



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

Salem Generating Station

May 5, 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 82-027/99X0

Pursuant to the requirements of Salem Generating Station  
Unit No. 1, Technical Specifications, Section 6.9.2.f,  
we are submitting the Licensee Event Report for Reportable  
Occurrence 82-027/99X0. This report is required within  
thirty seven (37) days of the occurrence.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations

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CC: Distribution

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The Energy People

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Report Number: 82-027/99X0

Report Date: 05-05-82

Occurrence Date: 04-22-82

Facility: Salem Generating Station, Unit 1  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 2 Fire Pump - Inoperable.

This report was initiated by Incident Report 82-095.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 2 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

On April 22, 1982, during surveillance testing, it was discovered that No. 2 Fire Pump did not start in the automatic mode. No. 2 Fire Pump was declared inoperable at 1115 hours, and Action Statement 3.7.10.1.a was entered. No. 1 Fire Pump tested satisfactorily and was operable in the event of a fire.

At 1115 hours, April 29, 1982, No. 2 Fire Pump was still inoperable. This occurrence was therefore reportable in accordance with Technical Specification 6.9.2.f, Special Reports for Fire Suppression Systems.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

No. 2 Fire Pump failed to start due to a damaged flywheel.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.7.10.1.a requires:

With one pump and/or water supply inoperable, restore the inoperable equipment to operable status within 7 days or prepare and submit a special report to the Commission pursuant to Specification 6.9.2 within the next 30 days, outlining the plans and procedures to be used to provide for the loss of redundancy in this system.

CORRECTIVE ACTION:

A redundant water supply was available via the crosstie line to the Hope Creek Fire Suppression Water System. Operating Instruction OI V-3.3.4 contains the procedure for cross-connection of the Salem and Hope Creek systems.

The flywheel on No. 2 Fire Pump was properly repaired, and the pump was satisfactorily tested. At 2158 hours, May 1, 1982, the pump was declared operable, and Action Statement 3.7.10.1.a was terminated.

FAILURE DATA:

Waukesha Foundry Co., Inc.  
Model H-1077-DSU Diesel Engine  
Flywheel Ring Gear P/N 230075

Prepared By R. Frahm

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General Manager  
Salem Operations

SORC Meeting No. 82-47