

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 N J S G S 2 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 57 CAT 58

CON'T

0 1 REPORT SOURCE L 6 0 5 0 0 0 3 1 1 7 0 6 1 6 8 1 8 0 6 3 0 9 1 9
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 During a repair of a valve bonnet leak, check valves 21MS46 and 23MS46 were found to
0 3 be internally damaged. This occurrence constituted failure of one or more
0 4 components which could prevent the fulfillment of the functional requirements of
0 5 systems used to cope with accidents analyzed in the SAR in accordance with
0 6 Technical Specification 6.9.1.8.e.

0 7
0 8

0 9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE
C H 11 E 12 B 13 V A L V E X 14 C 15 A 16
7 8 9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER EVENT YEAR 8 1 21 22
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
A 18 A 19 Z 20 Z 21 0 0 0 0 22 Y 23 N 24 L 25 V 0 8 5 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 Valves 21MS46 and 23MS46 were repaired on site by PSE&G personnel assisted by a
1 1 vendor representative. Complete parts have been ordered for both valves. A
1 2 supplemental report will be issued when investigation into the cause of this
1 3 occurrence has been determined.

1 4

1 5 FACILITY STATUS % POWER OTHER STATUS 30 METHOD OF DISCOVERY DISCOVERY DESCRIPTION 32
G 28 0 0 0 29 N/A A 31 Operator Observation
7 8 9 10 12 13 44 45 46 80

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

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

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

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

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

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PDR ADOCK 05000311
S PDR

NRC USE ONLY

NAME OF PREPARER J. J. Espey

PHONE: 609-9 798

Report Number: 81-35/01T
Report Date: June 30, 1981
Occurrence Date: 6-16-81
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Check Valves 21MS46 and 23MS46 - Inoperable

CONDITIONS PRIOR TO OCCURRENCE:

Mode 5 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

During the repair of a valve bonnet leak on check valve 23MS46 the valve was found to be damaged internally. The valve disc stud had broken and the valve disc was in the bottom of the valve body. Valve 23MS46 also had cracks in the disc, cracked bushings, warped hinge pin, and all hinge pin holes were elongated.

Valve 21MS46 was inspected and similar damage was observed.

This occurrence constituted failure of one or more components which could prevent the fulfillment of the functional requirements of systems used to cope with accidents analyzed in the SAR in accordance with Technical Specification 6.9.1.8.e.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this damage has not been determined and is under investigation.

ANALYSIS OF OCCURRENCE:

The vendor was called in to assist PSE&G personnel in determining the cause of this occurrence. The representative supplied parts to return the valves to operable status.

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CORRECTIVE ACTION:

Valves were repaired and made operable. Investigation of this occurrence will determine the corrective action necessary to mitigate a reoccurrence of this failure. These valves will be radiographed until a determination of the reason for the damage can be made.

When this investigation is complete a supplemental report will be issued.

FAILURE DATA:

Check Valves 21MS46 and 23MS46
Velan 6" Check Valve
Type B14-2114 B-2TS

Prepared By J. J. Espey

SORC Meeting No. 81-56

HJ. Midura
Manager - Salem Generating Station