NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | V A S P S 2 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T 0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 2 8 1 (7) DOCKET NUMBER | 0 8 1 2 8 2 (8) EVENT DATE | 0 9 1 0 8 2 (9) REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With Unit 2 at 100% power, increasing bearing temperatures were noted on 2-CH-P-1C.
0 3 Further investigation revealed that the charging pump lubricating oil cooler,
0 4 2-CH-E-5C, was losing service water flow. This is contrary to T.S.3.2.B.1 and
0 5 3.3.A.5 and is reportable per T.S.6.6.2.b(2). Since neither lubricating oil or the
0 6 charging pump bearings experienced excessive heating, and "C" charging pump remained
0 7 operating, the health and safety of the public were not affected.
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	W A (11)	E (12)	X (13)	I N S T R U (14)	I (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	0 5 2	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	B (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	A (25)	W 0 2 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The loss of service water flow through 2-CH-E-5C was caused by a sticking float in
1 1 a service water flow indicator. The sticking float was freed by cycling the
1 2 service water discharge isolation valve from the oil cooler.
1 3
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	E (28)	1 0 0 (29)	N/A	A (31)	Operator Observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	N/A	N/A

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	N/A

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	N/A

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	N/A

8209200283 820910
PDR ADOCK 05000281
S PDR

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	N/A	

NAME OF PREPARER J. L. Wilson PHONE (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-CH-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. PROBABLE 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.