

AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

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

Month March 1984

Day Average Daily Power Level
 (MWe-NET)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>404</u>
6	<u>870</u>
7	<u>9 2</u>
8	<u>1007</u>
9	<u>1011</u>
10	<u>1086</u>
11	<u>1094</u>
12	<u>1098</u>
13	<u>1106</u>
14	<u>1042</u>
15	<u>1058</u>
16	<u>1058</u>

Day Average Daily Power Level
 (MWe-NET)

17	<u>977</u>
18	<u>1014</u>
19	<u>1003</u>
20	<u>1049</u>
21	<u>1095</u>
22	<u>1008</u>
23	<u>837</u>
24	<u>698</u>
25	<u>1048</u>
26	<u>1050</u>
27	<u>1082</u>
28	<u>1113</u>
29	<u>1024</u>
30	<u>978</u>
31	<u>989</u>

Pg. 8,1-7 R1

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OPERATING DATA REPORT

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

Completed by L. K. Miller

Operating Status

- | | | |
|--|--------------------|--------------|
| 1. Unit Name | <u>Salem No. 2</u> | <u>Notes</u> |
| 2. Reporting Period | <u>March 1984</u> | |
| 3. Licensed Thermal Power (MWt) | <u>3411</u> | |
| 4. Nameplate Rating (Gross MWe) | <u>1162</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) | <u>N/A</u> | |
| 10. Reasons for Restrictions, if any | <u>N/A</u> | |
- | | | | |
|--|-------------------|---------------------|-------------------|
| | <u>This Month</u> | <u>Year to Date</u> | <u>Cumulative</u> |
| 11. Hours in Reporting Period | <u>744</u> | <u>2184</u> | <u>21650</u> |
| 12. No. of Hrs. Reactor was Critical | <u>722.4</u> | <u>741.1</u> | <u>12449.6</u> |
| 13. Reactor Reserve Shutdown Hrs. | <u>21.6</u> | <u>1443</u> | <u>2789.6</u> |
| 14. Hours Generator On-Line | <u>649</u> | <u>649</u> | <u>12066.3</u> |
| 15. Unit Reserve Shutdown Hours | <u>0</u> | <u>0</u> | <u>0</u> |
| 16. Gross Thermal Energy Generated (MWH) | <u>2059562</u> | <u>2064441</u> | <u>35535513</u> |
| 17. Gross Elec. Energy Generated (MWH) | <u>670500</u> | <u>670500</u> | <u>11538790</u> |
| 18. Net Elec. Energy Generated (MWH) | <u>638998</u> | <u>620300</u> | <u>10937548</u> |
| 19. Unit Service Factor | <u>87.2</u> | <u>29.7</u> | <u>55.7</u> |
| 20. Unit Availability Factor | <u>87.2</u> | <u>29.7</u> | <u>55.7</u> |
| 21. Unit Capacity Factor (using MDC Net) | <u>77.7</u> | <u>25.7</u> | <u>45.7</u> |
| 22. Unit Capacity Factor (using DER Net) | <u>77.0</u> | <u>25.5</u> | <u>45.3</u> |
| 23. Unit Forced Outage Rate | <u>12.8</u> | <u>70.3</u> | <u>33.1</u> |
| 24. Shutdowns scheduled over next 6 months (type, date and duration of each) | <u>N/A</u> | | |
| 25. If shutdown at end of Report Period, Estimated Date of Startup: | <u>N/A</u> | | |
| 26. Units in Test Status (Prior to Commercial Operation): | | | |

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

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH March 1984

Completed by L.K. Miller

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

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
84-010	01-01	F	95.0	A	4	-	HA	GENERA	Stator Core Iron Generator
84-016	03-04	F	7.0	A	4	-	HA	GENERA	Stator Core Iron Generator
84-018	03-05	F	2.0	A	4	-	HA	GENERA	Stator Core Iron Generator
84-020	03-05	F	11.7	A	5	-	HI	PUMPXX	Steam Generator Feed Pump Problems
84-022	03-06	F	6.3	B	5	-	HA	VALEX	Main Stop Valves Turbine
84-024	03-07	F	3.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-026	03-07	F	2.7	B	5	-	HA	HTEXCH	Liquid Cooling System Generator
84-028	03-07	F	3.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-030	03-07	F	6.7	B	5	-	HA	VALVEX	Main Stop Valves Turbine
84-032	03-07	F	3.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-034	03-08	F	6.9	A	5	-	HC	HTEXCH	Feedwater LP Heater Tube Leaks
84-036	03-08	F	554.8	A	5	-	HA	GENERA	Stator Windings Terminals Bushings Generator

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

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH MARCH 1984

Docket No. 50-272
Unit Name Salem No.2
Date April 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
84-038	03-08	F	3.9	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-040	03-09	F	2.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-042	03-10	F	3.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-044	03-12	F	28.2	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-046	03-14	F	3.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-048	03-14	F	1.6	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-050	03-15	F	6.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-052	03-16	F	2.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-054	03-16	F	5.2	B	5	-	HC	HTEXCH	Other Circulating Water System Problems
84-056	03-16	F	12.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-058	03-17	F	6.4	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH MARCH 1984

