

REGULATORY DOCKET FILE 622-7000 Public Service Electric and Gas Company 80 Park Place Newark, N.J. 07101 Phone 201

June 30, 1978

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DISTR

Mr. Boyce H. Grier Director of USNRC Office of Inspections and Enforcements Region 1 631 Park Avenue King of Prussia, Pennsylvania 19406

Dear Mr. Grier: `

LICENSE NO. DPR-70 DOCKET NO. 50-272 REPORTABLE OCCURRENCE 78-28/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 78-28/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

F. P. Librizzi General Manager -Electric Production

CC: Director, Office of Inspection and Enforcement (30 copies) Director, Office of Management Information and Program Control (3 copies)

781870317

The Energy People

Report Number: Report Date: Occurrence Date: Facility:

6/8/78 Salem Generating Station Public Service Electric & Gas Company Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Inoperable 100 ft. Elevation Air Lock Interior Door

78-28/03L

6/30/78

CONDITIONS PRIOR TO OCCURRENCE:

Hot Standby: Mode 3

DESCRIPTION OF OCCURRENCE:

At 1030 hours, during personnel entry into containment, a failure of the interior door on the 100 ft. elevation personnel airlock was identified. Exterior door was cleared and tagged in the closed position and Action Statement for LCO 3.6.1.3 was implemented. Maintenance personnel investigated and found a broken cam follower. The failed cam follower was replaced from spares and the door returned to operable status at 2045 hours. Action Statement for LCO 3.6.1.3 was then terminated.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Improper operation of the personnel airlock caused excessive stress on the cam follower resulting in shaft failure.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.6.1.3 states that with an airlock inoperable, restore the airlock to operable status within 24 hours or be in at least Hot Standby within the next 6 hours and in Cold Shutdown within the following 30 hours. The elevation 100 ft. interior door was reworked and the airlock returned to operable status in 10-1/2 hours. The unit remained in Mode 3 throughout this period.

CORRECTIVE ACTION:

Failed cam follower was replaced from spares and the airlock was tested satisfactory.

To prevent further occurrences, the Chief Engineer has issued a memo to all department heads instructing them to retrain the members of their department on proper airlock operation.

FAILURE DATA:

Containment Personnel Airlock

Manufacturer: Chicago Bridge & Iron

Cam Follower

Manufacturer:

Smith Bearing Division Garwood, New Jersey

PN: CR-1X

Prepared by T. L. Spencer

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Manager - Salem Generating Station

SORC Meeting No. 37-78

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CONTROL BLOCK:
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
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o 4 cam follower. Exterior door remained closed throughout this event.
Image: Old State This is the fifth event of this type.
0 8 L 7 8 9 80
$\begin{array}{c cccc} \text{SYSTEM} & \text{CAUSE} & \text{CAUSE} & \text{COMPONENT CODE} & \text{COMP.} & \text{VALVE} \\ \text{CODE} & \text{CODE} & \text{SUBCODE} & \text{COMPONENT CODE} & \text{SUBCODE} \\ \hline 0 & 9 & & S & A & (11) & & A & (12) & & X & (13) & & P & E & N & & E & T & & R & (14) & & Z & & (15) & & Z & & (16) \\ \hline \end{array}$
7 8 9 10 11 12 13 18 19 20 SEQUENTIAL OCCURRENCE REPORT REVISION LER'RO EVENT YEAR REPORT NO. CODE TYPE NO.
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ACTION FUTURE EFFECT SHUTDOWN HOURS (22) ATTACHMENT NPRD-4 PRIME COMP. COMPONENT TAKEN ACTION ON PLANT METHOD HOURS (22) SUBMITTED FORM SUB SUPPLIER MANUFACTURER A 13 H 19 Z 20 Z 21 0 0 0 0 V 23 Y 24 L 25 C 3 1 0 26
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
10 [Improper operation of the airlock caused a cam follower shaft failure.]
[1]] [Cam follower replaced. Personnel will be retrained on proper airlock]
12 Operation.
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7 B 9 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
1 7 0 0 0 30 Z 38 N/A 7 8 9 PERSONNEL INJURIES 13 30
7 8 9 11 12 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION
7 8 9 10 68 69 20 5 NAME OF PREPARER T. L. Spencer PHONE: (609) 365-7000 Salem Ext.