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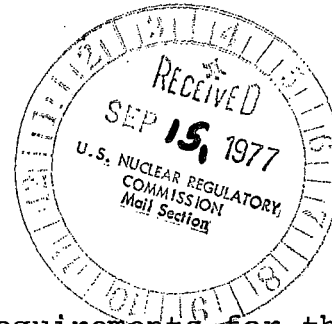
Public Service Electric and Gas Company Salem Nuclear Generating Station  
P.O. Box #168 Hancocks Bridge, New Jersey 08038

**50-272**

September 9, 1977

**REGULATORY DOCKET FILE COPY**

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



**MONTHLY OPERATING REPORT  
SALEM GENERATING STATION**

In compliance with Section 6.9, Reporting Requirements for the Salem Technical Specifications, the following Monthly Operating Reports for the month of August, 1977 are being sent to you.  
(Original plus 10 copies)

- Appendix B - Average Daily Unit Power Level
- Appendix C - Operating Data Report
- Appendix D - Unit Shutdowns and Power Reductions

Additional copies of the Monthly Operating Reports are being sent to:

1. Mr. James P. O'Reilly (1 Copy)  
Director of US NRC  
Office of Inspection and Enforcement  
Region I  
631 Park Avenue  
King of Prussia, PA 19406
2. Director, Office of Management Information (2 Copies)  
and Program Control  
US Nuclear Regulatory Commission  
Washington, DC 20555

Prior to August, 1977 the maximum dependable capability of Salem #1 Unit was based upon a circulating water inlet temperature of 70° F. The revised M.D.C. for this unit will be 1079 (MWe - Net). The basis for this value is a circulating water inlet temperature of 77° F. which is the summer rating basis dictated by the P.J.M. interconnection.

*H. J. Kellerman*  
Manager - Salem Generating Station

Enc.

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272

UNIT Salem #1

DATE Sept. 8, 1977

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

MONTH August, 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-NET)

1	813
2	1,076
3	545
4	527
5	1,070
6	583
7	900
8	981
9	938
10	1,076
11	910
12	723
13	257
14	418
15	1,069
16	1,070

DAY AVERAGE DAILY POWER LEVEL  
(MWE-NET)

17	773
18	869
19	950
20	901
21	819
22	985
23	793
24	1,031
25	1,072
26	1,011
27	533
28	934
29	902
30	816
31	841

APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50-272  
UNIT Salem No. 1  
DATE 9-8-77  
COMPLETED BY J.M. Zupko, Jr.  
TELEPHONE 609-365-7000 X507

OPERATING STATUS

1. REPORTING PERIOD: August, 1977 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 3338 MAX. DEPEND. CAPACITY (MWe-NET): 1079  
DESIGN ELECTRICAL RATING (MWe-Net): 1090
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL . . . . .	<u>726.7</u>	<u>4,487.7</u>	<u>4,789.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS . . . . .	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE . . . . .	<u>718.6</u>	<u>4,090.5</u>	<u>4,130.8</u>
8. UNIT RESERVE SHUTDOWN HOURS . . . . .	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) . . . . .	<u>2,040,089</u>	<u>9,202,949</u>	<u>9,251,646</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>661,150</u>	<u>2,944,090</u>	<u>2,947,320</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) . . . . .	<u>628,996</u>	<u>2,722,594</u>	<u>2,722,594</u>
12. REACTOR SERVICE FACTOR . . . . .	<u>97.7</u>	<u>89.6</u>	<u>89.6</u>
13. REACTOR AVAILABILITY FACTOR . . . . .	<u>97.7</u>	<u>89.6</u>	<u>89.6</u>
14. UNIT SERVICE FACTOR . . . . .	<u>96.6</u>	<u>87.7</u>	<u>87.7</u>
15. UNIT AVAILABILITY FACTOR . . . . .	<u>96.7</u>	<u>87.7</u>	<u>87.7</u>
16. UNIT CAPACITY FACTOR (Using MDC) . . . . .	<u>78.4</u>	<u>67.9</u>	<u>67.9</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) . . . . .	<u>77.6</u>	<u>67.2</u>	<u>67.2</u>
18. UNIT FORCED OUTAGE RATE . . . . .	<u>3.4</u>	<u>12.7</u>	<u>12.7</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<u>9-17-77</u> Modification of Low Pressure Turbine. Scheduled eight week outage.		
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>N/A</u>		
21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED	
INITIAL CRITICALITY	<u>9-30-76</u>	<u>12-11-76</u>	
INITIAL ELECTRICITY	<u>11-01-76</u>	<u>12-25-76</u>	
COMMERCIAL OPERATION	<u>12-20-76</u>	<u>6-30-77</u>	

## APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

UNIT NAME Salem No. 1

DATE September 8, 1977

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

REPORT MONTH August, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-82	7-31-77	F	0.0	H	4	Clean Condensate Pump Strainers
* 77-83	8-1-77	F	0.0	H	4	Clean 11A Circulator Traveling Screens
* 77-84	8-1-77	F	0.0	H	4	Clean 11B Circulator Traveling Screens
* 77-85	8-3-77	F	0.0	H	4	Clean Condensate Pump Strainers
* 77-86	8-3-77	F	0.0	H	4	Clean 13A Circulator Traveling Screens
77-87	8-3-77	F	9.7	G	3	Personnel error during routine testing of S.S.P.S., Train A
* 77-88	8-5-77	F	0.0	H	4	Clean 11, 12 S.G. Feed Pump Strainers.
* 77-89	8-6-77	F	0.0	H	4	Clean 12A & 13A Circulator Traveling Screens
* 77-90	8-9-77	F	0.0	H	4	Clean 13 Condensate Pump Strainers

SUMMARY:

\*LOAD REDUCTION.

## APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

UNIT NAME Salem No.1

DATE August 8, 1977

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

REPORT MONTH August, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-91	8-9-77	F	0.0	A	4	11B Circulator Traveling Screen Spray Header Repair
* 77-92	8-11-77	F	0.0	A	4	13 Condensate Pump Upper Bearing Cooler Repair
* 77-93	8-11-77	F	0.0	A	4	11 Condensate Pump Upper Bearing Replacement
* 77-94	8-13-77	F	0.0	H	4	Clean 13 Condensate Pump Strainer
77-95	8-13-77	F	8.4	A	3	12 S.G. Hi Flow/Lo Level Trip - 12 S.G. Feed Pump Auto/Manual Station Failure.
77-96	8-13-77	F	7.3	A	3	Loose Cover to Turbine Trip Plate Mechanism Causing Turbine to Unlatch.
* 77-97	8-17-77	F	0.0	H	4	Clean Condensate Pump Strainers
* 77-98	8-17-77	F	0.0	H	4	Clean 12 S.G. Feed Pump Strainer
* 77-99	8-18-77	F	0.0	H	4	Clean 11 S.G. Feed Pump Strainer
* 77-100	8-18-77	F	0.0	H	4	Clean Condensate Pump Strainers

SUMMARY:

\*LOAD REDUCTION.

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

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REPORT MONTH August, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-101	8-20-77	F	0.0	H	4	Clean 12 S.G. Feed Pump Strainers
* 77-102	8-21-77	F	0.0	H	4	Clean 11 S.G. Feed Pump Strainers
* 77-103	8-21-77	F	0.0	H	4	Clean 13A Circulator Traveling Screens
* 77-104	8-23-77	F	0.0	H	4	Clean 12, 13 Condensate Pump Strainers
* 77-105	8-23-77	F	0.0	A	4	13 Condensate Pump Upper Bearing Cooler Repair
* 77-106	8-27-77	F	0.0	D	4	Quadrant Power Tilt Ratio Exceeding Tech. Spec. Limits
* 77-107	8-28-77	F	0.0	H	4	Clean 12, 13 Condensate Pump Strainers

SUMMARY:

\*LOAD REDUCTION.