



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236

Nuclear Business Unit

LRN-00-0128

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U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Attn: Document Control Desk

**MONTHLY OPERATING REPORT
SALEM UNIT NO. 1
DOCKET NO. 50-272**

Gentlemen:

In compliance with Section 6.9.1.6, Reporting Requirements for the Salem Technical Specifications, the original Monthly Operating report for March 2000 is attached.

Sincerely,

A handwritten signature in black ink, appearing to read "M. B. Bezilla".

M. B. Bezilla
Vice President - Operations

/rbk
Enclosures

C Mr. H. J. Miller
Regional Administrator USNRC, Region 1
475 Allendale Road
King of Prussia, PA 19046

The power is in your hands.

Handwritten initials "JE24" in black ink.

DOCKET NO.: 50-272
 UNIT: Salem 1
 DATE: 4/15/00
 COMPLETED BY: R. Knieriem
 TELEPHONE: (856) 339-1782

Reporting Period: March 2000

OPERATING DATA REPORT

Design Electrical Rating (MWe-Net)
 Maximum Dependable Capacity (MWe-Net)
 No. of hours reactor was critical
 No. of hours generator was on line (service hours)
 Unit reserve shutdown hours
 Net Electrical Energy (MWH)

1115		
1106		
Month	Year-to-date	Cumulative
744	2014	120559
744	1982	116234
0	0	0
813742	2161866	116783201

UNIT SHUTDOWNS

NO.	DATE	TYPE F=FORCED S=SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR (2)	CORRECTIVE ACTION/COMMENT

(1) Reason

(2) Method

- A - Equipment Failure (Explain)
- B - Maintenance or Test
- C - Refueling
- D - Regulatory Restriction
- E - Operator Training/License Examination
- F - Administrative
- G - Operational Error (Explain)
- H - Other

- 1 - Manual
- 2 - Manual Trip/Scram
- 3 - Automatic Trip/Scram
- 4 - Continuation
- 5 - Other (Explain)

Summary:

Salem Unit 1 began the month of March 2000 operating at full power. On March 2, power was reduced to 89% to support transmission system maintenance. Salem Unit 1 resumed full power operation on March 6, and operated at full power for the remainder of the month.

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**SUMMARY OF CHANGES, TESTS, AND EXPERIMENTS
FOR THE SALEM UNIT 1 GENERATING STATION**

MONTH: March 2000

The following items completed during **March 2000** have been evaluated to determine:

1. If the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety previously evaluated in the safety analysis report may be increased; or
2. If a possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report may be created; or
3. If the margin of safety as defined in the basis for any technical specification is reduced.

The 10CFR50.59 Safety Evaluations showed that these items did not create a new safety hazard to the plant; nor did they affect the safe shutdown of the reactor. These items did not change the plant effluent releases and did not alter the existing environmental impact. The 10CFR50.59 Safety Evaluations determined that no unreviewed safety or environmental questions are involved.

Design Changes - Summary of Safety Evaluations

Modification 1EC-3495, Package 1, Steam Traps Replacement Project System

This modification replaced 27 existing thermostatic steam traps associated with main steam line drains. In addition, modifications were made to the piping and valves associated with these steam traps. The modification was accomplished to reduce the dumping of excessive quantities of steam directly to the condenser when a steam trap fails, and is bypassed. The modification will also reduce the potential for water hammer.

Review of this modification under 10CFR50.59 was required because the replacement of the thermostatic steam traps, and the modifications to the piping and valves associated with those steam traps constituted a change to the facility as described in the SAR. This upgrade will reduce the amount of water dumped

directly to the condenser and will reduce the potential for water hammer. The affected components and piping are non-nuclear, non-safety related and are not required to achieve or maintain the safe shutdown of the plant. The modification does not introduce any new credible failure modes. Therefore, this change would not increase the probability or consequences of an accident previously analyzed. Additionally, this change did not increase the probability or consequences of a malfunction of equipment important to safety. This change would not create any new accidents or malfunctions since no new failure modes were introduced. In addition the Technical Specification Bases were not affected and no changes to the Technical Specifications were required.

Modification 1EE-0428, 1R15 Radiation Monitor Digital Upgrade

This modification was performed to improve the reliability of the 1R15 radiation monitor. The modification replaced the existing radiation monitor analog ratemeter, power supply, and bistable trip module, with a microprocessor-based ratemeter/controller that is the digital equivalent of the existing unit. The monitor also installed an enhancement to the monitor detector to prevent water intrusion at the detector pins. The 1R15 Radiation Monitor monitors condenser air removal exhaust activity to provide plant operators with early warning of steam generator tube leakage that could lead to a tube rupture.

Review of this modification under 10CFR50.59 was required because the replacement 1R15 Radiation Monitor constituted a change to the facility as described in the SAR. This upgrade will improve the reliability of the 1R15 in providing early warning of steam generator tube leakage in order to allow operators to take corrective action before a tube rupture occurs. Therefore, this change would not increase the probability or consequences of an accident previously analyzed. Additionally, this change did not increase the probability or consequences of a malfunction of equipment important to safety. This change would not create any new accidents or malfunctions since no new failure modes were introduced. In addition the Technical Specification Bases were not affected and no changes to the Technical Specifications were required.

Temporary Modifications - Summary of Safety Evaluations

There were no changes in this category implemented during March 2000.

Procedures - Summary of Safety Evaluations

There were no changes in this category implemented during March 2000.

UFSAR Change Notices - Summary of Safety Evaluations

There were no changes in this category implemented during March 2000.

Deficiency Reports - Summary of Safety Evaluations

There were no changes in this category implemented during March 2000.

Other - Summary of Safety Evaluations

There were no changes in this category implemented during March 2000.