



**NOV 14 2000**

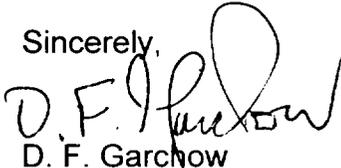
LRN-00-0442

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

Gentlemen:

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

In compliance with Section 6.9, Reporting Requirements for the Salem Unit 1 Technical Specifications, the operating statistics for **October 2000** are being forwarded. Also being forwarded, pursuant to the requirements of 10CFR50.59(b), is a summary of changes, tests, and experiments that were implemented in **October 2000**.

Sincerely,  
  
D. F. Garchow  
Acting Vice President – Operations

RBK  
Attachments

C Distribution

IE24

## INDEX

<u>SECTION</u>	<u>NUMBER OF PAGES</u>
Operating Data Report .....	1
Monthly Operating Summary .....	1
Summary of Changes, Tests, and Experiments .....	3

DOCKET NO.: 50-272  
 UNIT: Salem 1  
 DATE: 11/15/00  
 COMPLETED BY: R. Knieriem  
 TELEPHONE: (856) 339-1782

Reporting Period October 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)**

<b>1115</b>		
<b>1106</b>		
<b>Month</b>	<b>Year-to-date</b>	<b>Cumulative</b>
<b>745</b>	<b>7035</b>	<b>125579</b>
<b>745</b>	<b>6921</b>	<b>121173</b>
<b>0</b>	<b>0</b>	<b>0</b>
<b>815006</b>	<b>7420022</b>	<b>122041357</b>

**UNIT SHUTDOWNS**

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

(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)

DOCKET NO.: 50-272  
UNIT: Salem 1  
DATE: 11/15/00  
COMPLETED BY: R. Knieriem  
TELEPHONE: (856) 339-1782

**Summary Of Monthly Operating Experience**

- Salem Unit 1 began the month of October 2000 operating at full power.
- On October 4, power was reduced to 60% to add oil to a bearing oil reservoir on the 12 Reactor Coolant Pump.
- Salem Unit 1 returned to full power on October 5, and operated at full power for the remainder of the month.

DOCKET NO.: 50-272  
UNIT: Salem 1  
DATE: 11/15/00  
COMPLETED BY: R. Knieriem  
TELEPHONE: (856) 339-1782

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

**MONTH October 2000**

The following items completed during **October 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-3401, Emergency Diesel Generator (EDG) Starting Air and Turbo Boost System Upgrade**

This modification replaced components in the EDG Starting Air and Turbo Boost Systems with components constructed of stainless steel and other corrosion resistant materials to address component degradation caused by corrosion. In addition, the Starting Air Dryer was removed, and starting air and turbo boost relief valve setpoints were raised to minimize unnecessary compressor cycling.

Review of this modification under 10CFR50.59 was required because the component replacement, the removal of the Starting Air Dryer, and the starting air and turbo boost relief valve setpoint change constituted changes to the facility as described in the

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

UFSAR. This modification will provide more reliable EDG Starting Air and Turbo Boost System operation and will reduce system unavailability to perform maintenance. 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 80017961, 15 Feedwater Heater Pressure Equalization Line Orifice Size Change**

This modification enlarged the 15 Feedwater Heater Pressure Equalization Line orifice size in order to prevent two-phase flow and water hammer in the drain lines to the Heater Drain Tanks.

Review of this modification under 10CFR50.59 was required because the enlargement of the Feedwater Heater Pressure Equalization Line orifice size constituted a change to the facility as described in the UFSAR. This modification will provide more reliable system operation by preventing two-phase flow and water hammer in the drain lines to the Heater Drain Tanks. 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 reportable changes in this category implemented during October 2000.

**Procedures Summary of Safety Evaluations**

There were no reportable changes in this category implemented during October 2000.

**UFSAR Change Notices Summary of Safety Evaluations**

**UFSAR Change Notice SCN00-039, Reactor Coolant System Breaching with Potential Hydrogen Residuals**

This evaluation considered a change to the Salem UFSAR that was necessary to reflect the requirement for additional hydrogen monitoring when the Reactor Coolant system is

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

reached during maintenance and there is uncertainty regarding the hydrogen concentration within the system.

Review of this change under 10CFR50.59 was required because the change constitutes a change to the facility as described in the UFSAR and involves changes to procedures as described in the UFSAR. This change will provide additional guidance as to hydrogen monitoring requirements during breaching of the Reactor Coolant system when the hydrogen concentration is uncertain. Therefore, this change would not increase the probability or consequences of an accident previously analyzed. Additionally, this change would 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 Notice SCN00-029, Revision to Salem UFSAR to Update the Transfer of the Salem Operating License from Public Service Electric & Gas Company to PSEG Nuclear LLC, and to Reflect Organizational Changes.**

This evaluation considered a change to the Salem UFSAR that was necessary to reflect the transfer of the Operating License from Public Service Electric & Gas to PSEG Nuclear LLC and to reflect organizational changes and restructuring.

Review of this change under 10CFR50.59 was required because the change constitutes a change to the facility as described in the UFSAR and involves changes to procedures as described in the UFSAR. This change is administrative in nature and reflects changes to the corporate name and the organizational structure. Therefore, this change would not increase the probability or consequences of an accident previously analyzed. Additionally, this change would 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.

**Other - Summary of Safety Evaluations**

There were no reportable changes in this category implemented during October 2000.