PSE&G

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

Salem Generating Station

July 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-75
DOCKET NO. 50-311
REPORTABLE OCCURRENCE 82-054/03L

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 82-054/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RF:ks

CC: Distribution

IE22

Report Number: 82-054/03L

Report Date: 07-14-82

Occurrence Date: 06-23-82

Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 21 Steam Generator Steam Pressure Channel II - Inoperable.

This report was initiated by Incident Report 82-160.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 100% - Unit Load 1130 MWe.

DESCRIPTION OF OCCURRENCE:

At 0245 hours, June 23, 1982, during a routine channel check, the Control Room Operator observed that No. 21 Steam Generator Steam Pressure Channel II was reading 60 PSIG less than the redundant channels. Based on a qualitative evaluation of actual pressure, the operator determined that Channel II was reading low. The channel was declared inoperable, and at 0300 hours, Technical Specification Limiting Condition for Operation 3.3.2 Action 14 was entered. The redundant steam pressure channels were operable, and the bistables associated with Channel II were immediately placed in the tripped condition.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The low Channel II steam pressure indication was due to a failed pressure transmitter. Attempts to calibrate the transmitter were unsuccessful; no recurrent failures of this type of transmitter have been noted.

ANALYSIS OF OCCURRENCE:

The steam pressure instruments provide a signal to the Engineered Safety Feature Actuation system to initiate a turbine trip, safety injection and feedwater isolation in the event of a steam leak. These functions are necessary to insure that reactor thermal limits are not exceeded. Due to operable redundant channels, however, no risk to the health or safety of the public was involved. As such, the event 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.

ANALYSIS OF OCCURRENCE: (continued)

Limiting Condition for Operation 3.3.2 Action 14 requires:

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

CORRECTIVE ACTION:

The bistables associated with the channel had been tripped, in compliance with the action statement. As noted, attempts to calibrate the transmitter had failed; consequently, a new transmitter was installed and calibrated. The channel check was satisfactorily performed, No. 21 Steam Generator Steam Pressure Channel II was declared operable, and at 1700 hours, June 23, 1982, Limiting Condition for Operation 3.3.2 Action 14 was terminated. No further action was deemed necessary in view of the isolated nature of the failure.

FAILURE DATA:

Rosemount, Inc.
Pressure Transmitter
Model 1153GA9

Prepared By R. Frahm

H. J. Midura
General Manager -
Salem Operations

SORC Meeting No. 82-68