



PSEG

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

Nuclear Department

December 12, 1989

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

Dear Sir:

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

In compliance with Section 6.9.1.6, Reporting Requirements for the Salem Technical Specifications, the original copy of the monthly operating reports for the month of November 1989 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Safety Related Maintenance
Major Plant Modification
Operating Summary
Refueling Information

Sincerely yours,

L. K. Miller
General Manager -
Salem Operations

RH:sl

cc: Mr. William T. Russell
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19406

Enclosures
8-1-7.R4

8912200386 891130
FDR ADCK 05000272
R FDC

TE24

The Energy People

AVERAGE DAILY UNIT POWER LEVEL

Completed by Art Orticelle

Docket No. 50-272
 Unit Name Salem # 1
 Date 12-10-89
 Telephone 609-935-6000
 Extension 4722

Month NOVEMBER 1989

Day Average Daily Power Level
 (MWe-NET)

Day Average Daily Power Level
 (MWe-NET)

1	<u>1117</u>
2	<u>1089</u>
3	<u>1098</u>
4	<u>1065</u>
5	<u>951</u>
6	<u>1097</u>
7	<u>1091</u>
8	<u>1111</u>
9	<u>1111</u>
10	<u>1088</u>
11	<u>1104</u>
12	<u>1107</u>
13	<u>1099</u>
14	<u>1084</u>
15	<u>1103</u>
16	<u>1090</u>

17	<u>1035</u>
18	<u>876</u>
19	<u>998</u>
20	<u>1110</u>
21	<u>1098</u>
22	<u>1106</u>
23	<u>1074</u>
24	<u>1105</u>
25	<u>1110</u>
26	<u>1099</u>
27	<u>1088</u>
28	<u>1093</u>
29	<u>998</u>
30	<u>1066</u>
31	<u> </u>

OPERATING DATA REPORT

Docket No .50-272

Date: 12-10-89

Telephone: 935-6000

Extension: 4722

Completed by Art Orticelle

Operating Status

1. Unit Name	Salem No. 1	Notes
2. Reporting Period	November 1989	
3. Licensed Thermal Power (MWt)	3411	
4. Nameplate Rating (Gross MWe)	1170	
5. Design Electrical Rating (Net MWe)	1115	
6. Maximum Dependable Capacity (Gross MWe)	1149	
7. Maximum Dependable Capacity (Net MWe)	1106	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason	N/A	

9. Power Level to Which Restricted, if any (Net MWe) N/A

10. Reasons for Restrictions, if any N/A

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	720	8016	108889
12. No. of Hrs. Reactor was Critical	720	5758.2	70390.4
13. Reactor Reserve Shutdown Hrs.	0	0	0
14. Hours Generator On-Line	720	5572.8	68208.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2412280.8	18038100	213474892.4
17. Gross Elec. Energy Generated (MWH)	806790	5973570	70920750
18. Net Elec. Energy Generated (MWH)	774287	5689666	67495781
19. Unit Service Factor	100	69.5	62.6
20. Unit Availability Factor	100	69.5	62.6
21. Unit Capacity Factor (using MDC Net)	97.2	64.2	56
22. Unit Capacity Factor (using DER Net)	96.4	63.7	55.6
23. Unit Forced Outage Rate	0	7.8	21.4

24. Shutdowns scheduled over next 6 months (type, date and duration of each)

NONE

25. If shutdown at end of Report Period, Estimated Date of Startup:

N/A

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[illegible]

- | 1 | 2 Reason | 3 Method | 4 Exhibit G | 5 Exhibit 1 |
|--------------|--------------------------------------|--------------------|--------------|-------------|
| F: Forced | A-Equipment Failure-explain | 1-Manual | Instructions | Salem as |
| S: Scheduled | B-Maintenance or Test | 2-Manual Scram. | for Prepara- | Source |
| | C-Refueling | 3-Automatic Scram. | tion of Data | |
| | D-Regulatory Restriction | 4-Continuation of | Entry Sheets | |
| | E-Operator Training & Licensing Exam | Previous Outage | for Licensee | |
| | F-Administrative | 5-Load Reduction | Event Report | |
| | G-Operational Error-explain | 9-Other | (LER) File | |
| | H-Other-explain | | (NUREG 0161) | |

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
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890614076

1

FAILURE DESCRIPTION: MULTI-DIVIDER MODULE SN DO-246/OUTPUT BAD/REWORK.

