

Surry Power Station, Unit 1
Docket No: 50-280
Report No: 79-005/03L-0
Event Date: 2-26-79

Title of Report: Radiation Monitor Recorder (RR-175) Malfunction

1. Description of Event:

During steady power operation, it was discovered that radiation recorder, RR-175, had stopped printing. This is contrary to Technical Specification 3.11.A.5 for Liquid Waste disposal; 3.11.B.4 for Gaseous & Particulate waste for Process Vent Monitors. This is reportable per Technical Specifications 6.6.b.2(b).

2. Probable Consequences and Status of Redundant Systems:

A radiation recorder receives signals from various radiation monitoring devices and periodically records the corresponding radiation levels to indicate trending. The failure of RR-175 precludes the ability to automatically trend the radiation levels of those devices associated with this recorder. However, the radiation indicator and monitors concerned here were in no way affected by the recorder failure, they continued to function properly with all alarms operable; therefore, the health and safety of the general public were not affected. Accountability for radioactivity releases is maintained by other methods and was well within allowable limits for the period involved.

3. Cause:

Radiation recorder, RR-175, ceased functioning due to the seizure of a gear shaft bushing in the print mechanism.

4. Immediate Corrective Action:

A work order was immediately issued to correct the problem. While the recorder was inoperative, close attention continued to be given to the individual monitors and annunciators to detect trends.

5. Subsequent Corrective Action:

The seized gear shaft bushing was freed, and the print mechanism was thoroughly cleaned and lubricated.

6. Actions Taken to Prevent Recurrence:

The other radiation monitor recorders are being checked to assure that this problem is not present.

7. Generic Implications:

This event seems to be a random mechanical failure with, consequently, no generic implications.