

CONTROL BLOCK:

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 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

V A S P S 2		2 0 0 1 - 0 0 0 0 0 - 0 0		3 4 1 1 1 1 1 4		5	
L I C E N S E C O D E		L I C E N S E N U M B E R		L I C E N S E T Y P E		C A T 56	
CONT		REPORT SOURCE		DOCKET NUMBER		EVENT DATE	
L 6		10 50 0 0 2 8 1		7 0 6 0 8 8 1		8 0 7 1 7 8 1	
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES		10					
With the unit at 100% power, the NaOH concentration of the CAT, after a level adjustment, was greater than 18%. This is contrary to T.S.-3.4.2.A.4 and is reportable per T.S.-6.6.2.b(2). The CAT would have performed its intended function, iodine removal, during a LOCA. Therefore, the health and safety of the public were not affected.							
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMP SUBCODE	
P C 11		A 12		B 13		Z 15	
COMPONENT CODE		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE	
Z Z Z Z Z 14		0 3 7 26		0 3 28		L 30	
REVISION NO.		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	
0 32		B 18		Z 19		Z 20	
COMPONENT MANUFACTURER		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED	
Z 9 9 9 26		Z 21		0 0 0 0 22		Y 23	
		CAUSE DESCRIPTION AND CORRECTIVE ACTIONS		27			
		Percent volume instead of % weight was used to calculate the amount of NaOH to be added to the CAT. The CAT was diluted to NaOH concentration of 17.7%. Personnel involved will be reinstructed.					
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY	
E 28		1 0 0 29		N/A 30		B 31	
ACTIVITY CONTENT		AMOUNT OF ACTIVITY		DISCOVERY DESCRIPTION		32	
RELEASED OF RELEASE		35		P.T. 33			
Z 33		N/A 34		N/A 36			
PERSONNEL EXPOSURES		DESCRIPTION		39			
NUMBER		0 0 0 37		Z 38		N/A	
PERSONNEL INJURIES		DESCRIPTION		41			
NUMBER		0 0 0 40		N/A			
LOSS OF OR DAMAGE TO FACILITY		DESCRIPTION		43			
TYPE		Z 42		N/A			
PUBLICATION		8107280467 810717		PDR ADOCK 05000281		NRC USE ONLY	
ISSUED DESCRIPTION		S 44		PDR			
NAME OF PREPARER		J. L. Wilson		PHONE		(804) 357-3184	

ATTACHMENT 1

SURRY POWER STATION, UNIT 2

DOCKET NO: 50-281

REPORT NO: 81-037/03L-0

EVENT DATE: 06-08-81

TITLE OF EVENT: NaOH CONCENTRATION GREATER THAN 18%

1. DESCRIPTION OF EVENT:

On June 8, 1981, with the unit at 100% power, a solution of NaOH was added to the RWST Chemical Addition Tank (CAT) in order to raise the operating level. A CAT sample analyzed after the addition indicated a NaOH concentration of 18.2%. This is contrary to Tech. Spec. 3.4.2.A.4 and is reportable per Tech. Spec. 6.6.2.b(2).

2. PROBABLE CONSEQUENCES:

The CAT provides NaOH to the containment spray system to facilitate iodine removal in the containment atmosphere during LOCA. The CAT would have performed its intended function (Iodine removal), however, the containment sump would have a slightly elevated pH. The health and safety of the public were not affected.

3. CAUSE:

The cause was personnel error. Percent volume instead of % weight was used to calculate the amount of NaOH to be added to the CAT.

4. IMMEDIATE CORRECTIVE ACTION:

Primary Grade water was added to the CAT to dilute the contents. Samples after the dilution indicated a 17.7% NaOH concentration in the CAT.

5. SUBSEQUENT CORRECTIVE ACTIONS:

None.

6. ACTION TAKEN TO PREVENT RECURRENCE:

Personnel involved will be instructed to use % weight to calculate NaOH additions.