



Public Service Electric and Gas Company P.O. Box 168 Hancocks Bridge, New Jersey 08038

Salem Generating Station

November 18, 1981

Mr. R. C. Haynes  
Director of USNRC  
Office of Inspection and Enforcement  
Region 1  
631 Park Avenue  
King of Prussia, Pennsylvania 19406



Dear Mr. Haynes:

LICENSE NO. DPR-70  
DOCKET NO. 50-272  
REPORTABLE OCCURRENCE 81-100/03L

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 81-100/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations

CC: Distribution

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The Energy People

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Report Number: 81-100/03L  
Report Date: 11-18-81  
Occurrence Date: 10-19-81  
Facility: Salem Generating Station, Unit 1  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Intermediate Range Nuclear Instrumentation - Channel 1 -  
Inoperable.  
This report was initiated by Incident Report 81-414.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

On October 19, 1981, while preparing for a startup, with the trip breakers closed, the neutron level and startup rate meters for the Intermediate Range Nuclear Instrumentation, Channel 1, were observed spiking from 0 to full scale. At 1100 hours the channel was declared inoperable and Action Statement 3.3.1.1 Action 3a was entered.

This occurrence constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of the spiking was a failed high-voltage power supply.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.3.1.1 Action 3a requires:

With the number of channels operable one less than required by the minimum channels operable requirement and with the thermal power level below P-6, restore the inoperable channel to operable status prior to increasing thermal power above the P-6 setpoint.

CORRECTIVE ACTION:

All cables and connectors were tested satisfactorily.  
At 1153 hours, October 19, 1981, the trip breakers were  
opened, and Action Statement 3.3.1.1 Action 3a was  
terminated. Subsequently, the high-voltage power supply  
was replaced, properly calibrated, and tested satisfactorily.

FAILURE DATA:

Power Designs, Inc.  
High-Voltage Power Supply  
Model UPMD-X54W

Prepared By F. Dickey

SORC Meeting No. 81-119B

*119 M. Duran*

General Manager -  
Salem Operations