NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 With the unit at full power, rod position indicator F-8 was observed fluctuating
0 3 as much as 15 steps. This is contrary to T.S.-3.12.E.1 and is reportable per
0 4 T.S.-6.6.2.b(2). The indicator fluctuation did not affect control rod F-8 and
0 5 it was capable of being dropped at all times, therefore, the health and safety
0 6 of the public were not affected.
0 7
0 8

Line	SYSTEM CODE ⑪	CAUSE CODE ⑫	CAUSE SUBCODE ⑬	COMPONENT CODE ⑭	COMP. SUBCODE ⑮	VALVE SUBCODE ⑯
0 9	I F	E	A	P E N E T R	D	Z

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

ACTION TAKEN ⑱	FUTURE ACTION ⑲	EFFECT ON PLANT ⑳	SHUTDOWN METHOD ㉑	HOURS ㉒	ATTACHMENT SUBMITTED ㉓	NPRD-4 FORM SUB. ㉔	PRIME COMP. SUPPLIER ㉕	COMPONENT MANUFACTURER ㉖
X	Z	Z	Z	0 0 0 0	Y	N	N	A 3 8 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

1 0 The rod position indicator fluctuations were caused by exposure of the containment
1 1 side electrical penetration to excessive moisture and a faulty signal conditioning
1 2 module. The steam leak was repaired, and no further problems have been noted with
1 3 indicator F-8.
1 4

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

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

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

Line	NUMBER ㊵	DESCRIPTION ㊶
1 8	0 0 0	N/A

LOSS OF OR DAMAGE TO FACILITY ㊸

Line	TYPE ㊷	DESCRIPTION
1 9	Z	N/A

PUBLICITY

Line	ISSUED ㊹	DESCRIPTION ㊺	NRC USE ONLY
2 0	N		

8210050092 820927
PDR ADOCK 05000280
S PDR

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

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 1
DOCKET NO: 50-280
REPORT NO: 82-092/03L-0
EVENT DATE: 09-05-82

TITLE OF THE EVENT: RPI Malfunction

1. DESCRIPTION OF THE EVENT:

With the unit at full power, the computer alarm typewriter alerted the operator that rod position indicator (RPI) F-8 was fluctuating as much as 15 steps. This is contrary to T.S.-3.12.E.1 and is reportable per T.S.-6.6.2.b(2).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

The rod position indicators give continuous indication of the position of each control rod. The RPI fluctuation did not affect the control of rod F-8 and it was capable of being dropped, therefore the health and safety of the public were not affected.

3. CAUSE:

The malfunctioning RPI was due to a faulty signal conditioning module and excessive moisture in the nearby area. A leak on TV-BD-100E was apparently the source of moisture.

4. IMMEDIATE CORRECTIVE ACTION:

The Instrument Technicians were called in to correct the problem. The instrument loop outside containment was checked, including replacement of the signal conditioning module. This appeared to correct the problem, however further fluctuations were observed later. These subsequent fluctuations were within Tech. Spec. limits.

5. SUBSEQUENT CORRECTIVE ACTIONS:

The fluctuations disappeared subsequent to the temporary repair of TV-BD-100E.

6. ACTION TAKEN TO PREVENT RECURRENCE:

TV-BD-100E is scheduled to be replaced.

7. GENERIC IMPLICATIONS:

None.