PSEG

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

Nuclear Business Unit

SEP 15 1998

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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 August 1998 is attached.

Sincerely,

A. C. Bakken III
General Manager -
Salem Operations

/rbk
Enclosures

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

DOCKET NO.: 50-272
UNIT: Salem 1
DATE: 9/15/98
COMPLETED BY: R. Knieriem
TELEPHONE: (609) 339-1782

Reporting Period: **August 1998**

OPERATING DATA REPORT

Design Electrical Rating (MWe-Net)	**1115**		
Maximum Dependable Capacity (MWe-Net)	**1106**		
	Month	**Year-to-date**	**Cumulative**
No. of hours reactor was critical	**744**	**3511**	**107892**
No. of hours generator was on line (service hours)	**744**	**3270**	**103659**
Unit reserve shutdown hours	**0**	**0**	**0**
Net Electrical Energy (MWH)	**784329**	**3322849**	**103459392**

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

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 1 began the month of August 1998, operating at full power. Full power operation continued until August 2, when power was reduced to 80% to address a high temperature condition in a Main Power Transformer. The unit returned to full power

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later that day. Full power operation continued until August 5, when power was reduced to 64% following the trip of the 12 Steam Generator Feed Pump. Salem Unit 1 returned to full power on August 7, 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: August 1998

The following items completed during **August 1998** 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

1EC-3306, Pkg. 2, Reactor Protection System (RPS) Signal Low-Low Tavg Nomenclature Change

This design change was implemented to clarify conflicting documentation regarding the RPS LOW Tavg function versus the LOW-LOW Tavg function. The modification implemented changes to drawings, procedures, and control room bezels to clearly differentiate between the LOW-LOW Tavg function and the LOW Tavg function. The resulting clarifications in functional descriptions will eliminate potential confusion during plant operation.

Review of this modification under 10CFR50.59 was required because the nomenclature change constituted a change to the facility as described in the Safety Analysis Report (SAR). Because this modification is limited to the clarification of the two RPS functions, and does not affect the function, operation, and setpoint for either function, the review determined that the modification will not increase the probability or consequences of an accident or malfunction of equipment important to safety previously analyzed. Because the change does not add additional equipment or alter the function or operation of the RPS system, the review concluded that the change will not increase the probability of a new accident or a malfunction of equipment important to safety not previously

evaluated. The review concluded that the change did not affect the existing analysis that forms the basis for the Technical Specifications, and does not violate Technical Specification and Updated Final Safety Analysis Report (UFSAR) requirements. Therefore, the change will not reduce the margin of safety as defined in the basis for the Technical Specifications.

1EE-0189, Pkg. 1, Permanent Installation Of Fuel Elevator Reconstitution Basket

This modification provided a permanent replacement of the new fuel elevator carriage with a specially designed reconstitution basket. The reconstitution basket is designed to handle new fuel and support fuel repair activities. The use of the reconstitution basket will prevent interference of the basket with fuel repair tooling.

Review of this modification under 10CFR50.59 was required because the replacement of the reconstitution basket constitutes a change to the facility as described in the Safety Analysis Report (SAR). This review determined that the change did not increase the probability or consequences of an accident previously evaluated in the SAR because the modification is bounded by the existing accident evaluation for a fuel handling accident. The review determined that because the change did not adversely impact the functions of any safety-related systems and components, the change would not increase the probability or consequences of a malfunction of equipment important to safety or create the possibility of an accident or malfunction of a different type from any previously evaluated in the SAR. Because the change did not affect the existing analysis that forms the basis for the Technical Specifications, and will not violate Technical Specification and Updated Final Safety Analysis Report (UFSAR) requirements, the change will not reduce the margin of safety as defined in the basis for the Technical Specifications.

Minor Modification S97-111, Removal Of The Positioner From Valve 11SW92, 11 Auxiliary Building Chiller

This modification removed the positioner from the 11SW92 valve, removing the flow modulating capability of valve. This valve is not used for flow modulation and is either fully open or fully shut. Valve operation to either the fully open or fully closed position will be accomplished pneumatically via a solenoid valve. The modification was implemented to improve the reliability of the respective Auxiliary Building Chiller by reducing the number of parts susceptible to failure or calibration drift.

Review of this modification under 10CFR50.59 was required because the removal of the 11SW92 positioner constitutes a change to the facility as described in the Safety Analysis Report (SAR). This review determined that

because the change does not alter the functionality of the 11SW92 valve, the change will not increase the probability or consequences of an accident previously evaluated in the SAR, increase the probability or consequences of a malfunction of equipment important to safety, or create the possibility of an accident or malfunction of a different type from any previously evaluated. Because the change did not affect the existing analysis that forms the basis for the Technical Specifications, and will not violate Technical Specification and Updated Final Safety Analysis Report (UFSAR) requirements, the change will not reduce the margin of safety as defined in the basis for the Technical Specifications.

Temporary Modifications - Summary of Safety Evaluations

There were no changes in this category implemented during August 1998.

Procedures - Summary of Safety Evaluations

There were no changes in this category implemented during August 1998.

UFSAR Change Notices - Summary of Safety Evaluations

There were no changes in this category implemented during August 1998.

Deficiency Reports - Summary of Safety Evaluations

There were no changes in this category implemented during August 1998.

Other - Summary of Safety Evaluations

There were no changes in this category implemented during August 1998.