

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

24-71 = (804) 357-3184

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 83-005/03L-0

EVENT DATE: 02-10-83

TITLE OF THE EVENT: RR-100 ERRATIC

1. Description of the Event

With unit 1 at 85% on 2-4-83 and an effluent release in progress, radiation recorder RR-100 began printing erratically. This event occurred again on 2-10-83 and twice on 2-11-83. This event is contrary to T. S. 3.11.B.4 and is reportable per T. S. 6.6.2.b(2).

2. Probable Consequences and Status of Redundant Equipment

The radiation monitor recorder (RR-100) serves to provide a permanent record of the gross activity of liquids and gases being released. The recorder, in itself, does not mitigate the consequences of any system malfunction. The associated radiation monitors, including the alarm and automatic actuating functions, remained operable. The discharge tunnel radiation monitor and its recorder remained operable, therefore, the health and safety of the public were not affected.

3. Cause

Since the Recorder has performed satisfactorily after interchange with the Unit 2 Recorder, it appears there was a poor connection that was causing the erratic operation.

4. Immediate Corrective Action

The releases were terminated.

5. Subsequent Corrective Action

On 2-11-83 the recorder was inspected and then interchanged with RR-200. After placing RR-100 into the carriage of the other recorder, it worked correctly. Radiation recorder RR-200 worked properly in RR-100's carriage.

On the previous failures, inspection and cleaning seemed to make RR-100 work correctly, but only temporarily. After interchanging the recorders, no further problems have been experienced.

6. Actions Taken to Prevent Recurrence

The radiation recorders will be replaced this year.

7. Generic Implications

There have been similar events, however, the actions taken in 6 above should correct the problem.