



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

Salem Generating Station

October 27, 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 82-076/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1, Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 82-076/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RF:ks *707*

CC: Distribution

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PDR ADOCK 05000272
S PDR

The Energy People

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Report Number: 82-076/03L

Report Date: 10-27-82

Occurrence Date: 09-30-82

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

IDENTIFICATION OF OCCURRENCE:

No. 1 Diesel Fire Pump - Inoperable.

This report was initiated by Incident Report 82-324.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100% - Unit Load 1115 MWe.

DESCRIPTION OF OCCURRENCE:

At 1110 hours, September 30, 1982, during surveillance testing, an operator observed that No. 1 Diesel Fire Pump would not start in the automatic mode of operation. The pump was declared inoperable, and Technical Specification Action Statement 3.7.10.1a was entered. No. 2 Fire Pump was operable throughout the occurrence.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Investigation of the problem revealed that the Fire Suppression System Header Low pressure switch had stuck. The switch automatically starts the pump when header pressure drops below 95 PSIG. The switch was freed and exercised several times, and the pump was satisfactorily tested; no other abnormalities were noted. No previous failures of this type have occurred, and the event was attributed to an isolated malfunction of the pressure switch.

ANALYSIS OF OCCURRENCE:

The operability of the fire suppression systems ensures that adequate fire suppression capability is available to confine and extinguish fires occurring in any portion of the facility where safety related equipment is located. Due to redundancy in the fire suppression system, one pump being inoperable does not result in any loss of protection. As noted, No. 2 Fire Pump was operable and capable of meeting system requirements in the event of a fire. Therefore, this occurrence involved no risk to the health and safety of the general public.

ANALYSIS OF OCCURRENCE: (continued)

The event constituted operation in a degraded mode permitted by a limiting condition for operation, and is reportable in accordance with Technical Specification 6.9.1.9.b.

Action Statement 3.7.10.1a requires:

With one pump and or water supply 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 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

As noted, the pressure switch was exercised and no further problems were noted. No. 1 Diesel Fire Pump was declared operable at 1450 hours, September 30, 1982, and Action Statement 3.7.10.1a was terminated. In view of the nature of the occurrence, no further action was deemed necessary.

FAILURE DATA:

Not Applicable.

Prepared By R. Frahm

H. J. Pichman
General Manager -
Salem Operations

SORC Meeting No. 82-96