

CONTROL BLOCK:

(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	0	3	4	1	1	1	1	4		5	
7	8	LICENSEE CODE						14	15	LICENSE NUMBER										25	26	LICENSE TYPE				30	57	CAT		58

CON'T

0	1	REPORT SOURCE										DOCKET NUMBER										EVENT DATE										REPORT DATE									
7	8	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																			
		L	6	0	5	0	0	0	2	8	0	7	0	1	3	1	8	0	8	0	2	1	4	8	0	9															

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | Pipe stress reanalysis on show cause lines outside containment has revealed an over-  
0 3 | stress on line 18"-CC-9-121, Unit No. 2 supply to the "A" Residual Heat Removal  
0 4 | Exchanger. This event is reportable in accordance with the NRC order lifting suspension  
0 5 | of facility operation dated August 22, 1979 and Technical Specification 6.6.2.a.9. The  
0 6 | health and safety of the public were not affected since the redundant train was  
0 7 | operable and isolation capability of the affected line was available.

08		9		80	
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE	
C	F	11	B	12	A
COMP. SUBCODE		VALVE SUBCODE		COMPONENT CODE	
E	15	Z	16	P	I
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	
8	0	21	0	1	0
REPORT TYPE		REVISION NO.		REPORT TYPE	
T	30	0	32	T	30
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT	
F	18	Z	19	Z	20
SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED	
Z	21	0	0	0	0
NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
N	24	A	25	Z	9
PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER		COMPONENT MANUFACTURER	
A	25	Z	9	9	9

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Stress calculations revealed that the installed supports would not prevent an over-

1 1 stressed condition on the affected line during a Design Basis Earthquake. Modification

1 2 was initiated in accordance with preliminary design drawings and completed prior to

1 3 the final stress calculation.

1 4 7 8 9 80

FACILITY STATUS (28) 1 5 E  
 % POWER (29) 1 0 0 NA  
 OTHER STATUS (30)  
 METHOD OF DISCOVERY (31) D  
 DISCOVERY DESCRIPTION (32) Architect Engineer Analysis

ACTIVITY CONTENT  
RELEASED OF RELEASE

1 6 9 Z 33 34 NA

AMOUNT OF ACTIVITY (35)

LOCATION OF RELEASE (36)

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

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	8	0	0
0	0	0	40
		NA	

1	9	LOSS OF OR DAMAGE TO FACILITY		(43)
TYPE		DESCRIPTION		
Z	(42)	NA		

8 9 10 80

PUBLICITY

ISSUED DESCRIPTION (45)

(2) (0) (N) (44) NA 8002190729

NRC USE ONLY

NRC USE ONLY

8002190729

NAME OF PREPARER W. I. Stewart

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200, 7-936

SURRY POWER STATION, UNIT 1  
DOCKET NO: 50-280  
REPORT NO: 80-010/01T-0  
EVENT DATE: 01-31-80  
TITLE OF REPORT: Excessive Stress on Pipe 18"-CC-9-121

1. DESCRIPTION OF EVENT:

During progress of the pipe stress reanalysis effort, it was determined that line 18"-CC-9-121 would have been overstressed (exceeding 50 percent ultimate capacity) in the event of a Design Basis Earthquake. The affected line feeds the Unit No. 2 "A" RHR Heat Exchanger. This event is reportable in accordance with the NRC order lifting suspension of unit operation dated August 22, 1979 and Tech. Spec. 6.6.2.a.9.

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

Since the redundant train was operable and isolation capability, for the affected line was available, the health and safety of the public were not affected.

3. CAUSE:

The problem was disclosed when the architect engineer, who is conducting the pipe stress reanalysis required by the NRC Show Cause order, discovered the overstress condition.

4. IMMEDIATE CORRECTIVE ACTION:

The overstressed condition was relieved by installing a constraint in accordance with preliminary design drawings.

5. SUBSEQUENT CORRECTIVE ACTION:

No subsequent action is required since the overstressed condition has been rectified.

6. FUTURE CORRECTIVE ACTION:

None required.

7. GENERIC IMPLICATIONS:

The reanalysis has been directed towards all Show Cause lines. As overstressed conditions arise, the appropriate corrective actions are implemented.