

# AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

Docket No. 50-311  
 Unit Name Salem # 2  
 Date August 10, 1984  
 Telephone 609-935-6000  
 Extension 4455

Month July 1984

Day Average Daily Power Level  
 (MWe-NET)

1	<u>995</u>
2	<u>1098</u>
3	<u>1075</u>
4	<u>1099</u>
5	<u>394</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

Day Average Daily Power Level  
 (MWe-NET)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>156</u>
25	<u>447</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

Pg. 8, 1-7 R1

8408200276 840731  
 PDR ADOCK 05000311  
 R PDR

FE24  
 1/1

# OPERATING DATA REPORT

Docket No. 50-311  
 Date August 10, 1984  
 Telephone 935-6000  
 Extension 4455

Completed by L. K. Miller

## Operating Status

1. Unit Name	Salem No. 2	Notes
2. Reporting Period	July 1984	
3. Licensed Thermal Power (MWt)	3411	
4. Nameplate Rating (Gross MWe)	1162	
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	744	5111      24552
12. No. of Hrs. Reactor was Critical	136.8	2055.1      13763.7
13. Reactor Reserve Shutdown Hrs.	0	1442.9      3533.6
14. Hours Generator On-Line	129.8	1899.4      13316.7
15. Unit Reserve Shutdown Hours	0	0      0
16. Gross Thermal Energy Generated (MWH)	399636	6143345      39614417
17. Gross Elec. Energy Generated (MWH)	133290	2038100      12906390
18. Net Elec. Energy Generated (MWH)	119910	1904389      12221308
19. Unit Service Factor	17.4	37.2      54.2
20. Unit Availability Factor	17.4	37.2      54.2
21. Unit Capacity Factor (using MDC Net)	14.6	33.7      45.0
22. Unit Capacity Factor (using DER Net)	14.5	33.4      44.6
23. Unit Forced Outage Rate	82.6	62.8      36.5
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:

8-8-84

26. Units in Test Status (Prior to Commercial Operation):

	Forecast	Achieved
Initial Criticality	6/30/80	8/2/80
Initial Electricity	9/1/80	6/3/81
Commercial Operation	9/24/80	10/13/81

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS  
REPORT MONTH July 1984

Docket No. 50-311  
Unit Name Salem No.2  
Date August 10, 1984  
Telephone 609-935-6000  
Extension 4455

Completed by L.K. Miller

No.	Date	Type 1	Duration Hours	Reason 2	Method of Shutting Down Reactor	License Event Report	System Code 4	Component Code 5	Cause and Corrective Action to Prevent Recurrence
84-214	7-5	F	459.5	A	1	-	SF	PIPEXX	Nuclear High Pressure Piping Core Cooling
84-216	7-25	F	10.3	B	5	-	CG	INSTRU	Feedwater Regulating Boiler Level Control Valve
84-218	7-25	F	154.7	A	3	-	CJ	VALEX	Power Operated Relief and Safety/ Relief Valves Reactor

1  
F: Forced  
S: Scheduled

2 Reason  
A-Equipment Failure-explain  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & Licensing Exam  
F-Administrative  
G-Operational Error-explain  
H-Other-explain

3 Method  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Continuation of  
Previous Outage  
5-Load Reduction  
9-Other

4 Exhibit G  
Instructions  
for Prepara-  
tion of Data  
Entry Sheets  
for Licensee  
Event Report  
(LER) File  
(NUREG 0161)

5 Exhibit 1  
Salem as  
Source

MAJOR PLANT MODIFICATIONS  
REPORT MONTH July 1984

DOCKET NO.: 50-311  
UNIT NAME: Salem 2  
DATE: August 10, 1984  
COMPLETED BY: L.K. Miller  
TELEPHONE: 609/935-6000 X4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
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NONE

MAJOR PLANT MODIFICATIONS  
REPORT MONTH July 1984

DOCKET NO.: 50-311  
UNIT NAME: Salem 2  
DATE: August 10, 1984  
COMPLETED BY: L.K. Miller  
TELEPHONE: 609/339-4455

