



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

**Nuclear Business Unit**

**LRN-00-0129**

**APR 12 2000**

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

Attn: Document Control Desk

**MONTHLY OPERATING REPORT  
SALEM UNIT NO. 2  
DOCKET NO. 50-311**

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", written in a cursive style.

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 "JED4" in black ink, located in the bottom right corner of the page.

DOCKET NO.: 50-311  
 UNIT: Salem 2  
 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         |                     |                   |
| <b>Month</b> | <b>Year-to-date</b> | <b>Cumulative</b> |
| 744          | 2184                | 98289             |
| 744          | 2184                | 94966             |
| 0            | 0                   | 0                 |
| 817525       | 2387653             | 95309871          |

**UNIT SHUTDOWNS**

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

(1) Reason

- 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

(2) Method

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

Summary:

Salem Unit 2 operated at full power throughout the month of March 2000.

DOCKET NO.: 50-311  
UNIT: Salem 2  
DATE: 4/15/00  
COMPLETED BY: R. B. Knieriem  
TELEPHONE: (856) 339-1782

**SUMMARY OF CHANGES, TESTS, AND EXPERIMENTS**  
**FOR THE SALEM UNIT 2 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 2EC-3522, Turbine Driven Auxiliary Feed Pump Enclosure Damper Modification**

This modification removed a damper from the Turbine Driven Auxiliary Feed Pump enclosure and added two blowout panels, an automatic damper, and two temperature switches. These changes were made to enhance the operation of the room cooler that supplies the Turbine Driven Auxiliary Feed Pump enclosure, providing additional protection for the enclosure in the event of a steam line break.

Review of this modification under 10CFR50.59 was required because the modification to the Turbine Driven Auxiliary Feed Pump enclosure constituted a change to the facility as described in the SAR. This modification enhances the operation of the room cooler that supplies the Turbine Driven Auxiliary Feed Pump enclosure, providing additional protection for the enclosure in the event of a steam line break. 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 2EE-0330, Pkg. 3, Rev. 0, 26 Service Water Traveling Screen Replacement**

This modification improved the existing Service Water Traveling Screens by replacing the screen material with a new Smooth-TEX design, and by replacing the existing three-nozzle type screen wash headers with new assemblies having six nozzles. The modification also added air-operated valves to isolate the safety-related portion of the Service Water system from the non-safety-related screen wash portion of the system.

Review of this modification under 10CFR50.59 was required because the upgrade of the 26 Service Water Traveling Screen constituted a change to the facility as described in the SAR. This upgrade improved the operation of the traveling screens and enhanced their ability to carry out their design function. 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**

#### **Procedure SC.RE-ST.ZZ-0001(Q), Rev. 2, Online Calorimetric Procedure, Feedwater Nozzle Flow Correction Factors Used For Calorimetric**

This procedure change added correction factors to the feedwater flow nozzle indicated flows that are used to perform the on-line calorimetric procedure. The correction factors will account for nozzle fouling, nozzle erosion, or nozzle internal bypasses that could occur during expected plant life. Nozzle defouling, erosion, or internal bypasses could result in an overpower condition if correction factors are not applied to the indicated nozzle flows.

Review of this procedure change under 10CFR50.59 was required because the change corrects an input to the online calorimetric that is described in the SAR. This change will ensure the accuracy of the on-line calorimetric to preclude an overpower condition. 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.

**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.