NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1 | V A S P S 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T
0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 2 8 0 (7) | 0 4 2 2 7 9 (8) | 0 5 2 2 7 9 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 The Liquid Waste Disposal Radiation monitor failed to give a high alarm and trip
0 3 the release valve. This is contrary to Technical Specification 3.7.E Table 3.7-5,
0 4 and is reportable as per Technical Specification 6.6.2.b.(4). The release did not exceed
0 5 allowable limits specified in 10CFR20. Therefore, the health and safety of the
0 6 public were not affected.
0 7
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	M C (11)	E (12)	E (13)	I N S T R U (14)	E (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
7 9	—	0 1 4	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
E (18)	H (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	L (25)	V 1 1 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The failure of the radiation monitor alarm signal was caused by instrument drift in
1 1 the high alarm setpoint. At no time were the limits of 10CFR20, Appendix B, or Techni-
1 2 cal Specification 3.11.A.1 exceeded. All liquid waste releases were secured. The alarm
1 3 board was calibrated and checked. The monitor was returned to service.
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	G (28)	0 0 0 (29)	Unit 2 Defueled	A (31)	Operator observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)
2 0	N (44)	NA

7905250/56

NRC USE ONLY: N

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

GPO 917-026

(Attachment, page 1 of)
Surry Power STation, Unit 1
Docket No: 50-280
Report No: 79-014/03L-0
Event Date: 4-22-79

Title: Radiation Monitor RM-LW-108 Malfunction

1. Description of Event:

The Liquid Waste Disposal Radiation monitor RM-LW-108 failed to give a high alarm signal to trip the effluent discharge valve FCV-LW-104A and terminate a liquid release. This event is contrary to Technical Specification Table 3.7-5 (Alarm Setpoint). It is reportable as per Technical Specification 6.6.2.B.4.

2. Probable Consequences and Status of Redundant Systems:

The release limits delineated in Technical Specification 3.11.A (10CFR20 App. B) were not exceeded. Therefore, the health and safety of the public were not affected. The redundant discharge tunnel monitor was operable and verified no significant release occurred.

3. Cause:

The failure of the radiation monitor alarm signal was caused by instrument drift in the high alarm setpoint. At no time were the limits of 10CFR20, Appendix B, or Technical Specification 3.11.A.1 exceeded.

4. Immediate Corrective Action:

All liquid waste releases were secured. The alarm board was calibrated and checked. The monitor was returned to service.

5. Subsequent Corrective Action:

None considered necessary.

6. Actions Taken to Prevent Recurrence:

No further corrective action is required.

7. Generic Implications

None