PSE&G

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

Salem Generating Station

October 20, 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 82-027/03X-1
SUPPLEMENTAL REPORT

Pursuant to the requirements of Salem Generating Station Unit No. 2 Technical Specifications, Section 6.9.1.9.b, we are submitting supplemental Licensee Event Report for Reportable Occurrence 82-027/03X-1.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RH:ks

CC: Distribution

Report Number: 82-027/03X-1

Report Date: 10-20-82

Occurrence Date: 04-18-82

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

IDENTIFICATION OF OCCURRENCE:

Missed Surveillance - Reactor Coolant System Water Inventory.

This report was initiated by Incident Report 82-090.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 74% - Unit Load 850 MWe

DESCRIPTION OF OCCURRENCE:

On April 18, 1982, during routine power escalation, the Control Room Operator informed the Shift Supervisor that the Reactor Coolant System (RCS) Water Inventory SP(O)4.4.7.2.d had not been performed within the time interval of 72 hours plus 25% required by the Technical Specifications. Steady state conditions, which are required for satisfactory performance of the surveillance procedure, could not be obtained due to changes in Xenon reactivity. The previous RCS water inventory had been performed at 1903 hours, April 14, 1982. At 1303 hours, April 18, 1982, the surveillance interval including the 25% allowance elapsed, and Action Statement 3.4.7.2.a was entered.

This occurrence constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Surveillance Requirement 4.4.7.2.d does not make allowance for routine transients which preclude performance of the surveillance.

ANALYSIS OF OCCURRENCE:

Surveillance Requirement 4.4.7.2.d requires:

> Perform an RCS water inventory balance at least once per 72 hours, to demonstrate RCS leakage is within Technical Specification limits.

ANALYSIS OF OCCURRENCE Continued:

Action Statement 3.4.7.2.a requires:

1) With RCS leakage greater than Specification limits, excluding pressure boundary leakage and leakage from RCS Pressure Isolation Valves, reduce the leakage to within limits within 4 hours, or be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

2) With any pressure boundary leakage, be in at least hot standby within 6 hours and in cold shutdown within the following 30 hours.

3) With any RCS Pressure Isolation Valve leakage greater than the Specification limit, isolate the high pressure portion of the affected system from the low pressure portion within 4 hours by use of at least two closed manual or deactivated automatic valves, or be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

Surveillance of the containment sump pump and of the containment radioactivity monitors was increased, and RCS leakage was demonstrated to be within Specification limits. Operating conditions stabilized, and the RCS water inventory was immediately performed. It was completed at 0135 hours, April 20, 1982, and action Statement 3.4.7.2a was terminated; the measured leak rate was satisfactory.

License Change Request 82-14 was submitted to the NRC to eliminate the requirement for an RCS water inventory during non-steady state operation.

FAILURE DATA:

Not Applicable

Prepared By R. Heller

General Manager
Salem Operations

SORC Meeting No. 82-94B