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

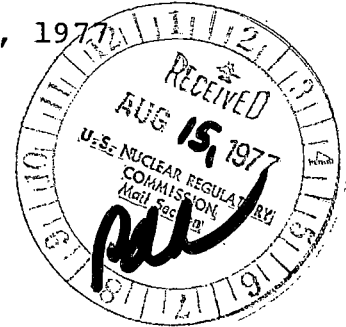
50-272

Regulatory

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August 10, 1977

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 July 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, D.C. 20555

Manager - Salem Generating Station

Enc.

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The Energy People

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272
UNIT SALEM #1
DATE August 8, 1977
COMPLETED BY J. M. Zupko, Jr.
TELEPHONE 309-365-7000 X507

MONTH JULY 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-NET)

1	1048
2	1058
3	1076
4	1052
5	581
6	261
7	677
8	299
9	0
10	0
11	0
12	0
13	461
14	822
15	1070
16	1037

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	897
18	338
19	1030
20	858
21	982
22	545
23	501
24	511
25	426
26	578
27	661
28	544
29	769
30	364
31	762

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50-272
UNIT Salem #1
DATE 8/9/77
COMPLETED BY J.M.Zupko, Jr.
TELEPHONE 309-365-7000 X507

OPERATING STATUS

1. REPORTING PERIOD: July 1977 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt) 3338 MAX. DEPEND. CAPACITY (MWe-NET): 1090
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>604.5</u>	<u>3,761</u>	<u>4,062.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE	<u>583.3</u>	<u>3,371.9</u>	<u>3,412.2</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>1,531,673</u>	<u>7,162,860</u>	<u>7,211,557</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>489,330</u>	<u>2,282,940</u>	<u>2,286,170</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>459,115</u>	<u>2,093,598</u>	<u>2,093,598</u>
12. REACTOR SERVICE FACTOR	<u>81.3</u>	<u>81.8</u>	<u>81.8</u>
13. REACTOR AVAILABILITY FACTOR	<u>81.3</u>	<u>81.8</u>	<u>81.8</u>
14. UNIT SERVICE FACTOR	<u>78.4</u>	<u>79.1</u>	<u>79.1</u>
15. UNIT AVAILABILITY FACTOR	<u>78.4</u>	<u>79.1</u>	<u>79.1</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>56.6</u>	<u>57.2</u>	<u>57.2</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>56.6</u>	<u>57.2</u>	<u>57.2</u>
18. UNIT FORCED OUTAGE RATE	<u>22.7</u>	<u>22.1</u>	<u>22.1</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): <u>9-17-77</u> <u>Modification of Low Pressure Turbine</u>			
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 8/9/77

COMPLETED BY J. M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

REPORT MONTH July 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
77-70	7-23-77	F	0.0	H	4	Clean #13 Condensate Pump Strainers
77-71	7-24-77	F	0.0	H	4	Clean #12 Feed Pump Strainers
77-72	7-25-77	F	1.9	A	1	Partial Loss of Vacuum - 12 Vacuum Pump Seals
77-75	7-25-77	F	0.0	H	4	Clean #13 Condensate Strainers
77-76	7-28-77	F	0.0	H	4	Clean S.G.Feedwater Pump Strainers
77-77	7-28-77	F	0.0	H	4	Clean #12 Condensate Pump Strainers
77-78	7-29-77	F	0.0	H	4	Clean #11 Condensate Pump Strainers
77-81	7-30-77	S	11.1	B	3	Elect.Trip Test from 100%
77-82	7-31-77	F	0.0	H	4	Clean Condensate Pump Strainers

SUMMARY:

*LOAD REDUCTION.

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REPORT MONTH July 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
77-47	7- 4-77	F	0.0	H	4	Clean Condensate Pump Strainers
77-49	7- 5-77	F	13.7	A	1	Generator Voltage Regulator Failure-4 KV under voltage trip
77-50	7- 6-77	F	0.0	H	4	Clean #12 Condensate Pump strainers
77-51	7- 6-77	F	0.0	H	4	Clean S.G.Feed Pump Strainers
77-52	7- 6-77	F	6.9	A	3	12 S.G.Low Level Trip- 12 S.G.Feed Pump Controls
77-53	7- 7-77	F	0.0	H	4	Clean Condensate Pump Strainers
77-54	7- 8-77	F	112.6	D	2	Excessive R.C.S.Leakage - Valve 1 CV-75
77-59	7-17-77	F	0.0	H	4	Clean Condensers
77-60	7-17-77	S	14.5	B	3	Electrical trip test from 100%
77-65	7-20-77	F	0.0	D	4	Insufficient Bit Tank Boron Concentration
77-68	7-22-77	F	0.0	H	4	Clean 12 S.G.Feed Pump Strainers
77-69	7-23-77	F	0.0	H	4	Clean 13 Condensate Pump Strainer

SUMMARY:

*LOAD REDUCTION.