

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
 Unit Name Salem # 1
 Date 1-10-89
 Telephone 609-935-6000
 Extension 4451

Completed by Art Orticelle

Month DECEMBER 1988

Day Average Daily Power Level
(MWe-NET)

Day Average Daily Power Level
(MWe-NET)

1 1072
 2 1110
 3 1105
 4 1110
 5 1120
 6 1103
 7 1113
 8 1074
 9 1116
 10 1114
 11 1108
 12 1113
 13 1103
 14 1094
 15 1112
 16 1105

17 1106
 18 1099
 19 1110
 20 1111
 21 1116
 22 1095
 23 1113
 24 1105
 25 1128
 26 1085
 27 934
 28 1065
 29 1114
 30 1113
 31 1115

P. 8.1-7 R1

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OPERATING DATA REPORT

Docket No. .50-272
 Date: 1-10-89
 Telephone: 935-6000
 Extension: 4451

Completed by Pell White

Operating Status

1. Unit Name	<u>Salem No. 1</u>	<u>Notes</u>
2. Reporting Period	<u>December 1988</u>	
3. Licensed Thermal Power (MWt)	<u>3411</u>	
4. Nameplate Rating (Gross MWe)	<u>1170</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) 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	<u>744</u>	<u>8784</u>	<u>100873</u>
12. No. of Hrs. Reactor was Critical	<u>744</u>	<u>6937.1</u>	<u>64632.2</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>6844.1</u>	<u>62635.9</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2528071</u>	<u>23167783</u>	<u>195436792</u>
17. Gross Elec. Energy Generated (MWH)	<u>851780</u>	<u>7752690</u>	<u>64947180</u>
18. Net Elec. Energy Generated (MWH)	<u>817896</u>	<u>7409906</u>	<u>61806115</u>
19. Unit Service Factor	<u>100</u>	<u>77.9</u>	<u>62.1</u>
20. Unit Availability Factor	<u>100</u>	<u>77.9</u>	<u>62.1</u>
21. Unit Capacity Factor (using MDC Net)	<u>99.4</u>	<u>76.3</u>	<u>58.2</u>
22. Unit Capacity Factor (using DER Net)	<u>98.6</u>	<u>75.7</u>	<u>57.7</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>3.0</u>	<u>22.4</u>

24. Shutdowns scheduled over next 6 months (type, date and duration of each)

Refueling outage scheduled for April 9, 1989 and lasting approximately 55 days.

25. If shutdown at end of Report Period, Estimated Date of Startup:

N/A

UNIT SHUTDOWN AND POWER REDUCTIONS
 REPORT MONTH DECEMBER 1988

Docket No. 50-272
 Unit Name Salem No.1
 Date 1-10-89
 Telephone 609-935-6000
 Extension 4451

Completed by Art Orticelle

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
0254	12-27-88	S	3.75	B	5	-----	EG	ZZZZZZ	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPHIES
0255	12-27-88	S	2.50	B	5	-----	EG	ZZZZZZ	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPHIES
0256	12-27-88	S	8.67	B	5	-----	EG	ZZZZZZ	TRANSMISSION SYSTEM PROBLEMS OTHER THAN CATASTROPHIES
0257	12-28-88	S	5.35	B	5	-----	HF	PUMPXX	OTHER CIRCULATING WATER SYSTEM PROBLEMS

1	2 Reason	3 Method	4 Exhibit G	5 Exhibit 1
F: Forced	A-Equipment Failure-explain	1-Manual	Instructions	Salem as
S: Scheduled	B-Maintenance or Test	2-Manual Scram.	for Prepara-	Source
	C-Refueling	3-Automatic Scram.	tion of Data	
	D-Regulatory Restriction	4-Continuation of	Entry Sheets	
	E-Operator Training & Licensing Exam	Previous Outage	for Licensee	
	F-Administrative	5-Load Reduction	Event Report	
	G-Operational Error-explain	9-Other	(LER) File	
	H-Other-explain		(NUREG 0161)	

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
870618095	1	1CAV2 FAILURE DESCRIPTION: AUX BLDG CNTRL AREA INTAKE SUPPLY/REBUILD DAMPER.
880727127	1	1A D/G FAILURE DESCRIPTION: LUBE OIL HTR FLEX CONDUIT/BROKEN/REPLACE.
880808133	1	1A DG GOV FAILURE DESCRIPTION: HUNT'S WHEN UNLOADED/TROUBLESHOOT.
880914111	1	1C DIESEL 9L CYL. J.W. FAILURE DESCRIPTION: WATER INLET IS LEAKING AT THE TRIANGLE FITTING/REWORK.
880927102	1	12SW39 FAILURE DESCRIPTION: 1B D/G SW VLV/FAILED STROKE TIME/RESTROKE.
881010108	1	12 S.W. SUMP PMP FAILURE DESCRIPTION: NOT PUMPING/TROUBLESHOOT & REWORK.

