



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

Salem Generating Station

September 29, 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 82-105/03L

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 82-105/03L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

H. J. Midura
General Manager -
Salem Operations

RF:ks 742

CC: Distribution

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PDR ADOCK 05000311
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Report Number: 82-105/03L
Report Date: 09-29-81
Occurrence Date: 09-08-82
Facility: Salem Generating Station, Unit 2
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

No. 22 Containment Fan Coil Unit - Inoperable.

This report was initiated by Incident Report 82-264.

CONDITIONS PRIOR TO OCCURRENCE:

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

DESCRIPTION OF OCCURRENCE:

At 0230 hours, September 8, 1982, during routine surveillance, the Control Room Operator discovered that service water flow to No. 22 Containment Fan Coil Unit (CFCU) was 2350 GPM, less than the 2500 GPM required in low speed operation. No. 22 CFCU was declared inoperable, and since No. 25 CFCU was inoperable due to planned maintenance on the fan motor, Technical Specification Action Statement 3.6.2.3.b was entered.

Subsequently, at 0500 hours, September 8, 1982, No. 21 CFCU was declared inoperable due to a service water leak on the motor cooler (see LER 82-092/01T). Since three CFCU's were inoperable, Limiting Condition for Operation 3.0.3 became applicable and a unit load reduction was commenced. Both containment spray systems were operable throughout the occurrence providing redundant cooling capability.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

Investigation of the problem revealed that silt had apparently been deposited in No. 22 CFCU cooling coils restricting service water 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 ensure offsite radiation dose is maintained within the limits of 10CFR100.

ANALYSIS OF OCCURRENCE: (continued)

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

With two groups of CFCU's inoperable, and both containment spray systems operable, restore at least one group of CFCU's to operable status within 72 hours, or be in at least hot standby within the next 6 hours, and in cold shutdown within the following 30 hours. Restore both required CFCU's to operable status within 7 days of initial loss or be in at least hot standby within the next 6 hours and in cold shutdown within the following 30 hours.

Action Statement 3.0.3 requires:

When a Limiting Condition for Operation is not met, except as provided by the associated action requirements, within one hour action shall be initiated to place the unit in a mode in which the specification does not apply by placing it, as applicable, in hot standby within the next 6 hours, in hot shutdown within the following 6 hours, and in cold shutdown within the subsequent 24 hours.

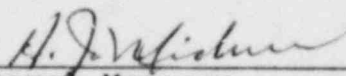
CORRECTIVE ACTION:

As noted, a unit load reduction was commenced, in compliance with Action Statement 3.0.3. Back Pressure Control Valve 22SW57 was cycled several times to flush the silt out of No. 22 CFCU cooling coils, and service water flow returned to normal. The unit was satisfactorily tested and declared operable at 0715 hours, September 8, 1982. Action Statement 3.0.3 was terminated and load reduction was ceased at that time. Action Statement 3.6.2.3.b remained in effect until 0005 hours, September 9, 1982, when No. 21 CFCU was declared operable and the action statement was terminated.

FAILURE DATA:

Not Applicable.

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 82-