

AVERAGE DAILY UNIT POWER LEVEL

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

Completed by L. K. Miller

Month February 1984

Day Average Daily Power Level
(MWe-NET)

1	<u>1087</u>
2	<u>1100</u>
3	<u>1098</u>
4	<u>1100</u>
5	<u>1093</u>
6	<u>1100</u>
7	<u>1091</u>
8	<u>1087</u>
9	<u>1094</u>
10	<u>1094</u>
11	<u>1095</u>
12	<u>1093</u>
13	<u>1093</u>
14	<u>1100</u>
15	<u>1095</u>
16	<u>1076</u>

Day Average Daily Power Level
(MWe-NET)

17	<u>1100</u>
18	<u>1059</u>
19	<u>1100</u>
20	<u>1095</u>
21	<u>1081</u>
22	<u>1071</u>
23	<u>1071</u>
24	<u>786</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u> </u>
31	<u> </u>

P. 8,1-7 R1

OPERATING DATA REPORT

Docket No. 50-272
 Date March 10, 1984
 Telephone 935-6000
 Extension 4455

Completed by L. K. Miller

Operating Status

1. Unit Name	Salem No. 1	Notes
2. Reporting Period	February 1984	
3. Licensed Thermal Power (MWt)	3338	
4. Nameplate Rating (Gross MWe)	1135	
5. Design Electrical Rating (Net MWe)	1090	
6. Maximum Dependable Capacity (Gross MWe)	1124	
7. Maximum Dependable Capacity (Net MWe)	1079	
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	696	1440	59209
12. No. of Hrs. Reactor was Critical	569.4	1237.6	34388.8
13. Reactor Reserve Shutdown Hrs.	54.5	54.5	3088.4
14. Hours Generator On-Line	569.4	1197.8	32975.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1901969	3800023	99619394
17. Gross Elec. Energy Generated (MWH)	645390	1281380	32896480
18. Net Elec. Energy Generated (MWH)	618884	1223764	31195076
19. Unit Service Factor	81.8	83.2	55.7
20. Unit Availability Factor	81.8	83.2	55.7
21. Unit Capacity Factor (using MDC Net)	82.4	78.8	48.8
22. Unit Capacity Factor (using DER Net)	81.6	78.0	48.3
23. Unit Forced Outage Rate	17.3	16.4	28.6
24. Shutdowns scheduled over next 6 months (type, date and duration of each)			

Refueling 3-1-84

25. If shutdown at end of Report Period, Estimated Date of Startup:
9-1-84

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

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	<u>9/30/76</u>	<u>12/11/76</u>
Initial Electricity	<u>11/1/76</u>	<u>12/25/76</u>
Commercial Operation	<u>12/20/76</u>	<u>6/30/77</u>

8-1-7.R2

Page 3 of 23

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH February 1984

Docket No. 50-272
Unit Name Salem No.1
Date March 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
84-068	1-31	S	3.3	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-070	2-01	S	16.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-072	2-01	S	4.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-076	2-02	S	3.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-078	2-03	S	14.0	B	5	-	HF	FILTER	Traveling Screens/ Trash Racks/ Canal Screens
84-080	2-03	S	3.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-082	2-04	S	29.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-084	2-04	S	2.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-086	2-05	S	1.7	B	5	-	HF	FILTER	Traveling Screens/ Trash Racks/ Canal Screens
84-088	2-06	S	10.7	B	5	-	HF	FILTER	Traveling Screens/ Trash Racks/ Canal Screens

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 Preparation 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 February 1984

Docket No. 50-272
Unit Name Salem No.1
Date March 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
84-090	2-07	S	3.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-092	2-07	S	3.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-094	2-07	F	1.4	B	5	-	HF	FILTER	Traveling Screens/ Trash Racks Canal Screens
84-096	2-07	S	4.1	B	5	-	HF	FILTER	Traveling Screens/ Trash Racks Canal Screens
84-098	2-07	S	4.3	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-100	2-08	S	2.3	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-102	2-08	S	2.7	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH FEBRUARY 1984

Docket No. 50-2
Unit Name Salem No.1
Date March 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
84-104	2-08	S	9.7	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screen
84-106	2-08	F	5.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-108	2-09	S	3.9	B	5	-	JC	HTEXCH	Condenser Tube and Water Box cleaning
84-110	2-10	S	6.1	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-112	2-10	S	4.2	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-114	2-12	S	8.2	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-116	2-13	S	4.5	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-118	2-13	S	4.9	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-120	2-14	F	10.1	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-122	2-15	S	2.7	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH FEBRUARY 1984

