

LICENSEE EVENT REPORT

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

0 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
9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

CONT

0 1 REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 0 1 2 1 8 2 8 0 2 1 9 8 2 9
50 61 DOCKET NUMBER 56 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With the unit at 100% power, an instrument malfunction resulted in the loss of all
0 3 pressurizer heaters. This event is contrary to Technical Specification 3.1.A.5.2
0 4 and reportable per 6.6.2.b.(2). During this event, offsite power remained
0 5 available and since the Pressurizer Heaters were restored to an operable condition
0 6 within the time limit specified in T.S., the health and safety of the public were
0 7 not affected.

0 8
0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
X X 11 E 12 G 13 I N S T R U 14 X 15 Z 16
9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 8 2 21 22
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
B 18 Z 19 Z 20 Z 21 0 0 0 0 22 Y 23 N 24 N 25 H 0 1 5 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 A short in one of the pressurizer level comparators resulted in the loss of all
1 1 pressurizer heaters and letdown isolation. The short was repaired and the
1 2 pressurizer control system returned to a normal condition.

1 3
1 4

1 5 FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
E 28 1 0 0 29 N/A A 31 Operator's Observation
7 8 9 10 11 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
Z 33 Z 34 N/A N/A
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
0 0 0 37 Z 38 N/A
7 8 9 10 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER DESCRIPTION 41
0 0 0 40 N/A
7 8 9 10 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
Z 42 N/A
7 8 9 10 80

2 0 8203080471 820219 PDR ADOCK 05000280 PDR S
N/A
7 8 9 10 80

NAME OF PREPARED J. L. Wilson

PHONE (804) 357-3184

NRC USE ONLY

ATTACHMENT 1
SURREY POWER STATION, UNIT NO.1
DOCKET NO: 50-280
REPORT NO: 82-008/03L-0
EVENT DATE: 01-21-82

TITLE OF THE EVENT: LOSS of PRESSURIZER HEATERS

1. DESCRIPTION OF EVENT:

With the unit at 100% power, an instrument malfunction resulted in the loss of all pressurizer heaters. This event is contrary to Technical Specification 3.1.A.5.2 and reportable 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

The requirement that a minimum of 125 kw of Pressurizer Heaters and their associated controls be capable of being supplied electrical power from an Emergency Bus provides assurance that these heaters can be energized during a loss of offsite power condition to maintain natural circulation at hot shutdown.

During this event, offsite power remained available. Since the Pressurizer Heaters were restored to an operable condition within the time limit specified in T.S.3.1.A.5.6, the health and safety of the public were not affected.

3. CAUSE:

A shorted test jack in Level Comparator LC-1-459D caused comparator LC-1-459 to energize, thereby de-energizing all the pressurizer heaters and isolating letdown.

4. IMMEDIATE CORRECTIVE ACTION:

The fuses to comparator LC-1-459C were removed, thereby restoring letdown and pressurizer heaters.

5. SUBSEQUENT CORRECTIVE ACTION:

The test Jack to comparator LC-1-459D was repaired and the fuses reinstalled for LC-1-459C.

6. ACTION TAKEN TO PREVENT RECURRENCE:

This is considered to be an isolated event, and no further actions are considered necessary.

7. GENERIC IMPLICATIONS:

None.