

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

September 18, 1978


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 78-56/03L

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 78-56/03L. 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)

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Report Number: 78-56/03L  
Report Date: 9/18/78  
Occurrence Date: 8/27/78  
Facility: Salem Generating Station  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Inoperable Containment Personnel Airlock

CONDITIONS PRIOR TO OCCURRENCE:

Hot Standby Mode 3

DESCRIPTION OF OCCURRENCE:

During containment entry in Mode 3, a Maintenance Supervisor reported a failure of the interlock assembly on the 100 foot elevation personnel airlock. Action Statement for LCO 3.6.1.3 was implemented. Maintenance personnel reworked the door and retest results were satisfactory.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this occurrence was failure of two (2) cam followers on the interlock device. Cam follower failure resulted in neither door opening.

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 foot interior door was reworked and the airlock returned to operable status in 33 hours. The unit remained in Mode 3 throughout this period.

CORRECTIVE ACTION:

The failed cam followers were replaced from spares and the interlock was tested satisfactory. Door seal leak rate was performed to confirm operability. A design change request has been initiated to upgrade the door mechanism.

FAILURE DATA:

Containment Airlock

Manufacturer: Chicago Bridge & Iron

Prepared by T. L. Spencer

SORC Meeting No. 55-78

H. J. Rapadura  
Manager - Salem Generating Static

## LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	J	S	G	S	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
LICENSEE CODE								LICENSE NUMBER												LICENSE TYPE					CAT		58		

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0	1	L	6	0	5	0	0	0	2	7	2	7	0	8	2	7	7	8	8	0	9	1	8	7	8	9
REPORT SOURCE		DOCKET NUMBER										EVENT DATE						REPORT DATE								

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	2	During Mode 3 operation, the 100 ft. containment air lock door became																																																																														
0	3	inoperable due to failure of the interlock mechanism. T.S. 3.6.1.3																																																																														
0	4	implemented. 130 ft. air lock operable. This is the seventh event																																																																														
0	5	of this type.																																																																														
0	6																																																																															
0	7																																																																															
0	8																																																																															

0	9	S	A	11	E	12	B	13	P	E	N	E	T	R	14	Z	15	Z	16
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE								COMP. SUBCODE		VALVE SUBCODE			

17	7	8	—	0	5	6	—	0	3	L	—	0
LER/RO REPORT NUMBER	EVENT YEAR			SEQUENTIAL REPORT NO.			OCCURRENCE CODE		REPORT TYPE			REVISION NO.

A	18	X	19	Z	20	Z	21	0	0	0	0	X	23	Y	24	L	25	C	3	1	0	2
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 cause of this occurrence was failed cam followers on the inner and																																																																														
1	1	outer air lock doors. Cam followers were replaced and air lock tested																																																																														
1	2	satisfactorily. A design change request has been initiated to upgrade																																																																														
1	3	the door mechanism.																																																																														
1	4																																																																															

1	5	G	28	0	0	0	29	N/A	A	31	During personnel entry.																																																																				
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION																																																																							

1	6	Z	33	Z	34	N/A	35	N/A	LOCATION OF RELEASE																																																																						
ACTIVITY TAKEN		CONTENT RELEASED		AMOUNT OF ACTIVITY		LOCATION OF RELEASE																																																																									

1	7	0	0	0	37	Z	38	N/A	DESCRIPTION																																																																						
PERSONNEL EXPOSURES NUMBER		TYPE		DESCRIPTION		DESCRIPTION																																																																									

1	8	0	0	0	40	N/A	DESCRIPTION																																																																						
PERSONNEL INJURIES NUMBER		DESCRIPTION		DESCRIPTION																																																																									

1	9	Z	42	N/A	DESCRIPTION																																																																								
LOSS OF OR DAMAGE TO FACILITY TYPE		DESCRIPTION		DESCRIPTION																																																																									

2	0	Z	44	N/A	DESCRIPTION																																																																								
PUBLICITY ISSUED		DESCRIPTION		DESCRIPTION																																																																									

NAME OF PREPARER T. L. Spencer

PHONE: (609) 365-7000 Salem Ext.