



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

Salem Generating Station

September 16, 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 82-095/03L

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 82-095/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RH:ks *702*

CC: Distribution

8210010045 820916
PDR ADOCK 05000311
S PDR

The Energy People

IEW

Report Number: 82-095/03L
Report Date: 09-16-82
Occurrence Date: 08-31-82
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Auxiliary Feedwater System - No. 23 Auxiliary Feedwater Pump - Inoperable.

This report is initiated by Incident Report 82-241.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 82% - Unit Load 900 MWe.

DESCRIPTION OF OCCURRENCE:

On August 31, 1982, radiography surveillance revealed that the disc was not in place in Valve 21 MS46, a check valve in the steam line to No. 23 Auxiliary Feedwater Pump (AFP). No. 23 AFP was declared inoperable and Limiting Condition for Operation Action Statement 3.7.1.2a was entered at 1724 hours.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Investigation revealed that the stud which attaches the valve disc to the hanger had sheared off. An engineering evaluation is being performed to determine the mechanism of failure.

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. The Auxiliary Feedwater System in each unit is equipped with two parallel pumping systems for redundancy. It is designed such that should either pumping systems become inoperable the redundant system is fully capable of cooling down the unit. The redundant Auxiliary Feedwater System was operable throughout the occurrence. Therefore, this occurrence involved no risk to the health and safety of the general public.

ANALYSIS OF OCCURRENCE: (continued)

Action Statement 3.7.1.2a 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.

Therefore, inoperability of one Auxiliary Feedwater Pump 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.

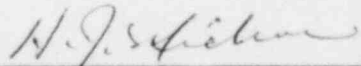
CORRECTIVE ACTION:

As noted, the stud which attached the valve disc to the hanger had sheared off. The valve hanger and disc assembly were replaced and the valve was tested satisfactorily. No. 23 Auxiliary Feedwater Pump was declared operable and Limiting Condition for Operation Action Statement 3.7.1.2a was terminated at 0045 hours, September 3, 1982. An engineering analysis is being conducted to determine the mechanism of failure.

FAILURE DATA:

Velan Valve Corporation
6" Swing Check Valve
Type B142114B2TS

Prepared By R. Heller



General Manager -
Salem Operations

SORC Meeting No. 82-84