



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

Salem Generating Station

August 4, 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 82-065/03L

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 82-065/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "H. J. Midura".

H. J. Midura
General Manager -
Salem Operations

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CC: Distribution

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The Energy People

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Report Number: 82-065/03L
Report Date: 08-04-82
Occurrence Date: 07-20-82
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 24 Containment Fan Coil Unit - Inoperable.

This report was initiated by Incident Report 82-187.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 1 - Rx Power 82% - Unit Load 890 MWe.

DESCRIPTION OF OCCURRENCE:

At 2045 hours, July 20, 1982, during the performance of Surveillance Procedure SP(O)4.6.2.3A, the Control Room Operator discovered zero service water flow to No. 24 Containment Fan Coil Unit (CFCU) in both high and low speed modes of operation. The fan coil group containing the CFCU was declared inoperable, and Technical Specification Action Statement 3.6.2.3.a was entered, retroactive to the time of discovery. The containment spray systems were operable throughout the occurrence.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The low service water flow was caused by the failure of the actuator on Flow Control Valve 24SW223. The rod end bearing assembly had failed as the result of accelerated corrosion; the corrosion was apparently due to minor service water leakage or condensate being trapped in the bearing cover. No previous failures of this type have been noted.

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 3.6.2.3.a 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.

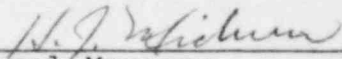
CORRECTIVE ACTION:

The failed rod end bearing was replaced and provision made for drainage of leakage and condensate from the bearing cover. No leakage was observed at the time of the repair of the actuator. The CFCU was returned to service and satisfactorily tested. No. 24 CFCU was declared operable at 0500 hours, July 22, 1982, and Action Statement 3.6.2.3.a was terminated.

FAILURE DATA:

Fisher Controls
8 in. Vee-ball Valve
Type 657-8U

Prepared By R. Frahm


General Manager -
Salem Operations

SORC Meeting No. 82-73