



**PSEG**

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

Salem Generating Station

November 3, 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 81-89/03X-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 81-89/03X-1.

Sincerely yours,

H. J. Midura  
General Manager -  
Salem Operations

RH:ks *JSJ*

CC: Distribution

8301040381 821103  
PDR ADDCK 05000311  
S PDR

The Energy People

*IE22*

Report Number: 81-89/03X-1  
Report Date: 11-03-82  
Occurrence Date: 8-17-81  
Facility: Salem Generating Station, Unit 2  
Public Service Electric & Gas Company  
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 23 Auxiliary Feedwater Pump - Inoperable.

This report was initiated by Incident Report 81-333.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 95% - Unit Load 1040 MWe

DESCRIPTION OF OCCURRENCE:

During a routine wear and alignment check on No. 23 Auxiliary Feedwater Pump, it was discovered that the linkage between the trip mechanism and the trip valve was loose. At 1017 hours, August 17, 1981, No. 23 Auxiliary Feedwater Pump was declared inoperable and Action Statement 3.7.1.2.a was entered.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The bolts in the trip linkage became loose through normal operational vibration.

ANALYSIS OF OCCURRENCE:

The operability of the auxiliary feedwater system ensures that the Reactor Coolant System can be cooled down to less than 350°F from normal operating conditions in the event of a total loss of offsite power.

Technical Specification 3.7.1.2.a requires:

With one auxiliary feedwater pump inoperable, restore the required auxiliary feedwater pumps to operable status within 72 hours or be in at least hot standby within the next 6 hours and in hot shutdown within the following 6 hours.

Inoperability of No. 23 Auxiliary Feedwater Pump, therefore, constitutes 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.

CORRECTIVE ACTION:

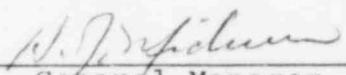
The loose bolts in the linkage between the trip mechanism and the trip valve were tightened. At 0515 hours, August 18, 1981, No. 23 Auxiliary Feedwater Pump was tested satisfactorily and returned to service, and Action Statement 3.7.1.2.1 was terminated.

Inspection Order Cards have been issued to prevent recurrence of the problem with the trip linkage and a similar problem with the governor linkage documented in LER 82-020/03L. These cards require an annual tightness and visual inspection of the linkages on both Nos. 13 and 23 Auxiliary Feedwater Pumps.

FAILURE DATA:

A similar occurrence was experienced on No. 23 Auxiliary Feedwater Pump and was documented in LER 82-020/03L. In this occurrence, vibration had caused the governor linkage to loosen.

Prepared By R. Heller

  
\_\_\_\_\_  
General Manager -  
Salem Operations

SORC Meeting No. 82-98B