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

August 2, 1978

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REGISTRATION
SERVICES UNIT
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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 78-38/03L

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 78-38/03L. 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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5/11

Report Number: 70-38/03L
Report Date: 8/2/78
Occurrence Date: 7/12/78
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 11 Steam Generator Steam Flow Channel II Inoperable

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 1, Reactor Power 100%

DESCRIPTION OF OCCURRENCE:

At 1045 hours, No. 11 Steam Generator Steam Flow Channel II failed low. Steam Generator level control was placed in manual. Technical Specification Action Statement No. 7 for LCO 3.3.1.1 was implemented and the channel placed in the tripped condition. Instrumentation personnel were notified and after investigation, found a faulty Elco pin connector on the square root module. Pin connector was repaired and channel returned to operable status at 0830 on 7/14/78.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The cause of this occurrence was component failure. Faulty connection on an Elco pin connector to a Hagan Square Root Module caused the channel to fail low.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.3.1.1, Action Statement No. 7, states that with the number of operable channels one less than the total number of channels, startup and/or power operation may proceed until the performance of the next required channel functional test provided the inoperable channel is placed in the tripped condition within one hour. No. 11 Steam Generator Steam Flow Channel II was placed in the tripped condition within the 1 hour allowed and remained in that condition until it was returned to operable status.

CORRECTIVE ACTION:

Elco pin connections on the Hagan Square Root Module were cleaned, straightened and tightened. Channel calibration check performed. Function test confirmed operability.

FAILURE DATA:

N/A

Prepared by T. L. Spencer

SORC Meeting No. 47-78

H. J. Williams
Manager - Salem Generating Station

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 N J S G S 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 30 57 CAT 58

CON'T

01 REPORT SOURCE L 6 0 5 0 0 0 2 7 2 7 0 7 1 2 7 8 8 0 8 0 2 7 8 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operation, No. 11 S/G Steam Flow Channel 2 failed low.
03 S/G level control shifted to Channel 1. Channel 2 placed in tripped
04 condition. T.S. Action 7 for LCO 3.3.1.1 implemented. Channel returned
05 to service following repair on 7/14/78. This is the fourth occurrence
06 of this type.
07
08

09 I B 11 E 12 E 13 I N S T R U 14 Y 15 Z 16
7 8 9 10 11 12 13 18 19 20
17 LER/RO REPORT NUMBER 7 8 21 22 23 24 26 27 28 29 30 31 32
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER
B 18 Z 19 Z 20 Z 21 0 0 0 0 0 Y 23 N 24 N 25 W 1 2 0 26
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The cause of this occurrence was faulty pin connections on the Elco
11 Module connector. Pin connector was repaired and the channel calibra-
12 tion check performed. Completion of functional test confirmed
13 operability.
14

15 E 28 1 0 0 29 N/A 30 A 31 Operator Observation 32
7 8 9 10 12 13 44 45 46 80
16 Z 33 Z 34 N/A 35 LOCATION OF RELEASE 36 N/A
7 8 9 10 11 44 45 80
17 0 0 0 37 Z 38 N/A 39
7 8 9 11 12 13 80
18 0 0 0 40 N/A 41
7 8 9 11 12 80
19 Z 42 N/A 43
7 8 9 10 80
20 Z 44 N/A 45
7 8 9 10 80

NAME OF PREPARER T. L. Spencer

PHONE: (609) 365-7000 Salem Ext.