



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

Salem Generating Station

August 18, 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 82-053/03L

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 82-053/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RF:ks

CC: Distribution

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PDR ADOCK 05000272
S PDR

Report Number: 82-053/03L
Report Date: 08-18-82
Occurrence Date: 07-31-82
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 1C Diesel Generator - Inoperable.

This report was initiated by Incident Report 82-205.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 99% - Unit Load 1050.

DESCRIPTION OF OCCURRENCE:

At 0112 hours, July 31, 1982, during routine surveillance, an operator discovered a service water leak from a flexible hose on the jacket cooling water system of No. 1C Diesel Generator. The diesel was declared inoperable, and Technical Specification Action Statement 3.8.1.1.a was entered, retro-active to the time of discovery of the problem. Tags were immediately placed to prevent operation and possible damage of the diesel generator. Nos. 1A and 1B Diesel Generators and both offsite transmission circuits were operable throughout the occurrence.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The failure of the hose was due to deterioration of the rubber wall material. The hose was originally installed with the diesel; this is the first instance of such a failure. No other factors contributing to the failure were noted, and it was assumed that the natural end of the component life was involved.

ANALYSIS OF OCCURRENCE:

The operability of the A.C. and D.C. power sources and associated distribution systems during operation ensures that sufficient power will be available to supply the safety related equipment for safe shutdown and mitigation of accident conditions of the facility. The requirements are consistent with the initial condition assumptions of the accident analyses, and are based on maintaining a single supply with an assumed loss of offsite power and single failure of the other A.C. source. As noted, the redundant diesel generators were operable, and therefore no risk to the health or safety of the public was involved.

ANALYSIS OF OCCURRENCE: (continued)

The occurrence 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 3.8.1.1.a requires:

With either an offsite circuit or diesel generator inoperable, demonstrate the operability of the remaining A.C. sources by meeting Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.2 within one hour and at least once per 8 hours thereafter; restore at least two offsite circuits and three diesel generators to operable status within 72 hours or be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

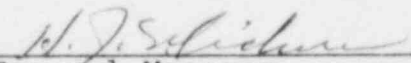
CORRECTIVE ACTION:

The required surveillances were satisfactorily performed within one hour and every 8 hours thereafter, in compliance with the action statement. The failed flexible hose was replaced, and Surveillance Procedure SP(O)4.8.1.1.2.a satisfactorily completed. At 0130 hours, August 1, 1982, No. 1C Diesel Generator was declared operable, and Action Statement 3.8.1.1.a was terminated. The diesel manufacturer was contacted with respect to the problem and a new type of hose was recommended; the new type will be installed during periodic maintenance scheduled for the next refueling outage.

FAILURE DATA:

Alco Engine Inc.
Diesel Engine
9X10- $\frac{1}{2}$ Model 18-251
Jacket Water Flexible Hose

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 82-77