U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1	LICENSEE CODE	VASPS2 ②	LICENSE NUMBER	00-00000-00 ③	LICENSE TYPE	41111 ④	CAT	⑤	
CON'T 0 1	REPORT SOURCE	L ⑥	DOCKET NUMBER	0500281 ⑦	EVENT DATE	110580 ⑧	REPORT DATE	120580 ⑨	

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 With the unit at 100%, a high temperature on 'A' Chg. Pump (2-CH-P-1A) revealed a low

0 3 Service Water flow to the pump. The low discharge pressure alarm failed to annunciate.

0 4 This is contrary to T.S. 3.3.A.8.b, and is reportable per T.S. 6.6.2.b.(2). The redun-

0 5 dant pump was started and the Chg Pump temperatures returned to normal. Therefore, the

0 6 health and safety of the public were not affected.

0 7

0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	WA ⑪	X ⑫	Z ⑬	PUMPSX ⑭	B ⑮	Z ⑯

⑰ LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	80	—	037	/	03	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS ㉒	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
B ⑱	F ⑲	Z ⑳	Z ㉑	0000	Y ㉓	N ㉔	A ㉕	A485 ㉖

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

1 0 A clogged pump inlet strainer caused the low discharge pressure and a clogged pressure

1 1 switch sensing line prevented the alarm from annunciating. The strainer was cleaned and

1 2 the sensing line was purged. Both were tested and returned to service.

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1 4

	FACILITY STATUS	% POWER	OTHER STATUS ㉚	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION ㉜
1 5	E ㉘	100 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	000 ㊲	Z ㊳	N/A

PERSONNEL INJURIES

	NUMBER	DESCRIPTION ㊶
1 8	000 ㊵	N/A

LOSS OF OR DAMAGE TO FACILITY ㊸

	TYPE	DESCRIPTION
1 9	Z ㊷	N/A

PUBLICITY

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

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ATTACHMENT 1 (PAGE 1 OF 1)
SURRY POWER STATION, UNIT 2
DOCKET NO: 50-281
REPORT NO: 80-037/03L-0
EVENT DATE: 11-05-80

TITLE OF REPORT: LOW DISCHARGE PRESSURE ON 2-SW-P-10B

1, EVENT DESCRIPTION

Upon investigation of a high temperature on charging pump 2-CH-P-1A, FI-SW-201A (charging pump lube oil cooler flow indicator) and FI-SW-201B (charging pump intermediate seal cooler flow indicator) indicated a reduced flow. Service Water Pump 2-SW-P-10B indicated a low discharge pressure of 10 PSIG. The low discharge pressure switch sensing line was clogged. This is contrary to T.S. 3.3.B.8.b and is reportable per T.S. 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

The Charging Pump Service Water Subsystem provides cooling for the charging pump lube oil and intermediate seal coolers. The redundant pump, 2-SW-P-10A, was operable and performed its intended function. The charging pump temperatures returned to normal. Therefore, the health and safety of the public were not affected.

3. CAUSE:

The cause of the low discharge pressure was a clogged pump suction strainer. The cause of the failure of low discharge pressure alarm to annunciate was a clogged sensing line.

4. IMMEDIATE CORRECTIVE ACTION:

The redundant pump, 2-SW-P-10A, was started and verified, providing the required pressure and flow.

5. SUBSEQUENT CORRECTIVE ACTION:

Cleaned suction strainer in inlet to pump 2-SW-P-10B. Restarted the pump, and verified that it was operable. Also, cleaned the sensing line for the discharge pressure switch.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

A design change is in progress, as a result of the pipe stress analysis program. Piping rearrangement and system changes specified in the design change will improve the flow capabilities of the system.

7. GENERIC IMPLICATIONS:

Any changes would be applicable to both units.