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REGULATORY DOCKET FILE COPY

Public Service Electric and Gas Company

Salem Generating Station P.O. Box #168 Hancocks Bridge, New Jersey 08038

January 9, 1978

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D.C. 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 December, 1977 are being sent to you.

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

Sincerely yours,

H. J. Heller

H. J. Heller
Manager - Salem Generating Station

JMZ:jcm

cc: Mr. Boyce H. Grier
Director of U. S. NRC
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, PA 19406

(1 Copy)

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

(2 Copies)

Enc.

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The Energy People

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APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272

UNIT Salem #1

DATE January 9, 1978

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

MONTH December, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-NET)

1	0
2	0
3	0
4	432
5	616
6	184
7	519
8	730
9	977
10	1045
11	624
12	961
13	984
14	975
15	1095
16	983

DAY AVERAGE DAILY POWER LEVEL
(MWE-NET)

17	1071
18	755
19	1054
20	505
21	1041
22	1066
23	1014
24	1117
25	1082
26	694
27	948
28	1017
29	549
30	848
31	1050

APPENDIX C

OPERATING DATA REPORT

DOCKET NO. 50-272
 UNIT Salem #1
 DATE January 9, 1978
 COMPLETED BY J.M. Zupko, Jr.
 TELEPHONE 609-365-7000 X507

OPERATING STATUS

1. REPORTING PERIOD: December, 1977 GROSS HOURS IN REPORTING PERIOD: 744
 2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt) 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	653.9	2543.2	2543.2
6. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
7. HOURS GENERATOR ON LINE	640.5	2430.6	2430.6
8. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1777594	6695220	6695220
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	602910	2186310	2186310
11. NET ELECTRICAL ENERGY GENERATED (MWH)	574585	2055175	2055175
12. REACTOR SERVICE FACTOR	87.9	57.3	57.3
13. REACTOR AVAILABILITY FACTOR	87.9	57.3	57.3
14. UNIT SERVICE FACTOR	86.1	54.7	54.7
15. UNIT AVAILABILITY FACTOR	86.1	54.7	54.7
16. UNIT CAPACITY FACTOR (Using MDC)	70.9	42.5	42.5
17. UNIT CAPACITY FACTOR (Using Design MWe)	71.6	42.9	42.9
18. UNIT FORCED OUTAGE RATE	4.7	12.8	12.8
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	9-30-76	12-11-76
INITIAL ELECTRICITY	11-01-76	12-25-76
COMMERCIAL OPERATION	12-20-76	6-30-77

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

UNIT NAME Salem #1

DATE January 9, 1978

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

REPORT MONTH December

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-123	11-29-77	F	0	B	1	Cleaned #12 S.G. Feed Pump Suction Strainer.
77-124	11-30-77	F	71.5	B	1	Repair #12 S.G. Feed Pump Suction Suction Valve.
77-125	12-5-77	F	10.8	A	3	Loss of Suction on #13 Condensate Pump Due to Plugged Strainer.
77-126	12-6-77	F	3.7	A	3	Loss of 12A, 12B, 13A and 13B Circulators due to High Screen ΔP.
* 77-127	12-9-77	S	0	B	1	Clean #11,12 & 13 Condensate Pump Suction Strainers.
* 77-128	12-10-77	S	0	B	1	Cycling Heater Drain Pumps to Clean Condensate System.
* 77-129	12-11-77	S	0	B	1	Clean 11, 12, 13 Condensate Pump Suction Strainers.
* 77-130	12-11-77	S	0	B	1	Clean 11, 12 S.G. Feed Pump Suction Strainers.

SUMMARY:

*LOAD REDUCTION.

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

UNIT NAME Salem #1

DATE January 9, 1978

COMPLETED BY J.M. Zupko, Jr.

TELEPHONE 609-365-7000 X507

REPORT MONTH December, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-131	12-13-77	F	0	B	1	Clean #12 Condensate Pump Suction Strainer.
* 77-132	12-14-77	F	0	B	1	Clean No.#11 Condensate Pump Suction Strainer.
* 77-133	12-16-77	F	0	B	1	Clean #11,12,& 13 Condensate Pump Suction Strainers.
* 77-134	12-17-77	S	0	B	1	Cycle Heater Drain Pumps to Clean Condensate System.
* 77-135	12-18-77	S	0	B	1	Cycle Heater Drain Pumps to Clean Condensate System.
* 77-136	12-18-77	S	0	B	1	Cycle Heater Drain Pumps to Clean Condensate System.
* 77-137	12-18-77	S	0	B	1	Clean 11, 12, 13 Condensate Pump Suction Strainers.
* 77-138	12-18-77	S	0	B	1	Clean 11 and 12 S.G. Feed Pump Suction Strainers.
77-139	12-20-77	F	7.3	A	3	#12 S.G. Feed Pump Tripped.

SUMMARY:

*LOAD REDUCTION.

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-272

UNIT NAME Salem #1

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REPORT MONTH December, 1977

NO.	DATE	TYPE F: FORCED S: SCHEDULED	OUTAGE DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
* 77-140	12-23-77	S	0	B	1	Clean 11, 12 & 13 Condensate Pump Suction Strainers.
* 77-141	12-26-77	S	0	B	1	Repair S.G. Feed Pump Turning Gear.
* 77-142	12-27-77	F	0	B	1	Clean 11, 12 & 13 Condensate Pump Suction Strainers.
* 77-143	12-28-77	F	0	B	1	Clean 11, 12 & 13 Condensate Pump Suction Strainers.
77-144	12-29-77	F	10.2	A	3	#11 S.G. Feed Pump Trip.

SUMMARY:

*LOAD REDUCTION.