AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
Unit Name Salem # 1
Date 3-10-89
Telephone 609-935-6000
Extension 4451

Completed by Art Orticelle

Month FEBRUARY 1989

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	1110	17	0
2	1111	18	0
3	1110	19	156
4	1110	20	1068
5	1096	21	1085
6	479	22	1087
7	0	23	1113
8	0	24	1081
9	940	25	1104
10	1091	26	1110
11	1099	27	1108
12	1014	28	1108
13	1105	29	
14	1101	30	
15	733	31	
16	0		

IE24
1/1

8903220119 890228
PDR ADOCK 05000272
R PDC

OPERATING DATA REPORT

Docket No .50-272
Date: 3-10-89
Telephone: 935-6000
Extension: 4451

Completed by Pell White

Operating Status

1.	Unit Name	Salem No. 1	Notes
2.	Reporting Period	February 1989	
3.	Licensed Thermal Power (MWt)	3411	
4.	Nameplate Rating (Gross MWe)	1170	
5.	Design Electrical Rating (Net MWe)	1115	
6.	Maximum Dependable Capacity (Gross MWe)	1149	
7.	Maximum Dependable Capacity (Net MWe)	1106	

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

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	672	1416	102289
12. No. of Hrs. Reactor was Critical	570	1314.6	65946.8
13. Reactor Reserve Shutdown Hrs.	0	0	0
14. Hours Generator On-Line	578.3	1322	63957.9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1747972.8	4251211.2	199688003.6
17. Gross Elec. Energy Generated (MWH)	579920	1420550	66367730
18. Net Elec. Energy Generated (MWH)	551851	1359434	63165549
19. Unit Service Factor	81.3	91.1	62.5
20. Unit Availability Factor	81.3	91.1	62.5
21. Unit Capacity Factor (using MDC Net)	74.3	86.8	55.8
22. Unit Capacity Factor (using DER Net)	73.7	86.1	55.4
23. Unit Forced Outage Rate	13.9	6.6	22.1

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

Refueling outage scheduled for April 15, 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 FEBRUARY 1989

Docket No. 50-272
Unit Name Salem No.1
Date 3-10-89
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
0054	2-06-89	F	58.03	G	2	89-001-00	HJ	HTEXCH	NUCLEAR OTHER S/G INTERNAL PROBLEM
0057	2-15-89	F	25.13	A	2	------	CB	PUMPXX	NUCLEAR REACTOR COOLANT/RECIRC PMP
0059	2-16-89	F	5.68	A	5	------	HE	INSTRU	TURB. GOV. SYSTEM CONT.
0060	2-17-89	F	62.85	A	4	------	HE	INSTRU	TURB. GOV. SYSTEM CONT.

1
F: Forced
S: Scheduled

2 Reason
A-Equipment Failure-explain
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & Licensing Exam
F-Administrative
G-Operational Error-explain
H-Other-explain

3 Method
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuation of Previous Outage
5-Load Reduction
9-Other

4 Exhibit G Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

5 Exhibit 1 Salem as Source

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
870501276	1	1SV1508-#11, 12, & 13 FAILURE DESCRIPTION: PENE AREA UNIT COOLERS/REPLACE SOLENOID VALVES.
870501277	1	1SV1507-#11, 12 & 13 FAILURE DESCRIPTION: PENE AREA UNIT CLRS/REPLACE SOLENOID VALVES.
871202128	1	12SW387 FAILURE DESCRIPTION: VALVE LEAKS THROUGH DURING HYDRO AA-159/REMOVE VALVE AND REPAIR AS NECESSARY AA-159.
880714079	1	#13 CHG PUMP PACKING FAILURE DESCRIPTION: LEAKS/REPACK/PRIMARY & SECONDARY PACKING IS LEAKING ON ALL 5 CYLINDERS.
881227094	1	12SW380 FAILURE DESCRIPTION: LEAK IN WELD DOWNSTREAM/REPAIR.
890103110	1	12SW381 FAILURE DESCRIPTION: SEAT RING BROKE/REPLACE/MK. NO. AA-158.

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
890104141	1	1S27B
		FAILURE DESCRIPTION: HOLE IN TEE UPSTREAM OF 11SW69/REPLACE. REPAIR.
890106078	1	12 FHB EXH FAN
		FAILURE DESCRIPTION: MOTOR VIBRATING/REWORK.
890109117	1	12SW383
		FAILURE DESCRIPTION: SEAT RING DAMAGED/REPLACE/MK AA-158.
890201218	1	15 CFCU
		FAILURE DESCRIPTION: WILL NOT START IN HIGH SPEED/TROUBLESHOOT.
890206197	1	1RC35
		FAILURE DESCRIPTION: PACKING LEAK/TIGHTEN PACKING AND CLEAN BORIC ACID. FA-27.
890208071	1	HIGH PRESSURE TURBINE
		FAILURE DESCRIPTION: HIGH PRESSURE TURBINE HTG. STM. FLNG LEAK.

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
890215140		
	1	13CC293
		FAILURE DESCRIPTION: LINE BROKEN/REPAIR.
890216063		
	1	1R41A
		FAILURE DESCRIPTION: PLNT VNT RAD MON/MONITOR FAILED/REPAIR.

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1989

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

*DCR NO.	PRINCIPAL SYSTEM	DESCRIPTION
1EC-01558A	Nuclear Instruments	This design change installed environmentally qualified redundant channels (C&D) to provide Source/Power range indication to meet Reg. Guide 1.97 requirements.
1SE-01890	Reactor Coolant	This design change modified the TH and TC indicators to assure availability without repairs from the remote shutdown panel.
1SC-00085A	Reactor Vessel	This design change modified the Reactor Vessel studs to receive Biach quick disconnect stud tensioners.

* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH FEBRUARY 1989

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

*DCR	SAFETY EVALUATION 10 CFR 50.59
1EC-01558A	This design change upgraded the reliability of the Source/Power range indications. 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.
1EC-01890	This design change upgrade the reliability and availability of the TH and TC indication. 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.
1SC-00085A	This design change modified the studs to allow use of the new quick-disconnect stud tensioners. 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
FEBRUARY 1989

SALEM UNIT NO. 1

The Unit began the month operating at full power and continued to operate at full power until February 6, 1989, when the reactor tripped during a channel functional test. While the Unit was shutdown corrective maintenance was performed on the main steam isolation valve indications. The Unit was returned to full power operation on February 15, 1989, and continued to operate at full power until February 22, 1989, when it was removed from service to repair a component cooling leak on No. 13 Reactor Coolant Pump. With the leak repaired, the Unit was returned to full power on February 26, 1989, and continued to operate at full power throughout the remainder of the period.

REFUELING INFORMATION

COMPLETED BY: P. White

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

Month FEBRUARY 1989

1. Refueling information has changed from last month:
   YES X NO ____

2. Scheduled date for next refueling: April 15, 1989

3. Scheduled date for restart following refueling: May 29, 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? March 1989

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

6. Important licensing considerations associated with refueling:
   NONE

7. Number of Fuel Assemblies:
   A) Incore 193
   B) In Spent Fuel Storage 512

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

8-1-7.R4

PSE&G

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

Salem Generating Station

March 15, 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 February 1989 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

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1/1

The Energy People