



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

Salem Generating Station

October 14, 1982

Mr. R. C. Haynes
Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Haynes:

LICENSE NO. DPR-70
DOCKET NO. 50-272
REPORTABLE OCCURRENCE 82-075/03L

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 82-075/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RF:ks *752*

CC: Distribution

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PDR ADDCK 05000272
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The Energy People

IEU

Report Number: 82-075/03L
Report Date: 10-14-82
Occurrence Date: 09-27-82
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Pressurizer Level Channel III Instrument - Inoperable.

This report was initiated by Incident Report 82-308.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100% - Unit Load 1100 MWe.

DESCRIPTION OF OCCURRENCE:

At 0720 hours, September 27, 1982, during routine operation, the Control Room Operator discovered that Pressurizer Level Channel III indication was reading 6% higher than the other channels. Channel III was declared inoperable and Technical Specification Limiting Condition for Operation 3.3.1.1 Action 7 was entered. At 0729 hours, the channel bistable was placed in the tripped condition. The Pressurizer High Pressure trip function was operable providing primary protection against increasing pressure transients.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Pressurizer Level Channel III level transmitter had failed previously on August 12, 1982 (see LER 82-063/03L). The failure was assumed to be of an isolated nature. Due to the similarity of the events, however, an investigation into the failures is presently being conducted.

ANALYSIS OF OCCURRENCE:

The pressurizer level instrumentation is utilized in the Reactor Trip System to insure the reactor is shutdown during a design step load decrease. The trip function provides backup to the High Pressurizer Pressure trip; operability of the trip is required to provide the diversity assumed available for the mitigation of accident conditions analyzed in the FSAR.

ANALYSIS OF OCCURRENCE: (continued)

Since the redundant channels and primary trip were operable, no risk to the health or safety of the public was involved. The occurrence constituted operation in a degraded mode permitted by a limiting condition for operation and is reportable in accordance with Technical Specification 6.9.1.9.b.

Limiting Condition for Operation 3.3.1.1 Action 7 requires:

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 one hour.

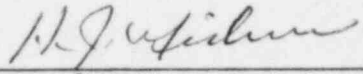
CORRECTIVE ACTION:

As noted, the channel was placed in the tripped condition in compliance with the action statement. A reactor trip had occurred while restoring Pressurizer Level Channel III to service after the first transmitter failure. To prevent a trip in the final days of the current fuel cycle, the repair of the channel was delayed until the refueling outage. License Change Request 82-22 was submitted for a one time deferral of the channel functional test to maintain compliance with Limiting Condition for Operation Action 7. A Supplemental Report will be submitted upon completion of investigation and repair of the problem.

FAILURE DATA:

Rosemount Inc.
Differential Pressure Transmitter
Model 1153

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 82-91