

PSEG

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

March 20, 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 81-19/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1, we are submitting Licensee Event Report for Reportable Occurrence 81-19/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,


R. A. Uderitz
General Manager -
Nuclear Production

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and Enforcement (30 copies)
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Report Number: 81-19/03L
Report Date: March 20, 1981
Occurrence Date: 2/21/81
Facility: Salem Generating Station - Units 1 and 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Loss of Audible Fire Detection Signals

CONDITIONS PRIOR TO OCCURRENCE:

Unit 1 - Mode 1 - Rx Power 100% - Unit Load 1120 MW
Unit 2 - Mode 5 - Rx Power 0% - Unit Load 0 MW

DESCRIPTION OF OCCURRENCE:

During normal operations on February 21, 1981, Operations personnel observed a fire alarm annunciation on Panel LRP5 for the Waste Gas Compressor but heard no audible alarm. Investigation revealed that welding was being performed in the area. A test was performed on another fire alarm circuit and the audible signal was barely heard. Action Statement 3.3.3.6 was entered at 1445 hours. Operators were stationed at the fire alarm panels in both Units 1 and 2 Control Rooms to continually monitor the panels for alarms. This occurrence constituted operation in a degraded mode IAW Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Impedance Mismatch

ANALYSIS OF OCCURRENCE:

In a similar occurrence on January 15, 1981 (LER 81-06/03L), an impedance mismatch was created between the station phone system, the station page system and the tone generator when additional page extension phones and rotating fire alarm beacons were added to the tone generators electrical load.

This event occurred even though no new loads were added to the system.

March 20, 1981


CORRECTIVE ACTION:

The Box-Anox amplifier in the tone generator unit was adjusted to obtain the correct impedance matching between the tone generator and the remainder of the system. An engineering review of the system has been requested and the results will be submitted in a supplemental report.

FAILURE DATA:

Not Applicable

Prepared By W. J. SteeleSORC Meeting No. 81-19



Manager - Salem Generating Station