

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 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 31 CAT 32

REPORT SOURCE L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 8 | 1 | 7 | 0 | 6 | 2 | 3 | 8 | 1 | 8 | 0 | 7 | 2 | 3 | 8 | 1 | 9

80 81 DOCKET NUMBER 86 89 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

With Unit 2 at 100% power, Periodic Test 18.1 disclosed chloride concentration greater than .15 ppm. Subsequent investigation showed the RWST chloride concentrations to exceed .15 ppm. Since the RWST is the water source for containment spray and LHSI flushing, the basis for TS-4.1F could not be met, and is reportable per T.S-6.6.2.b(2). Communications with Westinghouse indicated with the given RWST conditions, intergranular attack was not likely to occur; therefore, the health and safety of the public were not affected.

SYSTEM CODE S | F | 11 CAUSE CODE E | 12 CAUSE SUBCODE B | 13 COMPONENT CODE V | A | L | V | E | X | 14

COMP SUBCODE E | 15 VALVE SUBCODE D | 16

LEAKAGE REPORT NUMBER 17 8 | 1 EVENT YEAR 21 22

SEQUENTIAL REPORT NO. 24 0 | 3 | 9 OCCURRENCE CODE 28 0 | 3 REPORT TYPE 30 L

REVISION NO. 32 0

ACTION TAKEN X | 18 B | 19 EFFECT ON PLANT 20 2 | 21 SHUTDOWN METHOD 26 Z | 27 HOURS 22 0 | 0 | 0 | 0 ATTACHMENT SUBMITTED 41 Y | 23 NPRO-4 FORM SUB. 42 N | 24 PRIME COMP. SUPPLIER 43 A | 25 COMPONENT MANUFACTURER 44 A | 2 | 0 | 0 | 26 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The source of chloride contamination was leakage through MOV-CS-202A and B from the chemical addition tank. Leakage was reduced by isolating MOV-CS-202B. A procedure was developed to return the RWST chemistry to allowable limits. Sensitized piping flushes are being performed. The MOV's will be repaired at the next outage of sufficient duration.

FACILITY STATUS 1 | 5 E | 28 % POWER 10 1 | 0 | 0 | 0 12 29 OTHER STATUS 30 N/A 44 METHOD OF DISCOVERY 45 B | 31 DISCOVERY DESCRIPTION 32 Periodic Test 80

ACTIVITY CONTENT 1 | 6 2 | 33 2 | 34 AMOUNT OF ACTIVITY 35 N/A 44 LOCATION OF RELEASE 36 N/A 80

PERSONNEL EXPOSURES 1 | 7 0 | 0 | 0 37 2 | 38 DESCRIPTION 39 N/A 80

PERSONNEL INJURIES 1 | 8 0 | 0 | 0 40 DESCRIPTION 41 N/A 80

LOSS OF OR DAMAGE TO FACILITY 1 | 9 Z | 42 DESCRIPTION 43 N/A 80

PUBLICITY 2 | 0 N | 44 DESCRIPTION 45 N/A 80

ISSUED 2 | 0 N | 44 DESCRIPTION 45 N/A 80

86 89 90

8108030137 810723
PDR ADDCK 05000281
S PDR

NRC USE ONLY

76 77 78 79 80

804 357-3184

ATTACHMENT 1
SURRY POWER STATION, UNIT 2
DOCKET NO: 50-281
REPORT NO: 81-039/03L-0
EVENT DATE: 06-23-81

HIGH RWST CHLORIDE CONCENTRATION

1. DESCRIPTION OF THE EVENT:

With Unit 2 operating at 100% steady state power, Period Test 18.1 disclosed chloride concentrations greater than 0.15 ppm. Subsequent investigation of these results showed the RWST to contain chloride concentrations in excess of .15 ppm. Since the RWST is the water source for the containment spray system and the low head safety injection system flushes, the basis for Technical Specification 4.1.F (flushing of sensitized piping) could not be met. This is reportable per T.S.-6.6.2.b(2).

2. PROBABLE CONSEQUENCES:

Chloride concentrations of less than 0.15 ppm are maintained to preclude the possibility of intergranular attack on stainless steel piping. Communications with Westinghouse indicated that, given the conditions in the RWST, intra-granular attack was not likely to occur. Flushing to prevent stagnation was continued on a regular basis. Therefore, the integrity of the affected systems was not compromised, and the health and safety of the public were not affected.

3. CAUSE:

The source of chloride contamination of the RWST has been determined to be leakage through MOV-CS-202A and B from the Chemical Addition Tank.

4. IMMEDIATE CORRECTIVE ACTIONS:

After determining the source of the contamination, leakage was reduced by isolating MOV-CS-202B.

5. SUBSEQUENT CORRECTIVE ACTIONS:

Consultations with corporate chemistry, Westinghouse, and ion exchange resin manufacturers culminated in a procedure which has been used to return the RWST chemistry to within allowable limits. Sensitized piping flushes presently are being completed with satisfactory results as RWST temperature constraints permit.

6. ACTION TAKEN TO PREVENT RECURRENCE:

Maintenance Reports to repair the leaking MOV's have been written. The valves are scheduled to be repaired during the snubber inspection outage scheduled for September, or at a prior outage of sufficient duration.

7. GENERIC IMPLICATIONS:

None.