NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

01 LICENSEE CODE (2)	V A S P S 2
LICENSE NUMBER (3)	0 0 - 0 0 0 0 0 - 0 0
LICENSE TYPE (4)	4 1 1 1 1
CAT (5)	
CON'T REPORT SOURCE (6)	L
DOCKET NUMBER (7)	0 5 0 0 0 2 8 1
EVENT DATE (8)	0 4 1 2 8 2
REPORT DATE (9)	0 5 0 7 8 2

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 Through the performance of periodic test PT 17.7, it was discovered that recirculation
03 spray heat exchanger service water radiation monitor pump 2-SW-P-5C was inoperable.
04 Inoperability of this pump is reportable pursuant to T.S.6.6.2.b.(4). The pump does
05 not affect the heat removal capability of the RSHX and alternate means of radiation
06 monitoring were available should the RSHX have been required. Public health and
07 safety were not affected.
08

09	
SYSTEM CODE (11)	M A
CAUSE CODE (12)	X
CAUSE SUBCODE (13)	Z
COMPONENT CODE (14)	P U M P X X
COMP. SUBCODE (15)	B
VALVE SUBCODE (16)	Z

(17) LER/RO REPORT NUMBER	
EVENT YEAR	8 2
	—
SEQUENTIAL REPORT NO.	0 1 9
	/
OCCURRENCE CODE	0 3
REPORT TYPE	L
	—
REVISION NO.	0

ACTION TAKEN (18)	B
FUTURE ACTION (19)	F
EFFECT ON PLANT (20)	Z
SHUTDOWN METHOD (21)	Z
HOURS (22)	0 0 0 0
ATTACHMENT SUBMITTED (23)	Y
NPRD-4 FORM SUB. (24)	N
PRIME COMP. SUPPLIER (25)	A
COMPONENT MANUFACTURER (26)	I 0 7 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The event was caused by the accumulation of sediment in the suction line to the pump.
11 The suction line was cleaned and the pump was returned to service.
12
13
14

15 FACILITY STATUS (28)	E
% POWER (29)	0 9 6
OTHER STATUS (30)	N/A
METHOD OF DISCOVERY (31)	B
DISCOVERY DESCRIPTION (32)	Monthly Periodic Test
16 ACTIVITY RELEASED (33)	Z
CONTENT OF RELEASE (34)	Z
AMOUNT OF ACTIVITY (35)	N/A
LOCATION OF RELEASE (36)	N/A
17 PERSONNEL EXPOSURES NUMBER (37)	0 0 0
TYPE (38)	Z
DESCRIPTION (39)	N/A
18 PERSONNEL INJURIES NUMBER (40)	0 0 0
DESCRIPTION (41)	N/A
19 LOSS OF OR DAMAGE TO FACILITY TYPE (42)	Z
DESCRIPTION (43)	N/A
20 PUBLICITY ISSUED (44)	N
DESCRIPTION (45)	N/A

NRC USE ONLY

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NAME OF PREPARER: L. L. Wilson PHONE: (804) 357-3184

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 82-019/03L-0
EVENT DATE: 04-12-82

TITLE OF THE EVENT: Recirc. Spray Heat Exchanger Rad. Monitor Pump

1. DESCRIPTION OF EVENT:

On April 12, 1982, with the unit at 96%, performance of monthly periodic test 17.7 (Recirculation Spray Heat Exchanger Service Water Radiation Monitor Pump Flush) revealed the suction piping to 2-SW-P-5C to be plugged. This event is reportable pursuant to Technical Specification 6.6.2.b.(4).

2. PROBABLE CONSEQUENCES OF OCCURRENCE:

Following an accident, each service water radiation monitoring pump would take suction from the service water discharge of its respective recirculation spray heat exchanger, directing flow through a radiation monitor in order to detect and identify a leaking heat exchanger. Failure of a radiation monitoring pump would not affect the performance of the associated heat exchanger. Also, radiation monitoring capability in the service water discharge tunnel provides an alternate means for detection of a leaking heat exchanger.

3. CAUSE OF THE EVENT:

These events were caused by the accumulation of sediment in the suction lines to the radiation monitoring pumps.

4. IMMEDIATE CORRECTIVE ACTION:

The suction line to the pump was cleaned and the pump was returned to service.

5. SUBSEQUENT CORRECTIVE ACTIONS:

None were required.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

A request for engineering assistance is being forwarded to the Architect-Engineer in an effort to relocate the suction to the pumps so that sediment is no longer a problem.

7. GENERIC IMPLICATIONS

The problems and solutions are common to Surry Units 1 and 2.