



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

LER

July 22, 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-75
DOCKET NO. 50-311
REPORTABLE OCCURRENCE 81-46/03L

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 81-46/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

R. A. Uderitz
R. A. Uderitz
General Manager -
Nuclear Production

CC: Director, Office of Inspection
and Enforcement (30 copies)
Director, Office of Management
Information and Program Control
(3 copies)

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Report Number: 81-46/03L

Report Date: July 22, 1981

Occurrence Date: 6-22-81

Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Individual Rod Position Indication - 1B4 - Inoperable.
This report was initiated by Incident Report 81-203.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 2 - Rx Power 0% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

During startup on June 22, 1981, the control operator noticed that the individual rod position indicator and control rod bank demand indicator for rod 1B4 were in disagreement by greater than + 12 steps. The individual rod position indicator was declared Inoperable at 1640 hours and action statement 3.1.3.2.1 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:

Equipment failure. The individual rod position indicator for control rod 1B4 was not in agreement with the control rod bank demand position due to drift on the calibration of the signal conditioning module.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.1.3.2.1 requires that in modes 1 and 2 with a maximum of one rod position indicator per bank inoperable either:

1. Determine the position of the non-indicating rod(s) indirectly by the movable incore detectors at least once per 8 hours and immediately after any motion of the non-indicating rod which exceeds 24 steps in one direction since the last determination of the rod's position, or
2. Reduce thermal power to less than 50% of rated thermal power within 8 hours.

July 22, 1981

CORRECTIVE ACTION:

The signal conditioning module for control rod 1B4 was recalibrated and returned to service. Action statement 3.1.3.2.1 was terminated at 1933 hours, June 22, 1981.

FAILURE DATA:

Magnetics, Inc.
Signal Conditioning Module
Type E2786

Prepared By F. Dickey

SORC Meeting No. 81-64

H.J. Midway
Manager - Salem Generating Station