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DCR NO. 10CFR 50.59

SAFETY EVALUATION

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NONE

PSE&G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

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WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
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9900132-2	MD	2	100' EL. AIRLOCK DOOR
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FAILURE DESCRIPTION:	BROKEN ROLLER ON INNER DOOR
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CORRECTIVE ACTION:	REPLACED BEARING
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9900127-6	MD	2	#24 SW TRAVELING SCREEN
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FAILURE DESCRIPTION:	REMOVE #24 SW SCREEN AND REPLACE WITH SPARE
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CORRECTIVE ACTION:	REPLACED SCREEN
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922427	OD	2	#24 RHR SUMP
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FAILURE DESCRIPTION:	SUMP PUMP DOES NOT AUTO START
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CORRECTIVE ACTION:	CALIBRATED AND INSTALLED NEW LEVEL DEVICE
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942982	OD	2	#22 RHR SUMP
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FAILURE DESCRIPTION:	OHA SUMP OVERFLOW WAS ILLUMINATED AND SUMP HAD BEEN PUMPED WITH A PORTABLE PUMP
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CORRECTIVE ACTION:	INSTALLED NEW PUMP AND NEW MAGNETROL UNIT
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SALEM UNIT NO. 2  
OPERATIONS SUMMARY REPORT  
JULY 1984

Unit No. 2 began the month operating at full power. It remained at full power until July 5 when a controlled shutdown to Mode 5 was commenced at 0822 hours to effect repairs to a Charging Pump suction line which had developed a leak. As the charging pump suction line was being repaired, the three Pressurizer Safety Valves were replaced with the Unit 1 Pressurizer Safety Valves. The valves were replaced due to evidence of leakage causing the high airborne activity in Containment. Wyle Lab's inspection results identified that cracks had formed on the eductor of each of the three valves. Subsequently, the Pressurizer Safety Relief Valves from Unit 1 (that were placed in Unit 2) have also been sent to Wyle Laboratories for inspection. The original three (3) Pressurizer Safety Valves were installed and tested on July 21, 1984 upon receipt from Wyle Laboratories. Plant heatup commenced on July 22, 1984 at 1548 hours. On July 24, 1984 at 0609 hours the reactor was critical and at 1311 hours the Unit was on line. On July 25, 1984 at 1318 hours with the Unit at 66% power the Unit experienced a Reactor Trip/Safety Injection. The Pressurizer PORV stop valve, 2PR6, was opened at completion of the test of the POPS system. When the valve was opened, the reactor began experiencing a sudden pressure drop. The operator immediately initiated a close signal to valve 2PR6. When reactor pressure dropped to 1865 psig the Reactor tripped and Safety Injection occurred at 1765 psig due to valve 2PR6 not closing for 4.5 minutes. The apparent flow path for the pressure drop was through valve 2PR47. The reactor was brought to Mode 5 pending the results of investigations and repair and testing of applicable systems/components. The Unit remained in Mode 5 for the remainder of the period.



## REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO.: 50-311UNIT NAME: Salem 2DATE: August 10, 1984TELEPHONE: 609/935-6000EXTENSION: 4455Month July 1984

1. Refueling information has changed from last month:  
YES \_\_\_\_\_ NO X
2. Scheduled date for next refueling: January 5, 1985
3. Scheduled date for restart following refueling: March 17, 1985
4. A) Will Technical Specification changes or other license amendments be required?  
YES \_\_\_\_\_ NO \_\_\_\_\_  
NOT DETERMINED TO DATE 8/1/84
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?  
YES \_\_\_\_\_ NO X  
If no, when is it scheduled? November 1984
5. Scheduled date(s) for submitting proposed licensing action:  
December 1984 (if required)
6. Important licensing considerations associated with refueling:  
NONE
7. Number of Fuel Assemblies:  
A) Incore 193  
B) In Spent Fuel Storage 72
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: March 2004

8-1-7.R4





**PSEG**

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

Salem Generating Station

August 10, 1984

Director, Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Sir:

MONTHLY OPERATING REPORT, REVISION  
SALEM NO. 2  
DOCKET NO. 50-311

In Compliance with Section 6.9, Reporting Requirements for the Salem Technical Specifications, 10 copies of the following monthly operating reports for the month of July 1984 are being sent to you.

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

Sincerely yours,

J. M. Zupko, Jr.  
General Manager - Salem Operations

LKM:sbh

cc: Dr. Thomas E. Murley  
Regional Administrator USNRC  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Director, Office of Management  
Information and Program Control  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Enclosure  
8-1-7.R4  
Page 1 of 9