

# OPERATING DATA REPORT

Docket No. 50-272  
 Date August 10, 1985  
 Telephone 935-6000  
 Extension 4455

Completed by J. P. Ronafalvy

## Operating Status

1. Unit Name	Salem No. 1	Notes
2. Reporting Period	July 1985	
3. Licensed Thermal Power (MWt)	3338	
4. Nameplate Rating (Gross MWe)	1170	
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	744	5087	70896
12. No. of Hrs. Reactor was Critical	0	5069.6	40893.1
13. Reactor Reserve Shutdown Hrs.	0	0	3088.4
14. Hours Generator On-Line	744	5066.7	39225.3
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2489858	16856249	119624246
17. Gross Elec. Energy Generated (MWH)	833550	5740870	39656920
18. Net Elec. Energy Generated (MWH)	800369	5518268	37616250
19. Unit Service Factor	100	99.6	55.3
20. Unit Availability Factor	100	99.6	55.3
21. Unit Capacity Factor (using MDC Net)	99.7	100.5	49.2
22. Unit Capacity Factor (using DER Net)	98.7	99.5	48.7
23. Unit Forced Outage Rate	0	.4	30.2

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

N/A

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

N/A

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

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

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Page of

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# AVERAGE DAILY UNIT POWER LEVEL

Completed by J. P. Ronafalvy

Docket No. 50-272  
 Unit Name Salem # 1  
 Date August 10, 1985  
 Telephone 609-935-6000  
 Extension 4455

Month July 1985

Day Average Daily Power Level  
 (MWe-NET)

1	<u>1070</u>
2	<u>1074</u>
3	<u>1074</u>
4	<u>1094</u>
5	<u>1082</u>
6	<u>1084</u>
7	<u>1086</u>
8	<u>1084</u>
9	<u>1086</u>
10	<u>1084</u>
11	<u>1084</u>
12	<u>1087</u>
13	<u>1072</u>
14	<u>1094</u>
15	<u>1073</u>
16	<u>1078</u>

Day Average Daily Power Level  
 (MWe-NET)

17	<u>1078</u>
18	<u>1066</u>
19	<u>1084</u>
20	<u>1072</u>
21	<u>1069</u>
22	<u>1069</u>
23	<u>1066</u>
24	<u>1082</u>
25	<u>1071</u>
26	<u>1057</u>
27	<u>1051</u>
28	<u>1069</u>
29	<u>1069</u>
30	<u>1067</u>
31	<u>1073</u>

UNIT SHUTDOWN AND POWER REDUCTIONS  
REPORT MONTH July 1985

Docket No. 50-272  
Unit Name Salem No.1  
Date August 10, 1985  
Telephone 609-935-6000  
Extension 4455

Completed by J.P. Ronafalvy

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
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\* There were no outages for the month of July resulting in a load reduction of greater than 20%.

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)	

MAJOR PLANT MODIFICATIONS  
REPORT MONTH JULY 1985

DOCKET NO.: 50-272  
UNIT NAME: Salem 1  
DATE: August 10, 1985  
COMPLETED BY: J. Ronafalvy  
TELEPHONE: 609/339-4455

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\*DCR NO.                      SAFETY EVALUATION    10 CFR 50.59

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1EC-2148    This design change does not involve any field work. It provides a margin of safety for the RHR heat removal requirements during a LOCA. Details of the analysis is addressed in Engineering Safety Evaluation S-C-N210-MSE-0317. No unreviewed safety or environmental questions are involved.

\*DCR - Design Change Request

MAJOR PLANT MODIFICATIONS  
REPORT MONTH July 1985

DOCKET NO.: 50-272  
UNIT NAME: Salem 1  
DATE: August 10, 1985  
COMPLETED BY: J. Ronafalvy  
TELEPHONE: 609/339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1EC-2148	Component Cooling	Revise the component cooling flow rate to the RHR heat exchangers during cold leg recirculation from 2000 GPM to 4000 GPM per heat exchanger.

\* Design Change Request

PSE&G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

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WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
8507240861	SMD	1	11SW126
			FAILURE DESCRIPTION: VALVE BROKE OFF, LINE HAS BEEN TEMPORARILY PLUGGED WITH A WOOD DOWEL.
			CORRECTIVE ACTION: WELDED CAP ON SPOOL PIECE.

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8507210058	SMD	1	12 BAT PUMP
			FAILURE DESCRIPTION: PUMP HAS AN OIL LEAK COMING FROM PUMP BEARING UNDER SHEATHING.
			CORRECTIVE ACTION: REPLACED GASKET ON PUMP HOUSING.

