

LICENSEE EVENT REPORT

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

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CON'T 0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 1 1 0 8 7 8 8 1 1 2 9 7 8 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 Upon review of operational data it was determined that the quarterly calibration of
0 3 the Nuclear Power Range instrumentation had not been performed as scheduled. This
0 4 is contrary to Technical Specifications 4.1A and is reported as per Technical
0 5 Specifications 6.6.2.b.3.

0 9 SYSTEM CODE I P 11 CAUSE CODE A 12 CAUSE SUBCODE B 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE X 15 VALVE SUBCODE Z 16

17 LER/RO REPORT NUMBER 7 8 21 22 EVENT YEAR 7 8 23 24 SHUTDOWN METHOD Z 21 25 HOURS 0 0 2 1 26 27 ATTACHMENT SUBMITTED Y 23 28 29 OCCURRENCE CODE 0 3 30 31 REPORT TYPE L 32 REVISION NO. 0 33 34 ACTION TAKEN E 18 35 36 EFFECT ON PLANT B 20 37 38 FUTURE ACTION H 19 39 40 PRIME COMP. SUPPLIER N 25 41 42 NPD-4 FORM SUB. N 24 43 44 COMPONENT MANUFACTURER W 1 2 0 26 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 This event resulted from a scheduling error. Reactor power was reduced as required
1 1 by Technical Specification 3.18.B and the calibration completed in accordance with
1 2 existing procedures.

1 5 FACILITY STATUS E 28 29 % POWER 1 0 0 30 OTHER STATUS NA 31 METHOD OF DISCOVERY C 32 DISCOVERY DESCRIPTION Engineers observation

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

1 7 PERSONNEL EXPOSURES 0 0 0 37 38 TYPE Z 39 DESCRIPTION NA

1 8 PERSONNEL INJURIES 0 0 0 40 41 DESCRIPTION NA

1 9 LOSS OF OR DAMAGE TO FACILITY Z 42 43 TYPE NA DESCRIPTION

2 0 PUBLICITY N 44 45 ISSUED DESCRIPTION NA 7812050214 NRC USE ONLY

Surry Power Station, Unit 1
Docket No: 50-280
Report No: 78-038/03L-0
Event Date: 11-08-78

Title of Report: Incore/Excore Instrument Calibration

1. Description of Event:

Upon review of operational data, it was determined that the quarterly calibration of the nuclear power range instrumentation by means of the movable incore detector system had not been performed as scheduled. This is contrary to Technical Specifications 4.1.A and is reportable as per Technical Specifications 6.6.2.b.3.

2. Probable Consequences and Status of Redundant Systems:

The Nuclear Power Range instrumentation is calibrated on a daily basis against a heat balance standard. The upper and lower ion chamber currents are recalibrated quarterly to assure valid function of those protective features using F (ΔI) as an input value. This calibration is checked on a monthly basis and was within 1% on the map taken 10-17-78. Therefore, the health and safety of the general public were not affected.

3. Cause:

This event was caused by failure to adequately schedule the PT that tracks the core exposure.

4. Immediate Corrective Action:

As required by Technical Specifications 3.18.B, the unit's power was reduced and limited to 90% power. The data required for the excore detector recalibration was taken.

5. Subsequent Corrective Action:

Initial analysis of the data indicated that the existing Incore/Excore detector calibration was within 1%, which is well within the required specifications. The unit was returned to full power. Detailed analysis of the maps provided the data for completion of the recalibration procedures.

6. Actions Taken to Prevent Recurrence:

Personnel have been reinstructed and schedule modified to provide for closer tracking of core exposure on a weekly rather than monthly basis.

7. Generic Implications:

None.