

## LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 1 During steady full power operation, radiation recorder, RR-175, stopped printing.

0 3 1 This is contrary to Technical Specification 3.11.B.4, and is reportable pursuant

0 4 1 to Technical Specification 6.6.2.b(2). The monitoring instruments, including alarm

0 5 1 and trip functions remained operable and releases were well within allowable limits.

0 6 1 Therefore, the health and safety of the public were not affected.

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 1 The failure of this radiation recorder to print was due to a frozen bushing in

1 1 1 the print mechanism. The frozen bushing was freed, and the print mechanism was

1 2 1 cleaned and lubricated.

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NAME OF PREPARER T. L. Baucom

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Surry Power Station, Unit 1  
Docket No: 50-280  
Report No: 78-045/03L-0  
Event Date: 12-5-78

Title of Report: Radiation Monitor Recorder Failure

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.B.4, and is reportable per Technical Specification 6.6.2.b(2).

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 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 bushing was freed, and the print mechanism was thoroughly cleaned and lubricated.

6. Actions Taken to Prevent Recurrence:

No further actions are deemed necessary at this time.

7. Generic Implications:

There are two other such radiation recorders installed at Surry but none have failed by this mode previously. This event seems to be a random mechanical failure with, consequently, no generic implications.