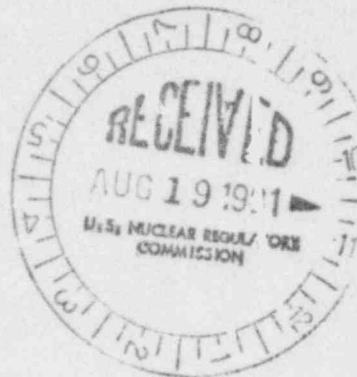




Public Service Electric and Gas Company 80 Park Plaza Newark, N.J. 07101 Phone 201/430-7000

August 12, 1981

Mr. Boyce H. Grier
Director of USNRC
Office of Inspection and Enforcement
Region I
331 Park Avenue
King of Prussia, Pennsylvania 19406




Dear Mr. Grier:

LICENSE NO DPR-75
DOCKET NO. 50-311
REPORTABLE OCCURRENCE 81-61/03L

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 81-61/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,


R. A. Jderitz
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: 81-61/03L
Report Date: August 12, 1981
Occurrence Date: 7-13-81
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Individual Rod Position Indicators - LSB2 and 2SB2 - Inoperable.
This report was initiated by Incident Reports 81-246 and 81-247.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 2 - Rx Power 3% - Unit Load 0 MWe

DESCRIPTION OF OCCURRENCE:

At 0855 and 1042 hours, respectively, on July 13, 1981, the control operator noticed that the individual rod position indicators for rods LSB2 and 2SB2 were in disagreement with the shutdown rod bank demand indicators by greater than + 12 steps. The individual rod position indicators were declared inoperable at said 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 indicators for rods LSB2 and 2SB2 were not in agreement with the shutdown rod bank demand indicators due to failure of the operational amplifiers on the amplifier boards in the indicators.

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.

CORRECTIVE ACTION:

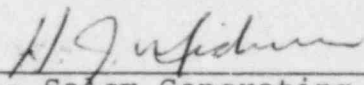
In the position indicator for rod 1SE2, the amplifier board was replaced. In the position indicator for rod 2SB2, the operational amplifier on the amplifier board was replaced. The position indicators for rods 1SB2 and 2SB2 were recalibrated, tested satisfactorily, and returned to service. Action statement 3.1.3.2.1.a was terminated at 1040 and 1243 hours, respectively, on July 13, 1981.

FAILURE DATA:

Bailey Instrument Co., Inc.
Bailey Edgewise Indicator
Model R42
Amplifier Board #6627353-2
and
Operational Amplifier LM-307H

Prepared By F. Dickey

SORC Meeting No. 81-74



Manager - Salem Generating Station