



Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

July 15, 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-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 81-60/99X0

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.2.f, we are submitting Special Licensee Event Report for Reportable Occurrence 81-60/99X0. This report is required within thirty-seven (37) days of the occurrence.

Sincerely yours,

R. A. Uderitz
R. A. Uderitz
General Manager -
Nuclear Production

CC: Director, Office of Inspection
and Enforcement (30 copies)
Director, Office of Management
Information and Program Control
(3 copies)



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The Energy People

Report Number: 81-60/99X0

Report Date: July 15, 1981

Occurrence Date: 6-12-81

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

IDENTIFICATION OF OCCURRENCE:

Fire Suppression Water System - No. 2 Diesel Fire Suppression Pump Inoperable. This report was initiated by Incident Report 81-196.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 5 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

During surveillance test SP(0)4.7.10.1.1(b) the No. 2 diesel fire suppression pump failed to start in the automatic mode as header pressure was decreased below 135 psig. The loss of the fire pump prompted a valve line-up to assure a readily available supply of water from the Hope Creek site. The Hope Creek fire protection header supply tie valve was open, and the Salem fire protection header supply tie isolation valve, 1FP-30, was closed. All operating personnel were made aware of this line-up, and that to receive fire water from Hope Creek valve 1FP-30 would have to be opened. This occurrence apparently was caused by internal failure. The diesel was sent to the manufacturer for repair and overhaul. The pump is being overhauled on site as preventive maintenance while the diesel is out.

This occurrence is reportable in accordance with technical specification 6.9.2.f, special reports for Fire Suppression Systems.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Equipment failure. The No. 2 diesel fire suppression pump diesel failed, for unknown reasons, making the fire pump inoperable.

ANALYSIS OF OCCURRENCE:

Technical specification 3.7.10.1 requires that with one pump inoperable, restore the inoperable equipment to operable status within 7 days or, in lieu of any other report required by specification 6.9.1, prepare and submit a special report within the next 30 days.

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CORRECTIVE ACTION:

The diesel was sent to the manufacturer to be rebuilt and the pump is being overhauled on site as preventive maintenance. A supplemental report will be submitted when No. 2 diesel fire suppression pump is returned to service and the diesel manufacturer's report is available.

FAILURE DATA:

No 2 diesel fire suppression pump diesel.
Waukesha

Prepared By J. J. Foley

SORC Meeting No. 81-61

H. J. Midway
Manager - Salem Generating Station