



**PSEG**

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

Salem Generating Station

April 28, 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 82-020/03L

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 82-020/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations

RF:ks

CC: Distribution

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PDR ADDCK 05000272  
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The Energy People

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S1/1

Report Number: 82-020/03L  
Report Date: 04-28-82  
Occurrence Date: 04-05-82  
Facility: Salem Generating Station, Unit 1  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Auxiliary Feedwater Storage Tank - Low Level.

This report was initiated by Incident Report 82-069.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 3 - Rx Power 0% - Unit Load 0 MWe.

DESCRIPTION OF OCCURRENCE:

On April 5, 1982, during routine operation, the Control Room Operator discovered that the Auxiliary Feedwater Storage Tank (AFST) contained less than 200,000 gallons, the minimum volume required by the Technical Specifications. At 0620 hours, the AFST was declared inoperable, and Action Statement 3.7.1.3.a was entered.

Later that day, after the AFST had been restored to an operable status, the contained volume again decreased below the specification minimum. At 2100 hours, the AFST was declared inoperable, and Action Statement 3.7.1.3.a was entered for a second time.

These occurrences constituted operation in a degraded mode in accordance with Technical Specification 6.9.1.9.b.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

On both occasions, the AFST level decreased as a result of feeding the steam generators during normal steam dump operation. In the first instance, the operator inadvertently failed to initiate make-up to the AFST before increasing the steam generator levels. On the second occasion, Demineralized water Valve 1DR6 failed in the closed position, preventing make-up to the AFST. The valve control circuitry was not yet operational, and the manual handwheel failed, preventing operation of the valve.

ANALYSIS OF OCCURRENCE:

Technical Specification 3.7.1.3.a requires:

With the AFST inoperable, restore the tank to operable status within 4 hours or be in hot shutdown within the next 12 hours.

CORRECTIVE ACTION:

On the first occasion, the AFST was filled to obtain the specified minimum volume, and was declared operable. At 0737 hours, April 5, 1982, Action Statement 3.7.1.3.a was terminated. The calibration of AFST level indicators later showed that the tank volume was actually within Technical Specification limits. The operator involved was counseled by the Senior Shift Supervisor concerning Technical Specification 3.7.1.3.

In the second case, Valve 1DR6 was opened by bleeding air off the actuator. Demineralized water make-up was initiated, and the AFST volume was returned to specification. The AFST was declared operable at 2354 hours, May 5, 1982, and Action Statement 3.7.1.3.a was terminated.

The manual operator on Valve 1DR6 was properly repaired and satisfactorily tested. Due to past occurrences of a similar nature, the control valve and a second control room level indication with a low level alarm, have been installed to improve system remote operation. These changes were not fully operational at the time of the occurrences, however.

FAILURE DATA:

ITT-Grinnell Corp.  
Air-operated Diaphragm Valve  
Mark No. A-215

Prepared by R. Frahm

H. J. [Signature]  
Manager - Salem Generating Station

SORC Meeting No. 82-45