

INCIDENT REPORT

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 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
8 9 14 15 25 25 57 CAT 58
 LICENSEE CODE LICENSE NUMBER LICENSE TYPE

CONT
 01 L 6 0 5 0 0 0 2 8 0 7 0 4 0 8 8 3 8 0 5 0 6 8 3 9
60 61 66 69 74 75 80
 REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While performing PT 39.2 (Snubber Functional Test), twenty of fifty eight snubbers
 03 failed to meet the acceptance criteria stipulated in the Periodic test. This is
 04 reportable in accordance with T.S.6.6.2.b.(2). Since no seismic disturbances were
 05 experienced while the unit was at power, the health and safety of the public would
 06 not have been affected.

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
 Z Z 11 E 12 B 13 S U P P O R T 14 Z 15 Z 16
9 10 11 12 13 18 19 20
 17 LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPOF TYPE REVISION NO.
 8 3 0 2 0 0 3 L 0
21 22 24 26 27 28 29 30 31 32
 ACTION FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NFRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
 D 18 Z 19 D 20 D 21 0 0 0 0 Y 23 Y 24 A 25 I 2 0 7 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Of the eleven (11) hydraulic snubbers tested, 3 failures could be attributed to
 11 seal degradation, 3 were found to be satisfactory, and 5 failures await further
 12 evaluation. Of the 9 mechanical snubbers tested, 3 were found satisfactory by the
 13 vendor, and 6 await further evaluation. Snubbers that failed were either readjusted,
 14 repaired, or replaced..

15 FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
 G 28 0 0 0 29 N/A B 31 Result of functional test
8 9 10 12 13 44 45 46
 16 ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
 Z 33 Z 34 N/A N/A
8 9 10 11 44 45
 17 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
 0 0 0 37 Z 38 N/A
8 9 11 12 13
 18 PERSONNEL INJURIES NUMBER DESCRIPTION 41
 0 0 0 40 N/A
8 9 11 12
 19 LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
 Z 42 N/A
8 9 10
 20 PUBLICITY ISSUED DESCRIPTION 45
 N 44 N/A
8 9 10
 8305130243 830506
 PDR ADOCK 05000280
 PDR
 NRC USE ONLY
 68 69 80

NAME OF PREPARED J. L. Wilson

PHONE (804) 357-3184

ATTACHMENT 1 (PAGE 1 OF 2)
SURRY POWER STATION, UNIT NO. 1
DOCKET NO: 50-280
REPORT NO: 83-020/03L-0
EVENT DATE: 04-08-83

TITLE OF THE EVENT: FUNCTIONALLY INOPERABLE SNUBBERS

1. Description of the Event:

While performing PT-39.2 (Snubber Functional Test), twenty of fifty-eight snubbers failed to meet the acceptance criteria stipulated in the Periodic Test. This is reportable per Technical Specification 6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment:

Snubbers prevent unrestrained pipe motion that can occur during an earthquake or a severe hydraulic transient while allowing for thermal pipe movement. The possible consequence from an inoperable snubber is an increased chance of pipe damage resulting from dynamic loads.

An engineering evaluation using NUPIPE, thermal stress code, indicated if the failed snubbers tested had acted as rigid supports, no safety related components would have been damaged. In addition, since no seismic disturbances were experienced during the time failed snubbers were installed, the health and safety of the public was not affected.

3. Cause:

Hydraulic

Of the eleven (11) snubbers that failed the functional test, 3 failures can be attributed to seal degradation. In addition, 3 snubbers, 6" Pathon 1-RC-ESS-122, 12" Pathon 1-RC-HSS-139, and a 12" Bergon Patterson 1-RC-HSS-171 were rebuilt by Wyle Laboratory and no problems could be identified. Of the remaining 5 failed snubbers tested, all could be set to optimum design conditions. Therefore, the cause of failure could not be determined and investigation is continuing.

Mechanical

Of the 9 mechanical snubbers that failed the functional test, 3 were returned to Pacific Scientific and were disassembled, cleaned, and inspected with no defects noted. Any problems in the remaining snubbers have not been identified. All mechanical snubbers that failed the functional test were replaced with operable spares.

4. Immediate Corrective Action:

Snubbers that failed were repaired or replaced and functionally tested satisfactorily.

ATTACHMENT 1 (11/7/83) (01-2)
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5. Subsequent Corrective Action:

Engineering Study 83-71 has determined no generic problems exist with snubbers, but overall snubber reliability is continuing to be investigated. An engineering evaluation was initiated to determine if any safety related components supported by the inoperable snubbers were adversely affected. No safety related components were found to be adversely affected during the normal plant operation.

6. Action Taken to Prevent Recurrence:

Awaiting the findings of an on-going evaluation, as stated in Engineering Study 83-71.

7. Generic Implications:

None.