



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

Salem Generating Station

August 26, 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 81-80/03L

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.2.b, we are submitting Licensee Event Report for Reportable Occurrence 81-80/03L. 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: 81-80/03L  
Report Date: 8-26-81  
Occurrence Date: 8-7-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Individual Rod Position Indication - 2D2 - Inoperable.  
This report was initiated by Incident Report 81-308

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 75% - Unit Load 750 MWe

DESCRIPTION OF OCCURRENCE:

On August 7, 1981, the control operator noticed that the individual rod position indicator and control rod bank demand indicator for rod 2D2 were in disagreement by greater than + 12 steps. The individual rod position indicator was declared inoperable at 0830 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 (IRPI) for control rod 2D2 was not in agreement with the control rod bank demand position due to drift in 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.

CORRECTIVE ACTION:

The signal conditioning module for control rod 2D2 was recalibrated satisfactorily and returned to service. Action statement 3.1.3.2.1 was terminated at 1615 hours, August 7, 1981.

FAILURE DATA:

Magnetics, Inc.  
Signal Conditioning Module  
Type E27#6

Prepared By F. Dickey

SORC Meeting No. 81-82

H. J. Williams  
Manager - Salem Generating Station