



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

Salem Generating Station

August 24, 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 81-78/03L

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 81-78/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
Manager -
Salem Generating Station

CC: R. A. Uderitz
General Manager - Nuclear Production
Director, Office of Inspection
and Enforcement (30 copies)
Director, Office of Management
Information and Program Control
(3 copies)

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Report Number: 81-79/03L
Report Date: 8-24-81
Occurrence Date: 7-27-81
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Individual Rod Position Indication - 2C1 - Inoperable.
This report was initiated by Incident Report 81-294.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 48% - Unit Load 460 MWe

DESCRIPTION OF OCCURRENCE:

On July 27, 1981, the control operator noticed that the individual rod position indicator and control rod bank demand indicator for rod 2C1 were in disagreement by greater than + 12 steps. The individual rod position indicator was declared inoperable at 1700 hours and action statement 3.1.3.2.1.a 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 (IRPI) for control rod 2C1 was not in agreement with the control rod bank demand position due to drift in the calibration of the IRPI.

ANALYSIS OF OCCURRENCE:

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

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.

CORRECTIVE ACTION:

The IRPI for control rod 2C1 was recalibrated satisfactorily and returned to service. Action statement 3.1.3.2.1.a was terminated at 2018 hours, July 27, 1981.

FAILURE DATA:

Bailey Instrument Co., Inc.
Bailey Edgewise Indicator
Model RY2

Prepared By F. Dickey

SORC Meeting No. 81-81

H. J. Refidura
Manager - Salem Generating Station