

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

V A S P S 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5

REPORT SOURCE L 6 0 5 0 0 0 2 8 7 0 6 1 5 8 1 8 0 7 0 9 1 8 1 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

Between June 16, 1981 and June 21, 1981, the unit at RSD condition, the primary system chloride concentration exceeded the allowable T.S. limit. The max. chloride concentration was 0.53 ppm. This is contrary to T.S. 3.1.F.4.b and is reportable per T.S. 6.6.2. L.(2). The RCS temperature was maintained less than 140°F and the chloride concentration was reduced to less than 0.15 ppm as soon as possible. Therefore, the health and safety of the public were not affected.

SYSTEM CODE C G 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE Z Z Z Z Z Z 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16

LER/RO REPORT NUMBER 8 1 17 EVENT YEAR 8 1 21 22 SEQUENTIAL REPORT NO. 0 1 6 24 26 OCCURRENCE CODE 0 1 3 28 29 REPORT TYPE L 30 REVISION NO. 0 32

ACTION TAKEN X 33 FUTURE ACTION Z 34 EFFECT ON PLANT Z 35 SHUTDOWN METHOD Z 36 HOURS 0 0 0 0 37 40 ATTACHMENT SUBMITTED Y 41 NPRO-4 FORM SUB. N 42 PRIME COMP. SUPPLIER Z 43 COMPONENT MANUFACTURER Z 9 9 9 25

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

It appears that personnel working on minor repairs to a closure stud hole on the reactor vessel flange contributed to the increased chloride concentration. All possible sources of makeup water were checked, with negative results. The chemical and volume control system was returned to service and the chloride concentration reduced to within TS limits.

FACILITY STATUS H 28 % POWER 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Routine surveillance 32

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

PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39

PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41

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

PUBLICATION ISSUED N 44 DESCRIPTION NA 45

ATTACHMENT 1 (PAGE 1 OF 1)
SURREY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 81-016/03L-0
EVENT DATE: 6-15-81

TITLE OF EVENT: EXCESSIVE RCS CHLORIDE CONCENTRATION

1. DESCRIPTION OF EVENT:

Between June 16, 1981 and June 21, 1981, with the unit in a refueling shutdown condition (less than 140°F), the primary system chloride concentration exceeded the allowable Tech. Spec. limit. The maximum chloride concentration was 0.53 ppm. This is contrary to Tech. Spec. 3.1.F.4.b and is reportable per Tech. Spec. 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES:

When the event occurred, the reactor coolant system was already in a cold shutdown condition and partially drained with the reactor vessel head removed. The reactor coolant system temperature was maintained less than 140°F and the chloride concentration was reduced to less than 0.15 ppm as soon as possible. Therefore, the health and safety of the public were not affected.

3. CAUSE:

All possible sources of makeup water to the reactor coolant system were checked for chlorides with negative results. The only work that was being performed that could have affected the water quality of the reactor coolant system was minor repairs to a closure stud hole on the reactor vessel flange. Therefore, it appears that personnel working on this repair activity contributed to the increased chloride concentration.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to survey all possible makeup water sources for chlorides and to expedite on-going maintenance on the RCS purification system (CVCS).

5. SUBSEQUENT CORRECTIVE ACTION:

After maintenance was completed, the chemical and volume control system, with a mixed bed demineralizer was returned to service. The chloride concentration was reduced to within Tech. Spec. limits in a very short period of time.

6. ACTION TAKEN TO PREVENT RECURRENCE:

This appears to be a random event and therefore no additional actions are deemed necessary.

7. GENERIC IMPLICATIONS

None