891116065

1 #12B.A.T. PUMP

FAILURE DESCRIPTION: FLOW RATE LOW/ADJUST IMPELLER 1CVE5:#12 BORIC ACID
TRANSFER PUMP

891121106

1 1N42/1NM306

FAILURE DESCRIPTION: FOUND OUT OF SPEC./REWORK CHANNEL

891122105

1

FAILURE DESCRIPTION: PROTECTION/CHANNEL 1 STEAM FLOWS/HIGH/INVESTIGATE.

891127156

1 1CVE5 (12-BATPUMP)

FAILURE DESCRIPTION: REPLACE IMPELLER & SET TO 8 MILS.

MAJOR PLANT MODIFICATIONS
MONTH: - NOVEMBER 1989

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: DECEMBER 10, 1989
COMPLETED BY: P. WHITE
TELEPHONE: (609) 339-4455

*DCR	PRINCIPAL SYSTEM	DESCRIPTION
1EC-01500	Diesel Generators	This design change installed control circuit transfer switches on the engine and generator control panels.
1EC-02230	Reactor Coolant	This design change eliminated RTD bypass piping along with manifolds and associated valves to install an alternate method of obtaining Reactor Coolant loop temperatures.

* Design Change Request

MAJOR PLANT MODIFICATIONS
MONTH: - NOVEMBER 1989

DOCKET NO: 50-272
UNIT NAME: SALEM 1
DATE: DECEMBER 10, 1989
COMPLETED BY: P. WHITE
TELEPHONE: (609) 339-4455

*DCR

SAFETY EVALUATION 10 CFR 50.59

1EC-01500

This design change installed control circuit transfer switches on the engine and generator control panels. Installation of the switches enables an Operator to start the Diesel Generator under postulated fire and blackout conditions. There was no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

1EC-02230

This design change eliminated RTD bypass piping along with manifolds and associated valves to install an alternate method of obtaining Reactor Coolant loop temperatures. Elimination of the bypass piping results in a reduction in maintenance, radiation exposure and outage time. There was no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

*DCR - Design Change Request

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT 1
NOVEMBER 1989

SALEM UNIT NO. 1

The Unit began the period operating at full power and continued to operate at full power until November 5, 1989, when a brief load reduction occurred to support a 13KV system outage at Hope Creek. The Unit returned to full power, later, the same day, and continued to operate at full power until November 17, 1989, when power was reduced as a precautionary measure. This was in response to the Load Dispatcher's Solar Magnetic Disturbance (SMD) alert. The alert remained in effect until November 19, 1989, when the Unit was restored to full power. With the exception of brief load reductions on November 29, and 30, 1989, for circulating water problems, the Unit continued to operate at full power throughout the remainder of the period.

REFUELING INFORMATION

COMPLETED BY: P. White

DOCKET NO.:	<u>50-272</u>
UNIT NAME:	<u>Salem 1</u>
DATE:	<u>December 10, 1989</u>
TELEPHONE:	<u>609/935-6000</u>
EXTENSION:	<u>4497</u>

Month NOVEMBER 1989

1. Refueling information has changed from last month:
YES _____ NO X
2. Scheduled date for next refueling: October 6, 1990
3. Scheduled date for restart following refueling: November 19, 1990
4. A) Will Technical Specification changes or other license amendments be required?
YES _____ NO _____
NOT DETERMINED TO DATE X
B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
YES _____ NO X
If no, when is it scheduled? September 1990
5. Scheduled date(s) for submitting proposed licensing action:
N/A
6. Important licensing considerations associated with refueling:
NONE

7. Number of Fuel Assemblies:
A) Incore 193
B) In Spent Fuel Storage 540
8. Present licensed spent fuel storage capacity: 1170
Future spent fuel storage capacity: 1170
9. Date of last refueling that can be discharged to spent fuel pool assuming the present licensed capacity: September 2001

8-1-7.R4