



PSEG

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

Salem Generating Station

April 26, 1983

Mr. J. Allan
Acting Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Allan

LICENSE NO. DPR-75
DOCKET NO. 50-311
REPORTABLE OCCURRENCE 82-083/03X-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 82-083/03X-1.

Sincerely yours,

J. M. Zupko, Jr.
General Manager -
Salem Operations

RF:ks *JSZ*

CC: Distribution

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PDR ADOCK 05000311
S PDR

The Energy People

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Report Number: 82-083/03X-1
Report Date: 04-20-83
Occurrence Date: 08-12-82
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 25 Containment Fan Coil Unit - Inoperable.

This report was initiated by Incident Report 82-229.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 82% - Unit Load 910 MWe.

DESCRIPTION OF OCCURRENCE:

At 0230 hours, August 12, 1982, during performance of routine surveillance, the Control Room Operator received indication of low service water flow on No. 25 Containment Fan Coil Unit (CFCU). When the CFCU was put in the low speed mode, service water flow was only 1200 GPM instead of the required 2500 GPM. No. 25 CFCU was declared inoperable and a Limiting Condition for Operation Action Statement 3.6.2.3a was entered at 0230 hours. Both containment spray systems were operable throughout the occurrence.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The service water flow transmitter sensing lines were blown down and purged. Investigation revealed that all service water valves were open but a high differential pressure existed across the CFCU. Cycling the CFCU isolation and flow control valves by alternately starting and stopping the unit apparently increased the flow to normal. Based on these indications and past experience, the problem apparently involved oysters or silt restricting flow to the unit.

ANALYSIS OF OCCURRENCE:

The CFCU's operate in conjunction with the containment spray systems to remove heat and radioactive contamination from the containment atmosphere in the event of a design basis accident. Operability of either all fan coil groups or of both containment spray systems is necessary to insure offsite radiation dose is maintained within the limits of 10CFR100.

ANALYSIS OF OCCURRENCE: (continued)

Because redundant cooling capability was provided by the containment spray systems, no risk to the health or safety of the public was involved. The occurrence therefore 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.

Action Statement 3.6.2.3a requires:

With one group of containment cooling fans inoperable, restore the inoperable group of cooling fans to operable status within the next 7 days, or be in hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

CORRECTIVE ACTION:

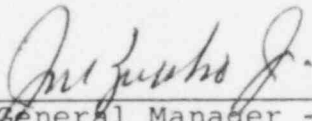
As noted, the flow transmitter sensing lines were blown down, and the flow control valves were cycled. Flow was restored to within specification and No. 25 CFCU tested satisfactorily. No. 25 CFCU was declared operable and Limiting Condition for Operation Action Statement 3.6.2.3a was terminated at 1520 hours, August 12, 1982.

Due to a number of occurrences in which reduced service water flow to CFCU's has been observed, as well as the apparently related problems with oysters and control valves, an engineering investigation of the entire area is presently underway. A Supplemental Report will be issued upon final resolution of these problems.

FAILURE DATA:

Not Applicable.

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 83-51