



REGULATORY DOCKET FILE COPY

Public Service Electric and Gas Company 80 Park Place Newark, N.J. 07101 Phone 201/622-7000

April 6, 1978

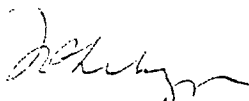
Mr. Boyce H. Grier
Director of USNRC
Office of Inspections and Enforcements
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 78-18/03L

Pursuant to the requirements of Salem Generating Station Unit No. 1 Technical Specifications, Section 6.9.1.9.b, we are submitting Licensee Event Report for Reportable Occurrence 78-18/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,


F. P. Librizzi
General Manager -
Electric Production

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

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The Energy People

Report Number: 78-18/03L
Report Date: 4/6/78
Occurrence Date: 3/10/78
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Power Range High Flux Trip point Greater than allowed by Technical Specification 3.3.1.1.

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 1 - Reactor Power: 100%

DESCRIPTION OF OCCURRENCE:

At 0830 hours, during the performance of the channel functional test on Power Range Channel N43, the trip setpoint was found to be 110.4%. This value being 1.4% greater than allowed by Technical Specifications required the implementation of Action Statement 2 for LCO 3.3.1.1. At 0840 hours, channel N43 was placed in the tripped condition. The detailed calibration procedure was performed and the setpoint reset and verified to be 109%. At 1430 hours, channel N43 was declared operable and Action Statement 2 for LCO 3.3.1.1 was terminated.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this occurrence was setpoint drift. This is the first occurrence of setpoint drift on Power Range Nuclear Instrumentation.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.3.1.1, Action Statement 2 states that with the number of operable channels one less than the total number of channels, startup and/or power operation may proceed provided the following conditions are satisfied:

- a. The inoperable channel is placed in the tripped condition within 1 hour.
- b. The minimum channels operable requirement is met.
- c. Either thermal power is restricted to $< 75\%$ of rated thermal and the power range, neutron flux trip setpoint is reduced to $< 85\%$ of rated thermal power within 4 hours; or, the Quadrant Power Tilt Ratio is monitored at least once per 12 hours.

Power Range Channel N43 was placed in the tripped condition within one hour and remained in that condition until it was returned to operable status. All three (3) remaining power range channels were operable throughout this event. Channel N43 was returned to operable status within 12 hours, therefore, monitoring of QPT ratio was not required.

CORRECTIVE ACTION:

The Power Range Channel calibration was performed and channel N43 was reset to 109%. The functional test was then completed.

FAILURE DATA:

N/A

Prepared by T. L. Spencer

SORC Meeting No. 17-78



Manager - Salem Generating Station

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | NJSGS1 | 200-00000-00 | 341111 | 41111 | 5

CON'T

01 | L605000272 | 7031078 | 8040678 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | During Functional Test on PWR Range Channel N43, trip setpoint found
03 | 1.4 percent greater than allowable. Action 2 for LCO 3.3.1.1 imple-
04 | mented. Channel recalibrated to 109 percent trippoint. Action State-
05 | ment terminated. First occurrence of PWR Range Setpoint Drift.
06 |
07 |
08 |

09 | IA11 | X12 | Z13 | INSTRU14 | P15 | Z16
17 | 78 | 018 | 03 | L | 0
E18 | Z19 | Z20 | Z21 | 0000 | Y23 | N24 | N25 | W12026

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | The cause of this event was instrument drift which resulted in the trip
11 | point exceeding the Tech Spec value. Channel recalibrated and returned
12 | to operable status.
13 |
14 |

15 | E28 | 10029 | N/A30 | B31 | During Functional Test32
16 | Z33 | Z34 | N/A35 | N/A36
17 | 00037 | Z38 | N/A39
18 | 00040 | N/A41
19 | Z42 | N/A43
20 | N44 | N/A45

NAME OF PREPARER T. L. Spencer

PHONE: (609) 365-7000 Salem Ext.