Docket No. 50-272
Unit Name Salem No.1
Date April 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
84-060	03-17	F	11.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-062	03-18	F	3.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-064	03-19	F	3.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-066	03-19	F	4.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-068	03-20	F	3.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-070	03-20	F	14.8	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-072	03-21	F	2.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-074	03-21	F	4.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-076	03-21	F	3.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-078	03-22	F	1.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-080	03-22	F	11.5	B	5	-	HC	PUMPXX	Feedwater Heater Drain Pumps
84-082	03-23	F	25.6	B	5	-	HC	PUMPXX	Feedwater Heater Drain Pump
84-084	03-23	F	3.1	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen

1
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2 Reason
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B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Exam
F-Administrative
G-Operational Error-explain
H-Other-explain

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH MARCH 1984

Completed by L.K. Miller

Docket No. 50-272
Unit Name Salem No.1
Date April 10, 1984
Telephone 609-935-6000
Extension 4455

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
84-086	03-23	F	6.5	B	5	-	HI	PUMPXX	Steam Generator Feed Pump Speed Control
84-088	03-24	F	8.2	B	5	-	HC	PUMPXX	Feedwater Heater Drain Pump
84-090	03-24	F	9.2	B	5	-	HI	PUMPXX	Steam Generator Feed Pump Speed Control
84-092	03-24	F	34.4	B	5	-	HC	PUMPXX	Feedwater Heater Drain Pump
84-094	03-24	F	0.4	B	5	-	HI	PUMPXX	Steam Generator Feed Pump Speed Control
84-096	03-25	F	4.7	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-098	03-29	F	11.6	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-100	03-29	F	0.5	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-102	03-29	F	0.5	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-104	03-30	F	1.9	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen

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E-Operator Training & Licensing Exam
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REPORT MONTH MARCH 1984

Completed by L.K. Miller

Docket No. 50-272
Unit Name Salem No.1
Date April 10, 1984
Telephone 609-935-6000
Extension 4455

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
84-106	03-30	F	0.3	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-108	03-30	F	2.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-110	03-30	F	8.0	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-112	03-30	F	1.7	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-114	03-30	F	2.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-116	03-30	F	2.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box Cleaning
84-118	03-31	F	3.7	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-120	03-31	F	4.2	B	5	-	HF	FILTER	Traveling Screen/ Trash Rack/ Canal Screen
84-122	03-31	F	0.9	B	5	-	HF	FILTER	Broken Drive Shaft

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E-Operator Training & Licensing Exam
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*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-1720	Safety Injection	Modify the existing 2SJ4 and 2SJ5, 2SJ12 and 2SJ13 valve leakoff connections to facilitate visual inspection of valve stem leakage.
2ET-1786	Safeguard Emergency Control	Install monitoring equipment on various components on 2B SEC.
2SC-0325	A-C Power System 230V	Change circuit breaker for position 5G5 & 5G6 from TEC 18/72, 1.5kw, 3.6 amps to TED 20, 4kw, 12 amps for Instrument Panel 361-2A and 361-2B No. 2 Service Water Intake 460V - 230V Control Center.
2SC-0364	Condensate (No. 23 only)	Modify 23 Heater Drain Pump Motor to allow filling of oil reservoir.

MAJOR PLANT MODIFICATIONS
REPORT MONTH MARCH 1984

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

DCR NO.	10CFR 50.59	SAFETY EVALUATION
2EC-1720	Implementation of this DCR will not modify the function of any safety related system. No unreviewed safety or environmental questions are involved.	
2ET-1786	This test will not alter any plant process or discharge and will not affect the existing plant impact. No unreviewed safety or environmental questions are involved.	
2SC-0325	Implementation of this DCR will not create any new safety hazards. No unreviewed safety or environmental questions are involved.	
2SC-0364	Implementation of this DCR will affect the operation of the motors and does not involve any change to the FSAR or Technical Specifications. No unreviewed safety or environmental questions are involved.	

*DCR - Design Change Request

SALEM UNIT 2
OPERATIONS SUMMARY REPORT
MARCH 1984

Unit No. 2 began the period shutdown as post-maintenance non-synchronized generator testing was successfully completed. The unit was synchronized on March 4, and attained full power operation on March 9, 1984. With the exception of minor load reductions on March 16, for turbine valve testing, and March 18, due to temporary loss of 2A Vital Bus, Unit No. 2 continued to operate at full power until March 22. On March 22, load was reduced to 85% to replace No. 23 Heater Drain Pump Motor. On March 23, unit load was further reduced to 50% to repair the speed control for No. 21 Steam Generator Feedwater Pump. Subsequent to the repairs, a power escalation was commenced and the unit was returned to full power on March 25. Unit No. 2 continued to operate at full power until March 29, when load was reduced to approximately 80% due to circulator screen fouling problems caused by storm tide conditions. Unit load remained reduced (85% to 90%) through the remainder of the month as the circulator screens were repeatedly cleaned of grass and debris.

REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO.: 50-311UNIT NAME: Salem 2DATE: April 10, 1984TELEPHONE: 609/935-6000EXTENSION: 4455Month March 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 4/1/84
- 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 2000

8-1-7.R4



PSEG

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

Salem Generating Station

April 10, 1984

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

Dear Sir:

MONTHLY OPERATING REPORT
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 March 1984 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Major Plant Modification
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

Enclosures
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