

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 V A S P S 1 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T

0 1 REPORT SOURCE L 0 5 0 0 0 2 8 0 7 1 2 2 0 7 9 8 0 1 0 2 8 0 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 As a result of pipe stress reanalysis on show cause lines outside containment, a
0 3 support on line 10"OC-143-121, Unit No. 2 supply to the Spent Fuel Pit Cooling Heat
0 4 Exchangers, was found to be overstressed beyond 50 percent ultimate capacity. This
0 5 event is reportable in accordance with Tech. Spec. 6.6.2.a.9 and the NRC order lifting
0 6 suspension of unit operation dated August 22, 1979. The health and safety of the
0 7 public were not affected.

0 8 80

0 9 SYSTEM CODE W B 11 CAUSE CODE B 12 CAUSE SUBCODE A 13 COMPONENT CODE S U P P O R T 14 COMP. SUBCODE A 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER 7 9 21 22 SEQUENTIAL REPORT NO: 0 4 2 23 24 26 OCCURRENCE CODE 0 1 27 28 29 REPORT TYPE T 30 31 REVISION NO. 0 32
ACTION TAKEN F 18 FUTURE ACTION Z 19 EFFECT ON PLANT Z 20 SHUTDOWN METHOD Z 21 HOURS 0 0 0 22 ATTACHMENT SUBMITTED Y 23 NRPD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER A 25 COMPONENT MANUFACTURER X 9 9 9 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Stress analysis calculations revealed that initial configuration of the hanger did
1 1 not meet acceptance criteria. Modification to the support was completed based upon
1 2 preliminary design drawings prior to final stress calculation.

1 3
1 4 80

1 5 FACILITY STATUS E 28 % POWER 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY D 31 DISCOVERY DESCRIPTION ARCHITECT ENGINEER ANALYSIS 32
7 8 9 10 12 13 44 45 46 80

1 6 ACTIVITY CONTENT RELEASED OF RELEASE Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36
7 8 9 10 11 44 45 80

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 11 12 13 80

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41
7 8 9 11 12 80

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 80

2 0 PUBLICITY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 80

NAME OF PREPARER W. L. Stewart

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NRC USE ONLY

SURRY POWER STATION, UNIT NO. 1
REPORT NO: 50-280
EVENT NO: 79-042/01T-0
EVENT DATE: 12/20/79

TITLE OF REPORT: Excess Stress on Pipe Hanger, Line 10"-CC-143-121

1. DESCRIPTION OF EVENT:

During the pipe stress analysis it was discovered that a support on line 10"-CC-143-121 was overstressed and exceeded 50 percent ultimate capacity. The event is reportable in accordance with the NRC order lifting suspension of operation dated August 22, 1979, and Technical Specification 6.6.2.a.9.

2. PROBABLE CONSEQUENCES:

This CC water supply for the Spent Fuel Pit Coolers comes from the discharge side of "C" and "D" Component Cooling Heat Exchangers. A breach of the affected line could negate the use of these Heat Exchangers. The health and safety of the public were not affected.

3. CAUSE OF EVENT:

The architect engineer encountered the problem while conducting the pipe stress analysis precipitated by the NRC Show Cause Order.

4. IMMEDIATE CORRECTIVE ACTION:

Corrective action taken was to modify the support in accordance with preliminary design drawings. The modification was completed prior to identification of overstressed conditions.

5. SUBSEQUENT CORRECTIVE ACTION:

Since modifications have been made to eliminate the overstressed conditions, no subsequent action is required.

6. FUTURE CORRECTIVE ACTION:

Modifications will be made to relieve any additional overstress conditions identified.

7. GENERIC IMPLICATIONS:

Analysis continues on both units to discern and rectify all overstressed conditions.