Docket No. 50-27
Unit Name Salem No.1
Date March 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
84-124	2-15	S	6.7	B	5	-	HF	FILTER	Traveling Screens Trash Rack Canal Screens
84-126	2-16	F	0.7	B	5	-	HF	FILTER	Traveling Screens Trash Rack Canal Screens
84-128	2-16	S	0.4	B	5	-	HF	FILTER	Traveling Screens Trash Rack Canal Screens
84-130	2-16	F	6.2	B	5	-	HF	FILTER	Traveling Screens Trash Rack Canal Screens
84-132	2-16	S	2.8	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-134	2-17	F	0.9	B	5	-	HF	FILTER	Traveling Screens/ Trash Rack Canal Screens
84-136	2-17	S	4.3	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-138	2-17	S	3.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-140	2-14	S	0.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-142	2-17	S	5.9	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH FEBRUARY 1984

Docket No. 50-2
Unit Name Salem No.1
Date March 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
84-144	2-18	S	2.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-146	2-18	S	4.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-148	2-18	S	2.7	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-150	2-18	S	3.5	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-152	2-19	S	2.7	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-154	2-19	S	2.0	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-156	2-20	S	2.7	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-158	2-21	S	3.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-160	2-22	S	2.4	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-162	2-23	S	4.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning

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UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH FEBRUARY 1984

Docket No. 50-2
Unit Name Salem No.1
Date March 10, 1984
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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
84-164	2-23	S	2.8	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-166	2-23	S	2.6	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-168	2-23	S	4.3	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-170	2-24	S	2.1	B	5	-	HC	HTEXCH	Condenser Tube and Water Box cleaning
84-172	2-24	F	126.6	A	3	-	HA	GENERA	Short in Generator winding

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REPORT MONTH FEBRUARY 1984UNIT NAME: SALEM 1DATE: MARCH 10, 1984COMPLETED BY: L. K. MILLERTELEPHONE: (609) 339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1EC-1495	Microwave	Provide six 4" conduits to connect the microwave communications building with the NJ Bell Telephone Building. Also provide 350 MCM grounding cable to connect the microwave tower to the microwave building ground.
1SC-0690	Chiller Cond. Recirc. Pump (No. 12 only)	Change shaft sleeve material from 316 stainless steel to monel.

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1984

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: March 10, 1984
COMPLETED BY: L.K. Miller
TELEPHONE: 609/339-4455

*DCR NO. SAFETY EVALUATION 10 CFR 50.59

- 1EC-1495 The implementation of this DCR requires the penetration of walls that define the boundary of Kalon protected areas. Instructions for resealing the boundary are included. No unreviewed safety or environmental questions are involved.
- 1SC-0690 Changing the pump shaft sleeve from stainless steel to Monel does affect any presently performed safety analysis. No unreviewed safety or environmental questions are involved.

*DCR - Design Change Request

SALEM UNIT 1

OPERATIONS SUMMARY REPORT

FEBRUARY 1984

Unit No. 1 began the month operating at full power and remained at full power until February 24, when the unit tripped on generator neutral ground protection. Investigation revealed a failure in coil B31 outside the iron at the cooling water connection header box on the exciter end along with several loose generator coils. Additionally, many of the coil diamond spacers were found to be loose and worn. Other findings included copper splatter from the failed coil, and degraded insulation in several areas. The full extent of the damage can not be determined until the generator rotor is removed and the investigation is completed. Disassembly of the generator is in progress, with rotor removal expected on March 7, 1984.

REFUELING INFORMATION

COMPLETED BY: L.K. MillerDOCKET NO. 50-272UNIT NAME: Salem 1DATE: March 10, 1984TELEPHONE: 609/935-6000EXTENSION: 4455Month February 1984

1. Refueling information has changed from last month:
YES X NO
2. Scheduled date for next refueling: February 24, 1984
3. Scheduled date for restart following refueling: September 1, 1984
4. A) Will Technical Specification changes or other license amendments be required?
YES NO
NOT DETERMINED TO DATE 3/1/84
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
YES NO X
If no, when is it scheduled? May 1984
5. Scheduled date(s) for submitting proposed licensing action:
May 1984 (if required)
6. Important licensing considerations associated with refueling:
NONE
7. Number of Fuel Assemblies:
A) Incore 193
B) In Spent Fuel Storage 212
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 1996

8-1-7.R4



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

Salem Generating Station

March 10, 1984

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

Dear Sir:

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

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 February 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
Page 1 of 13
8-1-7.R4