



**PSEG**

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

Salem Generating Station

March 30, 1983

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 81-121/03X-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 81-121/03X-1.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations

RH:ks

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CC: Distribution

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PDR ADOCK 05000272  
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The Energy People

*IE 22*

Report Number: 81-121/03X-1  
Report Date: 03-30-83  
Occurrence Date: 12-28-81  
Facility: Salem Generating Station, Unit 1  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Containment Fan Coil Unit - Service Water Leak Outside Containment.

This report was initiated by Incident Report 81-512.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 64% - Unit Load 660 MWe

DESCRIPTION OF OCCURRENCE:

On December 28, 1981, an operator discovered a service water leak in the spool piece between service water valves 12SW57 and 12SW58, located in the 78' Elevation North Penetration Area. The leak was isolated by closing service water valves 12SW54 and 12SW76, isolating No. 12 Containment Fan Coil Unit (CFCU), rendering it inoperable. At 0550 hours Action Statement 3.6.2.3.a 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 carbon steel spool piece between valves 12SW57 and 12SW58 was leaking.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.6.2.3.a requires:

With one group of the required Containment Cooling Fans inoperable and both Containment Spray Systems operable, restore the inoperable group of cooling fans to operable status within 7 days or be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

At 0347 hours, January 2, 1982, the plant went into mode 4. Because Action Statement 3.6.2.3.a is not applicable in mode 4, it was terminated.

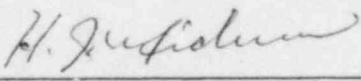
Design Change Package (DCP) 1EC-0504 has since been implemented. This DCP replaced the spool piece with one made of stainless steel for improved erosion and corrosion resistance.

FAILURE DATA:

Spool Piece  
Carbon Steel

Prepared By R. Heller

SORC Meeting No. 83-40

  
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General Manager -  
Salem Operations