

LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 V A S P S 1 00-00000000-0003 4111114 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T
01 REPORT SOURCE X 05000280 030979 032179
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
02 The Architect-Engineer (AE) notified Veeco of possible non-conservatism in the pipe
03 stress code used to analyze some piping systems at Surry. Inaccurate valve weights
04 were also identified in some instances. The health and safety of the public was not
05 affected. This event is reported per Technical Specification 6.6.2.a.9.
06
07
08

09 SYSTEM CAUSE CAUSE COMPONENT COMP. VALVE
CODE CODE SUBCODE CODE SUBCODE SUBCODE
Z Z B A Z Z Z Z Z Z Z Z
9 10 11 12 13 18 19 20

17 LER/RO REPORT NUMBER 79
EVENT YEAR 79
21 22
SEQUENTIAL REPORT NO. 004
24 26
OCCURRENCE CODE 01
28 29
REPORT TYPE T
30
REVISION NO. 0
32

ACTION TAKEN X 18
33 34
FUTURE ACTION X 19
35
EFFECT ON PLANT A 20
35
SHUTDOWN METHOD A 21
36
HOURS 0504
37 40
ATTACHMENT SUBMITTED Y 23
41
NPRD-4 FORM SUB. N 24
42
PRIME COMP. SUPPLIER Z 25
43
COMPONENT MANUFACTURER Z999
44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10 In reviewing the Beaver Valley piping design, the AE discovered an error in the pipe
11 stress analysis and the valve weight used to analyze stress in some piping systems. It
12 was found that the discrepancy also applies to Surry. An evaluation of the problem is
13 underway. Both units are shutdown awaiting the results of the re-evaluation.
14

15 FACILITY STATUS E 28
7 8 9
% POWER 100 29
10 12 13
OTHER STATUS NA 30
44
METHOD OF DISCOVERY D 31
45 46
DISCOVERY DESCRIPTION AE 32
80

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

17 PERSONNEL EXPOSURES
NUMBER TYPE DESCRIPTION
000 Z NA
7 8 9 11 12 13 39

18 PERSONNEL INJURIES
NUMBER DESCRIPTION
000 NA
7 8 9 11 12 41

19 LOSS OF OR DAMAGE TO FACILITY
TYPE DESCRIPTION
Z NA
7 8 9 11 12 43

20 PUBLICITY ISSUED Y 44
7 8 9 10
DESCRIPTION VEPCO News Releases dated 3-13-79
45
7903270419
NRC USE ONLY
80

Surry Power Station, Unit Nos. 1 & 2
Docket No.: 50-280 & 50-281
Report No.: 79-004/01T-0
Event Date: 03-09-79

Pipe Stress Analysis Evaluation

1. Description of Event:

The Architect-Engineer (AE) notified Vepco of possible non-conservatism in the pipe stress code used to analyze some piping systems at Surry. Inaccurate valve weights were also identified in some instances. The health and safety of the public were not affected. This event is reported per Technical Specification 6.6.2.a.9.

2. Probable Consequences and Status of Redundant Systems:

Possible non-conservatism are being investigated by the Architect Engineer to determine their extent and magnitude.

3. Cause:

In reviewing the Beaver Valley piping design, the AE discovered an error in the pipe stress analysis and the valve weight used to analyze stress in some piping systems. It was found that the discrepancy also applies to Surry. An evaluation of the problem is underway. Both units are shutdown awaiting the results of the re-evaluation.

4. Immediate Corrective Actions:

The immediate corrective action was to begin an investigation to determine if the significance of any non-conservatism are of sufficient magnitude to require corrective action. Unit 2 was already shutdown for steam generator repairs. Unit 1 was shutdown pending the investigation of the discrepancy.

5. Subsequent Corrective Action:

Corrective action will be subsequently taken if deemed necessary by the aforementioned investigation.

6. Future Corrective Action:

No future corrective action is deemed necessary at this time.

7. Generic Implications:

This event is applicable to Surry Units 1 and 2.