



PSEG

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

Salem Generating Station

August 3, 1987

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

SALEM GENERATING STATION
LICENSE NO. DPR-75
DOCKET NO. 50-311
UNIT NO. 2
SPECIAL REPORT 87-1

This Special Report describes a valid test failure of No. 2C Diesel Generator on July 6, 1987. This report is being submitted pursuant to the requirements of Technical Specification Surveillance 4.8.1.1.4.

Sincerely yours,

J. M. Zupko, Jr.
General Manager-
Salem Operations

MJP:pc

Distribution

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The Energy People

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PLANT IDENTIFICATION:

Salem Generating Station - Unit 2
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

2C Diesel Generator - Failure to Achieve Rated Output

Event Date(s): 7/06/87

Report Date: 8/03/87

This report was initiated by Incident Report No. 87-267

CONDITIONS PRIOR TO OCCURRENCE:

Mode 4 - Reactor Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

This special report describes a valid test failure involving 2C Diesel Generator occurring on July 06, 1987. This report is submitted for informational purposes in accordance with Technical Specification Surveillance Requirement 4.8.1.1.4 and contains the information required by Regulatory Guide 1.108, Revision 1, August 1977, Regulatory Position C.3.b.

Surveillance Requirement 4.8.1.1.4 states:

All diesel generator failures, valid or non-valid, shall be reported to the Commission pursuant to Specification 6.9.1.

On July 06, 1987, a required surveillance test of 2C Diesel Generator was performed in accordance with Surveillance Procedure SP(O) 4.8.1.1.2., "Electrical Power Systems - Emergency Diesels". The D/G did not come up to the Technical Specification Surveillance 4.8.1.1.2.a.3 capacity of 2600 KW and was therefore declared inoperable and Technical Specification 3.8.1.1.b Action Statement "a" was entered.

APPARENT CAUSE OF OCCURRENCE:

The root cause of this D/G valid test failure was an equipment failure. Troubleshooting revealed the Woodward Governor Assembly would not allow the operator to increase the D/G load to 2600 KWe. The "Speed Setting Adjustment Control Knob" would drift due to D/G vibration.

ANALYSIS OF OCCURRENCE:

The failure of the governor assembly to allow full operation of the D/G constitutes a valid test failure as described in Regulatory Guide 1.108. This was the third D/G failure in the last 100 starts for all three (3) D/G's. With one diesel inoperable, the remaining diesels


ANALYSIS OF OCCURRENCE: (cont'd)

are capable of providing power to the minimum safeguards equipment required for analyzed accident and transient conditions. Therefore, this event did not impact the health and safety of the general public.

CORRECTIVE ACTION:

The defective governor assembly was replaced. Also, the surveillance test interval was increased to every two (2) weeks in compliance with Regulatory Position C.2.d of Regulatory Guide 1.1.0.8.

The vendor was contacted to discuss the circumstances surrounding the failure of the governor assembly. The vendor indicated this type of failure was extremely rare. Therefore, this D/G test failure is considered an isolated occurrence. No further corrective action is deemed necessary.


General Manager -
Salem Operations

MJP:pc

SORC Mtg. 87-055