

## 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 CAT 58REPORT SOURCE L 0 5 0 0 0 2 8 1 7 1 0 0 2 8 2 8 1 0 2 9 8 2 9  
DOCKET NUMBER EVENT DATE REPORT DATE

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With the unit at 100% steady state power, Periodic Test 2.9 revealed that the high steam flow trip setpoint for comparator FC-2-494 (Steam Generator C) was  $4.076 \times 10^4$  lb/HR high and could not be adjusted. This is in a non-conservative direction and constitutes a degraded mode of operation permitted by T.S.3.7.A. This is reportable per T.S.-6.6.2.b.(1). Since the redundant channel for S/G C as well as the channels for the other steam generators were functional at the correct setpoints; the health and safety of the public were not affected.

SYSTEM CODE H 8 11 CAUSE CODE E 12 CAUSE SUBCODE G 13 COMPONENT CODE I N S T R U 14 COMP. SUBCODE S 15 VALVE SUBCODE Z 16  
EVENT YEAR 8 2 21 SEQUENTIAL REPORT NO. 0 6 2 24 OCCURRENCE CODE 0 3 28 REPORT TYPE L 30 REVISION NO. 0 32  
LER/RO REPORT NUMBER 17 ACTION TAKEN A 18 FUTURE ACTION B 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NPD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER H 0 1 5 26

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The channel's high steam flow bistable remained tripped while the comparator was replaced and the new comparator calibrated. The channel was then returned to normal service.

FACILITY STATUS E 28 % POWER 1 0 0 29 OTHER STATUS N/A 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Routine Test 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 N/A 45

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PDR ADOCK 05000280  
S PDR

ATTACHMENT 1  
SURREY POWER STATION, UNIT NO. 2  
DOCKET NO: 50-281  
REPORT NO: 82-062/03L-0  
EVENT DATE: 10-02-82

TITLE OF THE EVENT: FC-2-494 Failed

1. DESCRIPTION OF THE EVENT:

With the unit at full power, monthly periodic test 2.9 revealed the high steam flow trip setpoint comparator FC-2-494 (steam generator C) was set  $4.076 \times 10^4$  lb/HR high and could not be adjusted into acceptable range. This is in a non-conservative direction and constitutes a degraded mode of operation permitted by T.S.-3.7.A. This is reportable per T.S.6.6.2.b.(1).

2. PROBABLE CONSEQUENCES and STATUS of REDUNDANT EQUIPMENT:

Each steam line is provided with two steam flow channels. High steam flow on 1/2 channels, for 2/3 steamlines, coincident with low steam line pressure or low Tave, will initiate safety injection, to mitigate the effects of a main steam line break.

With the trip point of comparator FC-2-494 not at the correct value, one channel of high steam flow for steam generator would not have tripped at the design value. Since the redundant channel for this steam generator, as well as the channels for the other steam lines, were functional at the correct setpoints, the health and safety of the public were not affected.

3. CAUSE:

The setpoint error was caused by a malfunctioning comparator.

4. IMMEDIATE CORRECTIVE ACTION:

The High Steam Flow trip bistable, previously placed in trip to perform the periodic test, was maintained in trip.

5. SUBSEQUENT CORRECTIVE ACTION:

The flow comparator was replaced and the new comparator calibrated. The channel was returned to service.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

None required.

7. GENERIC IMPLICATIONS:

None.

5. SUBSEQUENT CORRECTIVE ACTION:

The flow comparator was replaced and the new comparator calibrated. The channel was returned to service.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

None required.

7. GENERIC IMPLICATIONS:

None.