

CONTROL BLOCK:

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1

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						
7	8						14	15											25	26															57	CAT	58
LICENSEE CODE		LICENSE NUMBER										LICENSE TYPE					CAT																				

CON'T

0	1	REPORT SOURCE										DOCKET NUMBER										EVENT DATE										REPORT DATE									
7	8	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																			
		L	6	0	5	0	0	0	2	8	1	7	1	0	1	2	8	0	8	1	1	0	7	8	0	9															

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | With the Unit at 100 percent Reactor Power, service water pump, 2-SW-P-10A,

03 | developed a low discharge pressure. The Redundant Pump started and returned

04 | system pressure to normal. The health and safety of the public were not affected.

0	5
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 | This event is contrary to T.S.3.3.A.8.b. and is reportable per T.S.6.6.2.b. (2).

0	6
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0	7
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0	8	
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0 9

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

W A 11 X 12 Z 13 P U M P X 14 B 15 Z 16

7 8 9 10 11 12 13 14 15 16

17 LER/RO
REPORT
NUMBER

EVENT YEAR
80

REPORT NO. 029

A small line graph with a vertical y-axis and a horizontal x-axis. A straight line starts at a point on the y-axis and extends upwards and to the right, indicating a positive linear relationship.

OCCURRENCE CODE	
0	3

REPORT
TYPE
L

NO.
0

ACTION TAKEN	FUTURE ACTION
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	EFFECT ON PLANT
100%	
90%	
80%	
70%	
60%	
50%	
40%	
30%	
20%	
10%	
0%	

SHUTDOWN
METHOD

HOURS (22)

ATTACHMENT
SUBMITTED

T NPRD-4
FORM SUB

PRIME COMP
SUPPLIER

COMPONENT
MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Upon disassembly of the pump an eel was found lodged in the impeller. The eel was

1 1 | removed and the pump returned to service.

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	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1	3
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1	4	
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1 5 FACILITY STATUS (28) 2 0 0 % POWER (29) N/A OTHER STATUS (30) 3 B METHOD OF DISCOVERY (31) Operator Observation. DISCOVERY DESCRIPTION (32)

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)
1 6 2 33 4 34 N/A
7 8 9 10 11 44
PERSONNEL EXPOSURES
45 80
LOCATION OF RELEASE (36)
N/A

		NUMBER			TYPE		DESCRIPTION
1	7	0	0	0	(37) Z	(38)	N/A
	8	9	11	12	13		80
PERSONNEL INJURIES						(11)	

NUMBER		DESCRIPTION	
1	8	000	(40) N/A

8 9 11 12 80

LOSS OF OR DAMAGE TO FACILITY		(43)	
TYPE	DESCRIPTION		

1 9 8 9 10 N/A 80
 PUBLICITY
 ISSUED DESCRIPTION 45 NRC USE ONLY

2 0 N (44) N/A
8 9 10 68 69 80
8011140017
NAME OF PREPARER J.L. Wilson PHONE: (804) 357-3184

ATTACHMENT: 1
SURRY POWER STATION, UNIT 2
DOCKET NO: 50-281
REPORT NO: 80-029/03L-0
EVENT DATE: 10-12-80

SUBJECT: LOW DISCHARGE PRESSURE on PUMP 2-SW-P-10A

1. DESCRIPTION of EVENT

On October 12, 1980, with Unit No. 2 at 100% power, Charging Pump Service Water Pump 2-SW-P-10A developed a low discharge pressure of 10 PSIG. The redundant service water pump started and returned system pressure to normal. This event is contrary to Technical Specification 3.3.A.8.b. and is reportable per Technical Specification 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT

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

3. CAUSE

The cause of the low discharge pressure was an eel lodged in the pump's impeller.

4. IMMEDIATE CORRECTIVE ACTION

The redundant pump, 2-SW-P-10B, was verified operating and supplying the required pressure.

5. SUBSEQUENT CORRECTIVE ACTION

Service Water Pump, 2-SW-P-10A, was disassembled and the eel removed from the pump's impeller. The pump was subsequently proven operable.

6. ACTIONS TAKEN TO PREVENT REOCCURRENCE

A design change is in progress, as a result of the pipe stress analysis program, which will improve the filtration capabilities of the system.

7. GENERIC IMPLICATIONS

The design change will address both units.