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8507140068	SIC	1	1R41B INDICATION
			FAILURE DESCRIPTION: CHANNEL IS FAILED.
			CORRECTIVE ACTION: REMOVED 862C REMOTE CONTROLLER AND CLEANED PINS WITH FLUX CLEANING SOLVENT. MODULE REINSTALLED AND REMOTE RETURNED TO SERVICE.

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8507140190	SMD	1	12 BAT PUMP
			FAILURE DESCRIPTION: PUMP TRIPPED, SMELLS SMOKED. OIL IS BLACK.
			CORRECTIVE ACTION: REBUILT PUMP AND REALIGNED AS PER PROCEDURE.

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WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
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8507070051

SIC

1

1CC196

FAILURE DESCRIPTION: AIR LINE DISLODGED OUT OF SWEDGLOCK FITTING ON TOP OF DIAPHRAGM OF VALVE.

CORRECTIVE ACTION: FOUND SWAGELOCK FITTING LOOSE AND MISSING REAR FERRELL. REPLACED WITH NEW NUT AND FERRELS AND REHOOKED TO DIAPHRAGM

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8506250056

SMD

1

CFCU OUTLET HDR ISO.

FAILURE DESCRIPTION: THE REACH ROD IS JAMMED.

CORRECTIVE ACTION: REACH ROD FACE PLATE REMOVED. CLEANED BEARING HOUSING. REASSEMBLED REACH ROD. SATISFACTORY.

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0099176645

SMD

1

11 SW PUMP

FAILURE DESCRIPTION: 11 SW PUMP WILL NOT START FROM THE CONTROL ROOM.

CORRECTIVE ACTION: PLACED BREAKER IN TEST POSITION OP. CONTROL CIRCUIT FROM CONTROL ROOM WHILE MONITORING RELAYS IN CONTROL CIRCUIT FOUND TWO FAILED RELAYS. REPLACED RELAYS AND OP. CIRCUIT FROM CONTROL ROOM WITH BREAKER IN TEST CIRCUIT AND BREAKER OP. PROPERLY.

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0099177901

SIC

1

11SW127

FAILURE DESCRIPTION: CAN'T CONTROL VALVE WITH PNEUMATIC CONTROLLER. VALVE IS ABOUT 1/4 OPEN AND WON'T MOVE.

CORRECTIVE ACTION: REPLACED VALVE POSITIONER, STROKED AT 3-15# INPUT TO POSITIONER.

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WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
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0099178168

SIC

1

12 SI PUMP

FAILURE DESCRIPTION: JUNCTION BOX FOR THERMOCOUPLE TA-4440 IS LEAKING OIL.

CORRECTIVE ACTION: EXISTING THERMOCOUPLE WOULD NOT HOLD OIL SEAL ON  
THRUST BEARING ALLOWING OIL TO LEAK THROUGH  
THERMOCOUPLE AND INTO CONDUIT. REMOVED DEFECTIVE  
THERMOCOUPLE. CALIBRATED AND INSTALLED NEW  
THERMOCOUPLE.

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SALEM GENERATING STATION  
MONTHLY OPERATING SUMMARY - UNIT NO. 1  
JULY 1985

SALEM NO. 1

The Unit operated at full power for the entire period.

## REFUELING INFORMATION

COMPLETED BY: J. RonafalvyDOCKET NO.: 50-272UNIT NAME: Salem 1DATE: August 10, 1985TELEPHONE: 609/935-6000EXTENSION: 4455Month July 1985

1. Refueling information has changed from last month:

YES \_\_\_\_\_ NO X

2. Scheduled date for next refueling:
- February 22, 1986

3. Scheduled date for restart following refueling:
- May 4, 1986

4. A) Will Technical Specification changes or other license amendments be required?

YES \_\_\_\_\_ NO \_\_\_\_\_

NOT DETERMINED TO DATE \_\_\_\_\_

- B) Has the reload fuel design been reviewed by the Station Operating Review Committee?

YES \_\_\_\_\_ NO XIf no, when is it scheduled? January 1986

5. Scheduled date(s) for submitting proposed licensing action:

January 1986 if required

6. Important licensing considerations associated with refueling:

NONE

7. Number of Fuel Assemblies:

A) Incore

193

B) In Spent Fuel Storage

296

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



**PSEG**

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

Salem Generating Station

August 10, 1985

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 July 1985 are being sent to you.

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

Sincerely yours,

J. M. Zupko, Jr.  
General Manager - Salem Operations

JR: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  
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