

# LICENSEE EVENT REPORT

UPDATE REPORT - PREVIOUS REPORT DATE 01-17-83

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

|   |    |               |               |   |   |   |    |    |                |            |   |   |   |   |    |    |             |   |    |    |              |    |   |   |   |    |    |     |    |
|---|----|---------------|---------------|---|---|---|----|----|----------------|------------|---|---|---|---|----|----|-------------|---|----|----|--------------|----|---|---|---|----|----|-----|----|
| 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  |    |     |    |
| 6 | 9  | LICENSEE CODE |               |   |   |   | 14 | 15 | LICENSE NUMBER |            |   |   |   |   |    |    |             |   | 25 | 26 | LICENSE TYPE |    |   |   |   | 30 | 57 | CAT | 58 |
| 1 | 6  | 0             | 5             | 0 | 0 | 0 | 2  | 8  | 0              | 7          | 1 | 2 | 2 | 3 | 8  | 2  | 8           | 0 | 2  | 0  | 8            | 8  | 3 | 9 |   |    |    |     |    |
| 6 | 50 | 61            | DOCKET NUMBER |   |   |   |    | 66 | 69             | EVENT DATE |   |   |   |   | 74 | 75 | REPORT DATE |   |    |    |              | 80 |   |   |   |    |    |     |    |

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With the unit at full power, operators noted the IRPI for control rod F-4 indicating erratically and fluctuating greater than 12 steps, thereby rendering the indication unreliable. This event is contrary to T.S.3.12.E.1 and reportable per T.S.6.6.2.b(2). Core power data is being monitored in accordance with T.S. However, time limits specified in T.S. for surveillance frequency were exceeded on Jan. 3 and Jan. 5. Also, operation of the control rod assembly is not affected. Therefore the health and safety of the public have not been affected.

|              |            |               |    |                 |    |                 |                 |       |    |                      |    |                |    |                      |    |                        |    |    |    |    |    |    |    |
|--------------|------------|---------------|----|-----------------|----|-----------------|-----------------|-------|----|----------------------|----|----------------|----|----------------------|----|------------------------|----|----|----|----|----|----|----|
| 1            | I          | F             | 11 | 1               | X  | 12              | 1               | Z     | 13 | Z                    | Z  | Z              | Z  | Z                    | 14 | 1                      | Z  | 15 | 1  | Z  | 16 |    |    |
| 9            | 10         | 11            | 12 | 13              | 14 | 15              | 16              | 17    | 18 | 19                   | 20 | 21             | 22 | 23                   | 24 | 25                     | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| 17           | EVENT YEAR |               | 1  | 2               | 6  | 27              | OCCURRENCE CODE |       | 0  | 3                    | 28 | REPORT TYPE    |    | X                    | 30 | REVISION NO.           |    | 1  | 32 |    |    |    |    |
| ACTION TAKEN |            | FUTURE ACTION |    | EFFECT ON PLANT |    | SHUTDOWN METHOD |                 | HOURS |    | ATTACHMENT SUBMITTED |    | NPRM FORM SUB. |    | PRIME COMP. SUPPLIER |    | COMPONENT MANUFACTURER |    |    |    |    |    |    |    |
| X            | 18         | X             | 19 | Z               | 20 | Z               | 21              | 0     | 0  | 0                    | 0  | Y              | 23 | N                    | 24 | Z                      | 25 | Z  | 9  | 9  | 9  | 25 |    |
| 33           | 34         | 35            | 36 | 37              | 38 | 39              | 40              | 41    | 42 | 43                   | 44 | 45             | 46 | 47                   | 48 | 49                     | 50 | 51 | 52 | 53 | 54 | 55 |    |

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause of the event has not been determined. It is suspected that an erroneous signal to IRPI is being generated inside the containment. Further testing to determine the cause will be scheduled for the next scheduled outage. Operators have been reinstructed to monitor core data within the frequency specified in the Tech. Specs.

|   |   |    |                               |    |                    |    |                     |    |                     |    |                     |    |   |    |                       |  |                      |    |
|---|---|----|-------------------------------|----|--------------------|----|---------------------|----|---------------------|----|---------------------|----|---|----|-----------------------|--|----------------------|----|
| 1 | E | 28 | 1                             | 0  | 0                  | 29 | OTHER STATUS        |    | N/A                 | 30 | METHOD OF DISCOVERY |    | A | 31 | DISCOVERY DESCRIPTION |  | Operator Observation | 32 |
| 6 | Z | 33 | Z                             | 34 | AMOUNT OF ACTIVITY |    | N/A                 | 35 | LOCATION OF RELEASE |    | N/A                 | 36 |   |    |                       |  |                      |    |
| 1 | 0 | 0  | 0                             | 37 | Z                  | 38 | PERSONNEL EXPOSURES |    | N/A                 | 39 |                     |    |   |    |                       |  |                      |    |
| 1 | 0 | 0  | 0                             | 40 | PERSONNEL INJURIES |    | N/A                 | 41 |                     |    |                     |    |   |    |                       |  |                      |    |
| 1 | Z | 42 | LOSS OF OR DAMAGE TO FACILITY |    | N/A                | 43 |                     |    |                     |    |                     |    |   |    |                       |  |                      |    |
| 1 | 1 | 44 | PUBLICITY                     |    | N/A                | 45 |                     |    |                     |    |                     |    |   |    |                       |  |                      |    |

NAME OF PREPARED J. L. Wilson

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PDR ADOCK 05000280  
S PDR

NRC USE ONLY

(804) 357-3184

ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 82-126/03X-1

EVENT DATE: 12/23/82

TITLE OF THE EVENT: ERRATIC ROD POSITION INDICATION

1. Description of the Event

With the unit at full power, operators noted the IRPI for control rod F-4 indicating erratically and fluctuating greater than 12 steps, thereby rendering the indication unreliable. This event is contrary to Technical Specification 3.12.E.1 and is reportable per Technical Specification 6.6.2.b(2). Core data is being monitored as required by Technical Specification 3.12.E.2, however, time limits specified by the T.S. for frequency of the surveillance were exceeded on Jan. 3 and Jan. 5.

2. Probable Consequences and Status of Redundant Equipment

The possibility of exceeding core power distribution limits exists with uncertain control rod assembly position. Core data is being monitored as required by Tech. Specs., to ensure these limits are not exceeded.

Also, an inoperable IRPI will not affect the operation of the control rod assembly. Therefore, the health and safety of the public has not been affected.

3. Cause

The cause of the event has not been determined. It is suspected that an erroneous signal to the IRPI is being generated inside the containment.

4. Immediate Corrective Action

That portion of the system outside the containment was tested and no problems could be found.

5. Subsequent Corrective Action

The portion of the system inside the containment will undergo further testing during the next scheduled outage.

6. Action Taken to Prevent Recurrence

The results of the testing during the outage will determine if any action will be required. Operators have been reinstructed to monitor core data within the frequency specified in the Technical Specification.

7. Generic Implications

None.