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Public Service Electric and Gas Company P.O. Box 168 Hancocks Bridge, New Jersey 08038

Salem Generating Station

August 28, 1981

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



Dear Mr. Grier:

LICENSE NO. DPR-75  
DOCKET NO. 50-311  
REPORTABLE OCCURRENCE 81-83/03L

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee's Event Report for Reportable Occurrence 81-83/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura  
Manager -  
Salem Generating Station

CC: R. A. Uderitz  
General Manager - Nuclear Production  
Director, Office of Inspection  
and Enforcement (30 copies)  
Director, Office of Management  
Information and Program Control  
(3 copies)

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Report Number: 81-83/03L  
Report Date: 8-28-81  
Occurrence Date: 8-8-81 and 8-9-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

100' Elevation Containment Air Lock - Inoperable.  
This report was initiated by Incident Reports 81-318 and 81-321.

CONDITIONS PRIOR TO OCCURRENCE:

8-8-81 Mode 1 - Rx Power 77% - Unit Load 840 MWe  
8-9-81 Mode 1 - Rx Power 75% - Unit Load 810 MWe

DESCRIPTION OF OCCURRENCE:

On August 8 and August 9, 1981, while performing surveillance procedure SP(O)4.6.1.3 on the 100' elevation containment air lock, it was determined that the leakage rate exceeded the limit of 0.05 La at the design pressure of 47.0 psig as required by technical specification 3.6.1.3.b. At 2015 and 1230 hours, on August 8 and August 9, respectively, the air lock was declared inoperable and action statement 3.6.1.3 was entered.

These occurrences constituted operation in a degraded mode in accordance with technical specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

On August 8, it was determined that the outer door seal had come out of its channel, and was leaking.

On August 9, it was discovered that a door cam roller had moved off its track, preventing a proper seal.

ANALYSIS OF OCCURRENCE:

Technical specification 3.6.1.3 requires:

With an air lock inoperable, restore the air lock 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.

CORRECTIVE ACTION:

On August 8, the door seal was repaired and tested satisfactorily.

On August 9, the door cam roller was realigned. The leak rate test was then performed satisfactorily.

At 2030 and 1836 hours on August 8 and August 9, respectively, action statement 3.6.1.3 was terminated.

FAILURE DATA:

Containment Air Lock  
Chicago Bridge And Iron Company

Cam Rollers  
Smith Bearing Division  
PN: CR-1X

Prepared By F. Dickey

SORC Meeting No. 81-83

*H. J. Dufur*  
Manager - Salem Generating Station