

LICENSEE EVENT REPORT

CONTROL BLOCK		1		(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)	
V A S P S 1		0 0 - 0 0 0 0 0 - 0 0		4 1 1 1 1 1	
LICENSEE CODE		LICENSE NUMBER		LICENSE TYPE	
CONT		REPORT SOURCE		DOCKET NUMBER	
0 1		L 6		0 5 0 0 0 2 8 0	
0 1		0 5		0 4 1 9 8 2	
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES		10		REPORT DATE	
0 1		On 04-19-82, with the unit at 100% power, charging pump service water pump		80	
0 3		1-SW-P-10B was found to have zero discharge pressure as a result of loss of suction			
0 4		to the pump. Inoperability of this pump is contrary to T.S.3.3.A.8.b and is			
0 5		reportable per T.S.6.6.2.b.(2). Since the redundant pump remained operable, the			
0 6		health and safety of the public were not affected.			
0 7					
0 8					
0 9					
SYSTEM CODE		CAUSE CODE		COMP CODE	
W A 11		X 12		B 15	
11		12		15	
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	
8 2		0 4 9		0 3	
21		24		25	
ACTION TAKEN		SHUTDOWN METHOD		REPORT TYPE	
Z 18		Z 21		L 30	
33		36		30	
FUTURE ACTION		HOURS		ATTACHMENT SUBMITTED	
F 19		0 0 0 0		Y 23	
34		37		41	
EFFECT ON PLANT		NPRD-4 FORM SUB		PRIME COMP. SUPPLIER	
Z 20		N 24		A 25	
35		42		43	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS		27		REVISION NO.	
1 10		Increased use of service water by the chillers can cause a loss of suction to the		0 32	
1 11		charging pump service water pumps. The Control Room Chiller was secured which			
1 12		resulted in flooding the suction line to the charging pump service water pump. The			
1 13		pump was restored to operation.			
1 14					
FACILITY STATUS		% POWER		OTHER STATUS	
E 28		1 0 0		N/A 30	
9		10		44	
METHOD OF DISCOVERY		DISCOVERY DESCRIPTION		32	
A 31		Operator Observation			
45		46			
ACTIVITY RELEASED		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
Z 33		N/A 35		N/A 36	
33		44		45	
PERSONNEL EXPOSURES		DESCRIPTION		39	
0 0 0		N/A			
37		40			
PERSONNEL INJURIES		DESCRIPTION		41	
0 0 0		N/A			
40		41			
LOSS OF OR DAMAGE TO FACILITY		DESCRIPTION		42	
Z 42		N/A			
42		43			
PU		8205210089		820514	
ISSUED		PDR		ADOCK 05000250	
N 5		PDR		N/A	
5		5		5	
NAME OF PREPARED		J. L. Wilson		PHONE	
				(804) 357-3184	

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 82-049/03L-0

EVENT DATE: 04-19-82

TITLE OF THE EVENT: 1-SW-P-10B Low Discharge Pressure

1. DESCRIPTION OF EVENT:

On April 19, 1982, with the unit at 100% power, it was discovered that charging pump service water pump, 1-SW-P-10B had zero discharge pressure. The pump was declared inoperable, which is contrary to Technical Specification 3.3.A.8.b and reportable per Technical Specification 6.6.2.b(2).

2. PROBABLE CONSEQUENCES OF OCCURRENCE:

The charging pump service water pumps supply water to the charging pump intermediate seal coolers and the charging pump lubricating oil coolers. During the event, the redundant charging pump service water pump remained operable; therefore, the health and safety of the public were not affected.

3. CAUSE OF EVENT:

The service water piping for the charging pump service pumps also supplies the Control Room/Relay Room air conditioner chiller units. Increased flow to the chillers can cause a loss of suction flow to the charging pumps service water pumps. Recent modifications attempted to resolve these problems. Installation and testing, completed last year indicated satisfactory performance; however, an intermittent problem is now indicated.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to check the suction strainer to the affected pump for possible blockage. When no blockage was found, the operators tried venting the pump and discovered that no water was in the suction line.

5. SUBSEQUENT CORRECTIVE ACTION:

The subsequent corrective action was to secure the Control Room Chiller and it's service water which resulted in flooding the suction line to the affected charging pump service water pump.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

Design work is in progress to resolve this on-going problem. The suction line will be flushed during the upcoming maintenance outage.

7. GENERIC IMPLICATIONS:

Related occurrences have been reported on LER's 81-037, 81-063 and 82-034 for unit 1, and 81-051, 81-060 and 81-064 for unit 2.