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
881120047	1	12 AUX BLD. EXH FAN FAILURE DESCRIPTION: 12 AUXILARY BUILDING EXHAUST FAN/REPLACE MOTOR.
881202113	1	1R44A FAILURE DESCRIPTION: CONT HIGH RNG RAD MON/ALARMING/REPAIR.
881205143	1	12 TAC PUMP MTR FAILURE DESCRIPTION: FAILS TO RE-START AFTER TAKEN OUT OF SERVICE/TROUBLESHOOT.
881212188	1	11XP3360 FAILURE DESCRIPTION: THE MICROPROCESSOR PROGRAM STOPPED FUNCTIONING. CONT HYD. ANAL./REPAIR/FAILED CALIB.
881219072	1	11CC PUMP FAILURE DESCRIPTION: 11 COMPONENT COOLING PUMP OUTBOARD BEARING HAS HIGH VIBRATION.
881220144	1	1C2 125V BTRY CHRG FAILURE DESCRIPTION: POWER FEED BURNED OPEN/REWORK.

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
881223078	1	#15 FAN COIL PIPING
FAILURE DESCRIPTION: #15 FAN COIL PIPING LEAKING/REPAIR.		

MAJOR PLANT MODIFICATIONS
REPORT MONTH DECEMBER 1988

DOCKET NO.: 50-272
UNIT NAME: Salem I
DATE: January 10, 1989
COMPLETED BY: P. White
TELEPHONE: 609/339-4455

*DCR NO.	PRINCIPAL SYSTEM	DESCRIPTION
1EC-2210	Diesel Generators	This design change replaced the existing (non-seismically qualified) differential relays with ones which are seismically qualified.

* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH DECEMBER 1988

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: January 10, 1989
COMPLETED BY: P. White
TELEPHONE: 609/339-4455

*DCR

SAFETY EVALUATION 10 CFR 50.59

1EC-2210

Installation of the seismically qualified relays enhances the safety and proper operation of the diesel generator automatic controls. There was no change to any plant process or discharge or to the environmental impact of the plant. No unreviewed safety or environmental questions are involved.

* DCR - Design Change Request

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT NO. 1
DECEMBER 1988

SALEM UNIT NO. 1

The Unit began the month operating at full power and continued to operate at essentially full power until December 27, 1988, when power was reduced to 81% for transmission stability requirements to support a planned Keeney 500KV line outage. The Unit was restored to full power the same day and continued to operate at essentially full power for the remainder of the period.

REFUELING INFORMATION

COMPLETED BY: P. White

DOCKET NO.: 50-272
 UNIT NAME: Salem 1
 DATE: January 10, 1989
 TELEPHONE: 609/935-6000
 EXTENSION: 4497

Month DECEMBER 1988

1. Refueling information has changed from last month:
 YES _____ NO X
2. Scheduled date for next refueling: April 15, 1989
3. Scheduled date for restart following refueling: May 30, 1989
4. A) Will Technical Specification changes or other license amendments be required?
 YES _____ NO _____
 NOT DETERMINED TO DATE X
- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?
 YES _____ NO X
 If no, when is it scheduled? February 1989
5. Scheduled date(s) for submitting proposed licensing action:
February if required
6. Important licensing considerations associated with refueling:
NONE

7. Number of Fuel Assemblies:
 A) Incore 193
 B) In Spent Fuel Storage 464
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 2001



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038

Nuclear Department

January 11, 1989

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Dear Sir:

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

In compliance with Section 6.9.1.6, Reporting Requirements for the Salem Technical Specifications, the original copy of the monthly operating reports for the month of December 1988 are being sent to you.

Average Daily Unit Power Level
Operating Data Report
Unit Shutdowns and Power Reductions
Safety Related Maintenance
Major Plant Modification
Operating Summary
Refueling Information

Sincerely yours,

L. K. Miller
General Manager -
Salem Operations

RH:sl

cc: Mr. William T. Russell
Regional Administrator USNRC
Region I
631 Park Avenue
King of Prussia, PA 19406

Enclosures
8-1-7.R4

The Energy People

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1/1