

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 V A S P S 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58

DN'T
1 REPORT SOURCE L 0 5 0 0 0 2 8 1 7 1 1 0 5 8 0 8 1 2 0 5 8 0 9
8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

2 With the Unit at 100% power, the on service BAST and BIT had a boric acid
3 concentration of less than 11.5 percent. This is contrary to T.S.-3.3.A.
4 3 and is reportable per T.S.-6.6.2.b.(2). A plant shutdown and actions
5 to increase the boric acid concentration were initiated. Therefore, the
6 health and safety of the public were not affected.

9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
P C 11 A 12 A 13 V E S S E L 14 X 15 Z 16
9 10 11 12 13 18 19 20

17 LER-RO REPORT NUMBER 8 0 21 22
18 0 3 8 24 26
19 0 3 28 29
20 L 30
21 0 32
22 0 33

ACTION TAKEN: X 18 H 19
EFFECT ON PLANT: B 20
SHUTDOWN METHOD: Z 21
HOURS: 0 0 0 0 22
ATTACHMENT SUBMITTED: Y 23
NPRD-4 FORM SUB.: N 24
PRIME COMP. SUPPLIER: Z 25
COMPONENT MANUFACTURER: Z 9 9 9 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 An improper valve line up as specified by the equipment tagging report
11 caused the reduction in boric acid concentration. The boric acid concen-
12 tration was increased to within specifications.

5 FACILITY STATUS E 28
POWER: 1 0 0 29
OTHER STATUS: N/A 30
METHOD OF DISCOVERY: A 31
DISCOVERY DESCRIPTION: Operational Event 32

6 RELEASED OF RELEASE: Z 33
AMOUNT OF ACTIVITY: N/A 35
LOCATION OF RELEASE: N/A 36

7 PERSONNEL EXPOSURES
NUMBER: 0 0 0 37
TYPE: Z 38
DESCRIPTION: N/A 39

8 PERSONNEL INJURIES
NUMBER: 0 0 0 40
DESCRIPTION: N/A 41

9 LOSS OF OR DAMAGE TO FACILITY
TYPE: Z 42
DESCRIPTION: N/A 43

0 PUBLICITY
ISSUED: N 44
DESCRIPTION: N/A 45

NRC USE ONLY

8012110398

NAME OF PREPARER J. L. Wilson

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ATTACHMENT 1, PAGE 1 OF 1
SURRY POWER STATION, UNIT 2
DOCKET NO: 50-281
REPORT NO: 80-038/03L-0
EVENT DATE: 11-05-80

TITLE OF EVENT: LOW BORIC ACID CONCENTRATION

1. EVENT DESCRIPTION:

On November 5, 1980 with Unit 2 at 100% power, Primary Grade (PG) water was inadvertently added to the inservice Boric Acid Storage Tank, ("C" BAST) while clearing tags to return a component to service. The inservice BAST was shifted to "B" BAST and subsequently sampled. The sample revealed a low boric acid concentration of 11.2% indicating that "B" BAST had unknowingly been diluted while performing the above tagging report. This event is contrary to Technical Specification 3.3.A.3 and is reportable per Technical Specification 6.6.2.b.(2).

2. PROBABLE CONSEQUENCES:

The BAST provides a supply of boric acid to the charging system blender and the Boron Injection Tank. A slightly lower concentration of boric acid, 11.2% vice 11.5% would have been supplied to the reactor coolant system had the need arisen. A plant shutdown and actions to increase the boric acid concentration were initiated immediately. Therefore, the health and safety of the public were not affected.

3. CAUSE:

An improper valve lineup as specified by the equipment tagging report caused the dilution of "B" & "C" BAST.

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action was to commence a ramp down of the unit, and to initiate measures to increase the boric acid concentration.

5. SUBSEQUENT CORRECTIVE ACTION:

Subsequent corrective action was to batch to the storage tanks to increase the boron concentration to within specifications.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

The importance of correct tagging reports was re-emphasized to the individuals involved. To identify the type of fluid being controlled, valve mark numbers have been changed from a "CH" to a "PG designation.

7. GENERIC IMPLICATIONS:

None.