

LICENSEE EVENT REPORT

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

V A S P S 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
LICENSEE CODE LICENSE NUMBER LICENSE TYPE JO CAT 58

REPORT SOURCE L 0 5 0 0 0 2 8 1 7 0 4 10 6 8 3 8 0 5 0 6 8 3 9
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With Unit No. 2 at 100% power, control rod B-6 dropped to its fully inserted position. The resulting quadrant power tilt was greater than 2% which is contrary to T.S.-3.12.B.6 and is reportable per T.S.-6.6.2.b.(2). A power decrease to 65% due to "dropped rod" turbine runback reduced the consequences of the quadrant tilt. All other control rods remained operable. Therefore, the health and safety of the public were not affected.

SYSTEM CODE R B 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE X 15 VALVE SUBCODE Z 16
LER/RO REPORT NUMBER 17 EVENT YEAR 8 3 SEQUENTIAL REPORT NO. 0 1 8 OCCURRENCE CODE 0 3 REPORT TYPE L REVISION NO. 0
ACTION TAKEN X 18 FUTURE ACTION Z 19 EFFECT ON PLANT B 20 SHUTDOWN METHOD Z 21 HOURS 0 8 3 0 ATTACHMENT SUBMITTED Y 23 NRC FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER W 1 2 0 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The cause of the dropped rod could not be determined. Fuses and other components were checked and found to be operable. The control rod was withdrawn to the required height.

FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Transient 32

ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY N/A 35 LOCATION OF RELEASE N/A 36

PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION N/A 39

PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION N/A 41

LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION N/A 43

PUBLICITY ISSUED N 44 DESCRIPTION 45

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NRC USE ONLY

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 2
DOCKET NO: 50-281
REPORT NO: 83-018/03L-0
EVENT DATE: 04-06-83

TITLE OF THE EVENT: DROPPED ROD

1. Description of the Event

With the unit at full power control rod B-6 dropped to its fully inserted position. The resulting quadrant power tilt was greater than 2%, this is therefore contrary to Technical Specifications 3.12.B.6 and is reportable per Technical Specifications 6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment

The control rods must be capable of being inserted to fulfill part of the shutdown margin requirements. At all times during this event, all control rods were capable of being tripped and the controlling bank "D" remained operable.

Boron is also used for reactivity control, and numerous ways of injecting boron into the core were available throughout the event.

A power decrease to 65% power due to a turbine runback reduced the consequences of the quadrant tilt. For the above reasons, the health and safety of the public would not have been affected.

3. Cause

The cause of the dropped rod could not be determined.

4. Immediate Corrective Action

The fuses for the control rod were checked and found good. The continuity of the coils and associated connections and wiring was also checked and found satisfactory.

5. Subsequent Corrective Action

The neutron high flux trip setpoints were reduced as required by Tech. Specs. The Control rod was withdrawn slowly to check for proper operation. All electrical connections inside containment were disassembled and no faults were found.

6. Action Taken to Prevent Recurrence

No further actions are necessary.

7. Generic Implications

None.