

# 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 3 4 1 1 1 1 4 5  
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE JC ST CAT SE

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With the unit at 100% power, the smoke detector system trouble alarm was noted. Operational personnel initially believed that the alarm was spurious. Later investigation revealed that the alarm was valid and that the smoke detector panel had lost power. This is contrary to T.S.3.21.A. and reportable per T.S.-6.6.2.b.(2). Since fire suppression systems were operable, and walkdowns were established upon confirmation of failure, the health and safety of the public were not affected.

SYSTEM CODE A B 11 CAUSE CODE E 12 CAUSE SUBCODE A 13 COMPONENT CODE B A T T R Y 14 COMP SUBCODE Z 15 VALVE SUBCODE Z 16  
 EVENT YEAR 8 1 SEQUENTIAL REPORT NO. 0 5 9 OCCURRENCE CODE 0 3 REPORT TYPE L REVISION NO. 0  
 ACTION TAKEN A 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 ATTACHMENT SUBMITTED Y 23 NPRO-4 FORM SUB. N 24 PRIME COMP. SUPPLIER L 25 COMPONENT MANUFACTURER P 4 3 5 25  
 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

A faulty power supply card in the battery charger for the smoke detector system caused the loss of power. The defective card was replaced and the system returned to service on August 25, 1981.

FACILITY STATUS E 28 N POWER 1 0 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator Observation 32  
 ACTIVITY CONTENT 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 N 44 DESCRIPTION N/A 45  
 8109290492 810918  
 PDR ADOCK 05000281  
 S PDR  
 NRC USE ONLY

ATTACHMENT 1  
SURRY POWER STATION, UNIT 2  
DOCKET NO: 50-281  
REPORT NO: 81-059/03L-0  
EVENT DATE: 08-19-81

LOSS OF POWER TO SMOKE DETECTOR PANEL

1. DESCRIPTION OF EVENT:

On August 19, 1981, with the unit at 100% power, the smoke detector system trouble alarm was received. Initial evaluation determined the alarm to be spurious. Subsequent investigation, several hours later, determined the panel had lost power. Hourly walkdowns were immediately established. Repair of the system initiated. Failure of the smoke detector panel is contrary to T.S.3.21.A.1. This event is reported in accordance with T.S 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT EQUIPMENT:

The fire detection instrumentation ensures that adequate warning capability is available to promptly detect and locate fires in their early stages and thereby reduce the potential for damage to safety related equipment.

Hourly walkdowns of the affected areas were established when trouble was found to be in the smoke detector power supply. All applicable fire suppression systems were operable during the time that the smoke detector system was inoperable.

The health and safety of the public were not affected.

3. CAUSE:

The cause of this event was a faulty power supply card in the battery charger.

4. IMMEDIATE CORRECTIVE ACTION:

Hourly walkdowns of the affected areas were established and the faulty power supply card was ordered.

5. SUBSEQUENT CORRECTIVE ACTION:

The defective power supply card was replaced after receipt of the replacement part. The system was returned to service on August 25, 1981.

6. ACTION TAKEN TO PREVENT RECURRENCE:

None required.

7. GENERIC IMPLICATIONS:

None.