



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

Salem Generating Station

August 18, 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 82-052/03L

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 82-052/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

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CC: Distribution

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The Energy People

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Report Number: 82-052/03L
Report Date: 08-18-82
Occurrence Date: 07-29-82
Facility: Salem Generating Station, Unit 1
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Reactor Coolant System Subcooling Margin Monitor - Inoperable.

This report was initiated by Incident Report 82-202.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 82% - Unit Load 230 MWe.

DESCRIPTION OF OCCURRENCE:

At 0409 hours, July 29, 1982, during routine operation, the Control Room Operator noticed that the Reactor Coolant System (RCS) subcooling margin recorder indication had failed to the low end of its scale. Attempts to bootstrap the process computer failed to correct the problem, and the subcooling margin monitor was declared inoperable. Limiting Condition for Operation 3.3.3.7 Action 5 was entered, retro-active to the time of discovery of the failure. Wide range RCS pressure and outlet temperature indications were operable, and steam tables were available in the control room throughout the occurrence. The computer points for delta Psat and delta Tsat were manually added to the computer trend printout.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The points for the subcooling monitor had been removed from the process computer when it had been flushed for maintenance earlier that day; restoration of the points was overlooked following completion of the maintenance. No previous occurrences of this type have been noted, and the problem was assumed to be an isolated one.

ANALYSIS OF OCCURRENCE:

The operability of accident monitoring instrumentation ensures that, during and following an accident, important plant parameters can be monitored. Due to the availability of redundant monitoring capabilities, no risk to the health and 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.

ANALYSIS OF OCCURRENCE: (continued)

Limiting Condition for Operation 3.3.3.7 Action 5 requires:

With the number of operable RCS subcooling margin monitor channels less than the required number, operation may proceed provided that steam tables are available in the Control Room and an RCS wide range pressure and outlet temperature channel each are operable to provide an alternate means of calculating RCS subcooling margin.

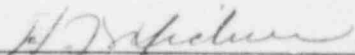
CORRECTIVE ACTION:

As noted, wide range RCS pressure and temperature indication were operable and steam tables were available, in compliance with the action statement. The missing data points were restored to the process computer and the subcooling margin monitor returned to operation. The monitor was declared operable at 0845 hours, July 29, 1982, and Limiting Condition for Operation 3.3.3.7 Action 5 was terminated. Personnel involved in the incident were counseled concerning the importance of reprogramming the computer following the flushing operation; a sign was placed on the computer cubicle door reminding personnel of the need for complete reprogramming.

FAILURE DATA:

Not Applicable.

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 82-77