

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272  
 Unit Name Salem # 1  
 Date 8-4-88  
 Telephone 609-935-6000  
 Extension 4451

Completed by Pell White

Month JULY 1988

Day Average Daily Power Level  
 (MWe-NET)

Day Average Daily Power Level  
 (MWe-NET)

1 1095  
 2 1102  
 3 1099  
 4 1098  
 5 1090  
 6 1113  
 7 1082  
 8 1100  
 9 1084  
 10 1090  
 11 1083  
 12 1083  
 13 1108  
 14 1077  
 15 1061  
 16 1097

17 1074  
 18 1087  
 19 1060  
 20 1071  
 21 1080  
 22 1082  
 23 1074  
 24 1086  
 25 1080  
 26 1090  
 27 1044  
 28 1088  
 29 1066  
 30 1051  
 31 1067

1E24  
 111

OPERATING DATA REPORT

Docket No .50-272  
 Date: 8-4-88  
 Telephone: 935-6000  
 Extension: 4451

Completed by Pell White

Operating Status

1. Unit Name	<u>Salem No. 1</u>	<u>Notes</u>
2. Reporting Period	<u>July 1988</u>	
3. Licensed Thermal Power (Mwt)	<u>3411</u>	
4. Nameplate Rating (Gross MWe)	<u>1170</u>	
5. Design Electrical Rating (Net MWe)	<u>1115</u>	
6. Maximum Dependable Capacity (Gross MWe)	<u>1149</u>	
7. Maximum Dependable Capacity (Net MWe)	<u>1106</u>	
8. If Changes Occur in Capacity Ratings (items 3 through 7) since Last Report, Give Reason	<u>N/A</u>	

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	<u>744</u>	<u>5111</u>	<u>97200</u>
12. No. of Hrs. Reactor was Critical	<u>744</u>	<u>3423.3</u>	<u>6112735</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>3349.2</u>	<u>59140.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2541662.4</u>	<u>11292842.8</u>	<u>183561851.6</u>
17. Gross Elec. Energy Generated (MWH)	<u>839880</u>	<u>3778840</u>	<u>60973330</u>
18. Net Elec. Energy Generated (MWH)	<u>805491</u>	<u>3601183</u>	<u>57997392</u>
19. Unit Service Factor	<u>100</u>	<u>65.6</u>	<u>60.8</u>
20. Unit Availability Factor	<u>100</u>	<u>65.6</u>	<u>60.8</u>
21. Unit Capacity Factor (using MDC Net)	<u>97.9</u>	<u>63.7</u>	<u>53.9</u>
22. Unit Capacity Factor (using DER Net)	<u>97.1</u>	<u>63.2</u>	<u>53.5</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>1.1</u>	<u>23.2</u>

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

N/A

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

N/A

UNIT SHUTDOWN AND POWER REDUCTIONS  
 REPORT MONTH JULY 1988

Docket No. 50-272  
 Unit Name Salem No.1  
 Date August 4, 1988  
 Telephone 609-935-6000  
 Extension 4451

Completed by Pell White

No.	Date	Type	Duration Hours	Reason	Method of Shutting Down Reactor	License Event Report	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
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N/A

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

PSE&G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
870401046	1	1A SWG 97 FAILURE DESCRIPTION: NOT ATTACHED TO PIPE PLEASE REPAIR.
870602041	1	11 S.W.P. FAILURE DESCRIPTION: HANGER MISSING. REPLACE HANGER.
870708038	1	12CCHX FAILURE DESCRIPTION: HAS NO FLOW IN AUTO/CORRECT. HAS NO FLOW WHEN TEMP CONTROLLER REACHES SET POINT.
880120046	1	13SW24 FAILURE DESCRIPTION: DAMAGE VALVE BODY/REPLACE/MK. NO. M-114
880208141	1	1S27C FAILURE DESCRIPTION: HOLE IN PIPE BEFORE 15SW274/REPAIR.

## SALEM UNIT 1

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WO NO	UNIT	EQUIPMENT IDENTIFICATION
880428101	1	11 WASTE GAS COMPRESSOR
		FAILURE DESCRIPTION: INOPERABLE/REPLACE.
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880526040	1	1B DIESEL
		FAILURE DESCRIPTION: LINE TO TURBO./LEAK/REWORK. THERE IS A LEAK ON THE 1/2" COOLING LINE TO THE TURBO.
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880613104	1	1ABV15
		FAILURE DESCRIPTION: SUPPLY REG/BLOWING AIR/REPLACE.
<hr/>		
880620078	1	1R1B
		FAILURE DESCRIPTION: MONITOR IN WARN/INVESTIGATE AND REPAIR.
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880705143	1	1CC71
		FAILURE DESCRIPTION: LTDWN CTL VLV/NOT CONTROLLING/TROUBLESHOOT.
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## SALEM UNIT 1

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WO NO	UNIT	EQUIPMENT IDENTIFICATION
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880718085

1 1C D-G

FAILURE DESCRIPTION: TURBO AIR COMP/NOT STARTING/TROUBLESHOOT.

