NRC FORM 366
(7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1) (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)
LICENSEE CODE — LICENSE NUMBER — LICENSE TYPE — CAT

CON'T 0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 2 8 0 (7) | 1 0 1 7 8 2 (8) | 1 1 0 9 8 2 (9)
DOCKET NUMBER — EVENT DATE — REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 With Unit 1 at 40 percent power, one of two required boric acid flow paths to the
0 3 core became unavailable and BIT recirc was terminated due to the temporary loss of
0 4 Boric Acid Transfer Pump 1-CH-P-2A. This is contrary to T.S. 3.2.C.4 and 3.3.A.3,
0 5 and is reportable per T.S. 6.6.2.b(2). Since the transfer pump was returned back
0 6 to service within 3 minutes and the redundant pump remained operable, the health
0 7 and safety of the public would not have been affected.
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	P C (11)	X (12)	Z (13)	P U M P X X (14)	B (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	2	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	Z (19)	Z (20)	Z (21)	0 0 0 0 0	Y (23)	N (24)	A (25)	G 2 0 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The motor trip appears to have been a random incident. The pump breaker was
1 1 reset and flow verified to the VCT and blender.
1 2
1 3
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	X (28)	0 4 0 (29)	NA	A (31)	NA

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

8211170420 821109
PDR ADOCK 05000280
S PDR

PUBLICITY (45)

	ISSUED	DESCRIPTION	NRC USE ONLY
2 0	N (44)	NA	

NAME OF PREPARER J. L. Wilson PHONE (804) 357-3184

ATTACHMENT 1
SURRY POWER STATION, UNIT NO. 1
DOCKET NO: 50-280
REPORT NO: 82-112/03L-0
EVENT DATE: 10-17-82

TITLE OF EVENT: LOSS OF "A" BORIC ACID TRANSFER PUMP

1. Description of Event:

With Unit One at 40% power and ramping up, boric acid flow to the blender and Boron Injection Tank were lost due to Boric Acid Transfer Pump 1-CH-P-2A tripping off. This resulted in unavailability of one of two Boration Flow paths to the core and the loss of continuous recirculation of the Boron Injection Tank (BIT) for approximately 3 minutes, until 1-CH-P-2A was returned to service.

This event is contrary to Technical Specification 3.2.C.4 and 3.3.A.3, and is reportable as per T. S. 6.6.2.b(2).

2. Probable Consequences and Status of Redundant Systems:

During an accident condition, the normal boric acid supply is isolated and boric acid is supplied from the refueling water storage tank. Boron Injection Tank recirc flow interruption is permitted for up to two hours as per T. S. 3.3.B.1D. Therefore, the health and safety of the public would not have been affected.

3. Cause of the Event:

The motor trip appears to have been a random incident.

4. Immediate Corrective Action:

The breaker for transfer pump 1-CH-P-2A was reset and flow to the BIT and blender verified.

5. Subsequent Corrective Action:

Boric Acid Transfer Pump 1-CH-P-2A was tested satisfactory.

6. Action Taken to Prevent Recurrence:

None deemed necessary.

7. Generic Implications:

None.