



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

August 20, 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 81-69/03L

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 81-69/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

*R. A. Uderitz*  
R. A. Uderitz  
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: 81-69/03L  
Report Date: August 20, 1981  
Occurrence Date: 7-21-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Reactor Trip Instrumentation - Engineered Safety Feature Actuation System  
No. 24 Steam Generator Steam Flow Channel 1 - Inoperable.  
This report was initiated by Incident Report 81-267.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 48% - Unit Load 440 MWe

DESCRIPTION OF OCCURRENCE:

On July 21, 1981, during a routine channel check, the operator noticed that No. 24 steam generator steam flow channel 1 was reading 20% higher than the other channel. The channel was declared inoperable and the channel bistable was placed in the tripped condition within one hour. Limiting condition for operation (L.C.O) 3.3.1, table 3.3.1, action 7 and L.C.O 3.3.2, table 3.3-3, action 14 were entered at 1020 hours on July 21, 1981.

This occurrence constituted operation in a degraded mode in accordance with technical specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Multiplier 2FM-542B was found to be high from its low end setpoint causing the erroneous readings.

ANALYSIS OF OCCURRENCE:

L.C.O. 3.3.1, table 3.3.1, action 7 and L.C.O 3.3.2, table 3.3-3, action 14 both state that:

With the number of operable channels one less than the total number of channels, power operation may proceed until performance of the next required channel functional test provided the inoperable channel is placed in the tripped condition within 1 hour.

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CORRECTIVE ACTION:

Multiplier 2FM-542B was adjusted to its correct reading value. The channel was restored to operable status and was reading correctly. L.C.C. 3.3.1, table 3.3-1, action 7 and 3.3.2, table 3.3-3, action 14 were terminated at 1700 hours on July 21, 1981.

FAILURE DATA:

Hagan Multiplier/Divider  
Part No. 4111511-601

Prepared By J. Varga

SORC Meeting No. 81-78

N. J. W. [Signature]  
Manager - Salem Generating Station