, a sticking float in a flow indicator was found to have restricted service water flow and caused the increase in lubrication oil temperature.

4. IMMEDIATE CORRECTIVE ACTION:

The heat exchanger was vented in an attempt to increase service water flow.

5. SUBSEQUENT CORRECTIVE ACTION:

The increasing lubricating oil temperature was correctly attributed to a sticking float in a service water flow indicator. The Service Water discharge isolation valve for cooler 2-CH-E-5C was cycled and the sticking float was freed. Non-restricted service water flow was established through the cooler and charging pump bearing temperatures returned to normal.

6. ACTION TAKEN TO PREVENT RECURRENCE:

None.

7. GENERIC IMPLICATIONS:

None.