



**PSEG**

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

Salem Generating Station

April 1, 1982

Mr. R. C. Haynes  
Regional Administrator  
USNRC  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

Dear Mr. Haynes

LICENSE NO. DPR-70  
DOCKET NO. 50-272  
REPORTABLE OCCURRENCE 81-116/03X-1  
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station  
Unit No. 1 Technical Specifications, Section 6.9.1.9.b,  
we are submitting supplemental Licensee Event Report for  
Reportable Occurrence 81-116/03X-1.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations



 FD:al

CC: Distribution

8204160599 820401  
PDR ADOCK 05000272  
S PDR

100-2189-101A 11-81

Report Number: 81-116/03X-1  
Report Date: 04-01-82  
Occurrence Date: 11-24-81, 11-28-81, and 12-8-81  
Facility: Salem Generating Station, Unit 1  
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 81-477, 81-483, and 81-492.

CONDITIONS PRIOR TO OCCURRENCE:

11-24-81 Mode 1 - Rx Power 80% - Unit Load 830 MWe  
11-28-81 Mode 1 - Rx Power 69% - Unit Load 710 MWe  
12-08-81 Mode 1 - Rx Power 76% - Unit Load 800 MWe

DESCRIPTION OF OCCURRENCE:

On three separate occasions, November 24 and 28, and December 8, 1981, during the performance of surveillance procedure SP(O) 4.6.1.3, the 100' Elevation Containment Air Lock exceeded the leakage rate limit of 0.05 La at the design pressure of 47.0 PSIG as required by Technical Specification 3.6.1.3.b. At 1600, 1935, and 1500 hours, respectively, the air lock was declared inoperable and Action Statement 3.6.1.3 was entered.

This occurrence constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The air lock leakage was due to leaking seals and the set screw falling out of the door-operating handwheel.

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 November 24 the inner seal on the outer door which had been damaged, was satisfactorily replaced. On November 28 a seal on the inner door was leaking excessively. It was removed, turned around, and properly reinstalled. On December 8 a seal on the inner door popped out, and the setscrew on the door-operating handwheel fell out. The seal was repositioned and the setscrew was properly reinstalled. On all three occasions surveillance procedure SP(O) 4.6.1.3 was satisfactorily performed, and at 1925, 2220, and 2000 hours, respectively, Action Statement 3.6.1.3 was terminated.

The leaking door seals were purchased from a non-standard supplier. Return to the standard supplier has resulted in better quality seals.

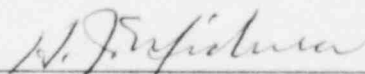
The air lock manufacturer is supplying a regular and thorough maintenance program in an effort to reduce mechanical malfunctions. It is expected on site April 6, 1982. No supplemental report will be issued.

FAILURE DATA:

Chicago Bridge and Iron Company  
Containment Air Lock  
Door Seal

Prepared By F. Dickey

SORC Meeting No. 81-132

  
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General Manager -  
Salem Operations