(7-77)	
	CONTROL BLOCK:
01	$ \begin{array}{ c c c c c c } \hline V & A & S & P & S & 1 \\ \hline 9 & \text{LICENSEE CODE} & 14 & 2 & 0 & 0 & - & 0 & 0 & 0 & 0 & 0 & - & 0 & 0$
CON'T	REPORT L 6 0 5 0 0 2 8 0 7 0 1 0 6 8 0 8 0 1 3 0 8 0 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80 9
02	During a routine release of LWTT number 80-95, the LW effluent flow recorder paper did
03	not rotate when the drive gears disengaged from the recorder paper roll. This is
04	contrary to T.S. 3.11.A.5 and is reportable in accordance with t.S. 6.6.2.b.2. All
0 5	pertinent information on the effluent release was recorded on the form H.P3-5-1.1.
06	No other plant systems were affected and the health and safety of the public were not
07	affected.
	$\begin{array}{c} \begin{array}{c} \text{SYSTEM} \\ \text{CODE} \\ \hline \\ 1 \\ 9 \\ \end{array} \begin{array}{c} \text{CAUSE} \\ \text{CODE} \\ \hline \\ 1 \\ 1 \\ \end{array} \begin{array}{c} \text{CAUSE} \\ \text{SUBCODE} \\ \hline \\ 1 \\ 1 \\ 1 \\ \end{array} \begin{array}{c} \text{COMPONENT CODE} \\ \hline \\ 1 \\ 1 \\ 1 \\ \end{array} \begin{array}{c} \text{COMPONENT CODE} \\ \text{SUBCODE} \\ \hline \\ 1 \\ 1 \\ 1 \\ \end{array} \begin{array}{c} \text{COMPONENT CODE} \\ \text{SUBCODE} \\ \hline \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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10	CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The cause of the malfunction was that there was not an adequate mesh between the recorder
1 1	drive gears and the recorder paper roll. The recorder involved was a Hagan, Model 101,
1 2	miniature recorder. The corrective action was to ensure proper operation of the
13	recorder prior to the next effluent release.
14	
1 5	ACILITY % POWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 G 28 0 0 0 29 NA A 31 Operator Observation
7 8 A	9 10 12 13 44 45 46 80 CTIVITY CONTENT 12 13 44 45 46 80 ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36 Z (33) Z (34) NA NA NA
	9 PERSONNEL EXPOSURES NUMBER. TYPE DESCRIPTION (39) 0 0 0 (37) Z 38 NA
7 8	9 PERSONNEL INJURIES NUMBER DESCRIPTION (41) 0 0 0 (40) NA
7 8	9 11 12 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION Z (42) NA
7 8 20 7 8	9 10 80 PUBLICITY SSUED DESCRIPTION (45) NA 10 10 9 10 68 68 69 80.5
	NAME OF PREPARER <u>W. L. Stewart</u> PHONE: <u>(804)357-3184</u>

(ATTACHMENT, PAGE 1 OF 1) SURRY POWER STATION, UNIT 1 DOCKET NO: 50-280 REPORT NO: 80-002/03L-0 EVENT DATE: 01-06-80

TITLE OF EVENT: Flow Recorder (FR-LW-104A) Malfunction

1. DESCRIPTION OF EVENT

During a routine release of LWTT #80-95, the LW effluent flow recorder paper did not rotate. This is contrary to T.S. 3.11.A.5 and is reportable in accordance with T.S. 6.6.2.b.2. The drive gears disengaged from the recorder paper roll, causing the paper to remain stationary and thus no record of flow rate was obtained. However, information about the release such as: 1) initial LWTT volume; 2) final LWTT volume, and 3) time duration of release, was recorded on Health Physics Form HP 3-5-1.1, No. 80-95.

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS

All other systems of the plant necessary for the safe release of the LW effluent operated properly. Only the flow rate recorder was involved in this event. Because the system was monitored by the operators, the health and safety of the public were not affected.

3. CAUSE

The recorder paper roll is driven by drive gears that mesh with perforations along the paper's edge. In order for the recorder to operate properly, the paper must be held taut against the roller and drive gears. During the event, the paper was not held taut, and, although the drive gears rotated properly, the paper was not advanced. Thus, no continuous record of flow rate was obtained.

4. IMMEDIATE CORRECTIVE ACTION

The tension on the paper was adjusted so that proper recorder operation was attained before beginning the next effluent release.

5. SCHEDULED CORRECTIVE ACTION

The operators were instructed to insure proper paper tension and a good mesh between the recorder gears and the paper perforations.

6. ACTION TAKEN TO PREVENT RECURRENCE

Operators are instructed to observe recorder operation before effluent release.

7. GENERIC IMPLICATIONS

This malfunction is considered random because no specific instrument or system has exhibited repeated failures. There are no generic implications.