880718121

1 1R41A

FAILURE DESCRIPTION: PLNT VNT PART RAD MONITOR IS FAILED.  
TROUBLESHOOT/REWORK.

880727080

1 14 LOOP

FAILURE DESCRIPTION: 14 REACTOR COOLANT LOOP T AVE/DELTA T HAS FAILED  
HIGH.

900714001

1 12 S.W. PUMP

FAILURE DESCRIPTION: INSP./PULL AND REPLACE WITH SPARE. PULL 12  
SERVICE WTR PUMP AND INSTALL REBUILT PUMP.

MAJOR PLANT MODIFICATIONS  
REPORT MONTH JULY 1988

DOCKET NO.: 50-272  
UNIT NAME: Salem 1  
DATE: August 10, 1988  
COMPLETED BY: J. Ronafalvy  
TELEPHONE: 609/339-4455

<u>*DCR NO.</u>	<u>PRINCIPAL SYSTEM</u>	<u>DESCRIPTION</u>
1EC-1181	Radiation Monitoring	This modification added five high range main steam line monitors. The monitors are qualified for post-accident operation.
1EC-2188	Service Water	This modification installed a "cross type" vortex breaker beneath the bellmouth of No. 16 Service Water Pump to inhibit cavitation.
1SM-0091	PASS Air Regulator	This modification replaced the instrument air regulating valves with valves better suited to the environmental conditions postulated to exist during an accident.
1SM-0472	Component Cooling	This modification installed an OFF Delay Relay in the control circuitry of Valve 1CC131 to prevent closure of the valve due to the resulting pressure transient caused by starting a Service Water pump.

\* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS  
REPORT MONTH JULY 1988

DOCKET NO. 50-272  
UNIT NAME: Salem 1  
DATE: August 10, 1988  
COMPLETED BY: J. Ronafalvy  
TELEPHONE: 609/339-4455

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\*DCR

SAFETY EVALUATION 10 CFR 50.59

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- 1EC-1181            This modification added monitors to detect any possible activity in the Main Steam lines. This modification did not alter any plant process or discharge or affect the environmental impact of the plant. No unreviewed safety or environmental questions are involved.
- 1EC-2188            The vortex breaker is actually a flow guide which does not affect the quantity or quality of the Service Water flow beyond design. This modification did not alter any plant process or discharge or affect the environmental impact of the plant. No unreviewed safety or environmental questions are involved.
- 1SM-0091            The addition of this new regulator will allow the PASS System to operate at accident temperatures as it was originally designed. This modification did not alter any plant process or discharge or affect the environmental impact of the plant. No unreviewed safety or environmental questions are involved.
- 1SM-0472            This modification to the valve control circuitry enhanced the reliability of the system to withstand flow transients. This modification did not alter any plant process or discharge or affect 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 NO. 1  
JULY 1988

SALEM UNIT NO. 1

The Unit began the period operating at 100% power and continued to operate at full power for the entire period. As of July 27, 1988, the Unit achieved 100 days of continuous operation.

REFUELING INFORMATION

COMPLETED BY: J. Ronafalvy      DOCKET NO.: 50-272  
 UNIT NAME: Salem 1  
 DATE: August 10, 1988  
 TELEPHONE: 609/935-6000  
 EXTENSION: 4497

Month JULY 1988

1. Refueling information has changed from last month:  
 YES \_\_\_\_\_ NO X
2. Scheduled date for next refueling: April 15, 1989
3. Scheduled date for restart following refueling: May 30, 1989
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? February 1989
5. Scheduled date(s) for submitting proposed licensing action:  
February if required
6. Important licensing considerations associated with refueling:  
NONE  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
7. Number of Fuel Assemblies:
 

A) Incore	193
B) In Spent Fuel Storage	464
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



**PSEG**

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

Salem Generating Station

August 10, 1988

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 July 1988 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,

J. M. Zupko, Jr.  
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

The Energy People

JE24  
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