

Report Number: 81-10/03L
Report Date: May 22, 1981
Occurrence Date: 4/26/81
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Loss of Service Water Loop (21)

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 - Rx Power 0% - Unit Load 0 MW

DESCRIPTION OF OCCURRENCE:

At 1600 hours on April 26, 1981, Service Water Pump No. 23 was declared inoperable due to packing leaks. Since the No. 22 Service Water Pump was already inoperable for maintenance, only one Service Water Loop was operable. Action Statement 3.7.4.1 was entered at this time. This occurrence constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment Failure - The pump's main shaft packing was found to be worn.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.7.4.1 requires that with only one Service Water Loop operable, restore at least two loops to operable status within 72 hours or be in at least hot standby within the next six hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

The packing was replaced and the pump tested satisfactorily. The Action Statement was terminated at 2022 hours on April 26, 1981.

FAILURE DATA:

Layne-Bowler, Inc.
Pump SN #D26081

Prepared By J. J. Espey

SORC Meeting No. 81-34

J. J. Espey
Manager - Salem Generating Station

8106020558

LICENSEE EVENT REPORT

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

0 1 | N | J | S | G | S | 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 58
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T
0 1 | L | 0 | 5 | 0 | 0 | 0 | 3 | 1 | 1 | 7 | 0 | 4 | 2 | 6 | 8 | 1 | 8 | 0 | 5 | 2 | 2 | 8 | 1 | 9
7 8 60 61 68 69 74 75 80
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | At 1600 hours on April 26, 1981, Service Water Pump No. 23 was declared
0 3 | inoperable due to packing leaks. Since the No. 22 Service Water Pump was
0 4 | already inoperable for maintenance, only one Service Water loop was operable.
0 5 | Action Statement 3.7.4.1 was entered at this time.
0 6 |
0 7 |
0 8 |

0 9 | W | A | E | B | P | U | M | P | X | X | B | Z | L | R | O | 8 | 1 | 0 | 1 | 0 | 0 | 3 | L | 0 | A | Z | Z | 0 | 0 | 0 | 0 | Y | Y | L | L | 0 | 9 | 5
7 8 9 10 11 12 13 18 19 20 21 22 23 24 26 27 28 29 30 31 32 33 34 35 36 37 40 41 42 43 44 47
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE
LER/RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | The pump's main shaft packing was found to be worn. The packing was
1 1 | replaced and the pump tested satisfactory. The Action Statement was
1 2 | terminated at 2022 hours.
1 3 |
1 4 |

1 5 | C | 0 | 0 | 0 | NA | A | Operator Observation
7 8 9 10 12 13 44 45 46 80
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

1 6 | Z | Z | NA | NA | NA
7 8 9 10 11 44 45 80
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

1 7 | 0 | 0 | 0 | Z | NA
7 8 9 10 11 12 13 80
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

1 8 | 0 | 0 | 0 | NA
7 8 9 10 11 12 80
PERSONNEL INJURIES NUMBER DESCRIPTION

1 9 | Z | NA
7 8 9 10 11 12 80
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

2 0 | N | NA
7 8 9 10 11 12 80
ISSUED DESCRIPTION
NAME OF PREPARER: J. J. Espey PHONE: 609-935-0998
PUBLICITY ISSUED DESCRIPTION NRC USE ONLY