PSE&G

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

Salem Generating Station

April 13, 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 March 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

IE24
1/1

The Energy People

8904190227

AVFRAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
Unit Name Salem # 1
Date 4-06-89
Telephone 609-935-6000
Extension 4451

Completed by Art Orticelle

Month MARCH 1989

Day	Average Daily Power Level (MWe-NET)	Day	Average Daily Power Level (MWe-NET)
1	1068	17	1106
2	1081	18	1082
3	1104	19	1114
4	1084	20	1090
5	1093	21	968
6	1100	22	968
7	1084	23	968
8	1093	24	0
9	1085	25	0
10	1101	26	0
11	1098	27	0
12	1106	28	0
13	1080	29	0
14	1108	30	0
15	1084	31	0
16	1096		

IE24
1/1

OPERATING DATA REPORT

Docket No .50-272
Date: 4-06-89
Telephone: 935-6000
Extension: 4451

Completed by Pell White

Operating Status

1.	Unit Name	Salem No. 1	Notes
2.	Reporting Period	March 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	744	2160	103033
12. No. of Hrs. Reactor was Critical	547.75	1862.33	66494.53
13. Reactor Reserve Shutdown Hrs.	0	0	0
14. Hours Generator On-Line	547.44	1811.75	64447.65
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1855636.8	6106848	201543640.4
17. Gross Elec. Energy Generated (MWH)	618650	2039200	66986380
18. Net Elec. Energy Generated (MWH)	589690	1949124	63755239
19. Unit Service Factor	73.6	83.9	62.6
20. Unit Availability Factor	73.6	83.9	62.6
21. Unit Capacity Factor (using MDC Net)	71.7	81.6	55.9
22. Unit Capacity Factor (using DER Net)	71.1	80.9	55.5
23. Unit Forced Outage Rate	15.5	9.4	22.0

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

NONE

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

Refueling outage lasting approximately 58 days startup May 24, 1989.

UNIT SHUTDOWN AND POWER REDUCTIONS
REPORT MONTH MARCH 1989

Docket No. 50-272
Unit Name Salem No.1
Date 4-06-89
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
0068	3-22-89	F	5.58	F	5	------	HH	HTEXCH	CONDENSER TUBE WATER BOX CLEAN
0069	3-23-89	F	100.58	F	2	------	EB	TRANSF	PHASE A AND C MAIN POWER TRANSFORMERS
0071	3-28-89	S	95.98	C	4	------	CA	VESSEL	NUCLEAR REACTOR OVERHAUL
0071	3-28-89	S	95.98	C	4	------	HA	GENERA	GENERATOR MAJOR OVERHAUL
0071	3-28-89	S	95.98	C	4	------	HA	TURBIN	MAJOR TURBINE OVERHAUL

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
870815152	1	11DA14C(SV-891) FAILURE DESCRIPTION: 1CDG START AIR MOTOR SV/REPLACE.
871028116	1	12CS48 FAILURE DESCRIPTION: AA45 FAILED LEAK RATE TEST/OPEN AND INSPECT VALVE INTERNALS. REPAIR OR REPLACE AS NEEDED.
880801162	1	1C DIESEL FAILURE DESCRIPTION: 5R CYL. JACKET WATER INLET IS LEAKING AT THE TRIANGLE FITTING.
880824076	1	#12 AUX EXH FAN FAILURE DESCRIPTION: SHEAVE WORN OUT/REPLACE WITH NEW ONE.
881129125	1	13 CHG. PUMP FAILURE DESCRIPTION: SUCTION STABILIZER/BLADDER LEAK/REWORK.
890131111	1	14MS10 FAILURE DESCRIPTION: MN STM VLV/NOT CLOSING/TROUBLESHOOT.

SALEM UNIT 1

WO NO	UNIT	EQUIPMENT IDENTIFICATION
890301222	1	1WR81
		FAILURE DESCRIPTION: FAILED THE 4.0.5-V-MISC-1/REWORK AA-42.
890306149	1	FA5753
		FAILURE DESCRIPTION: 13 AFP IND/ERRONEOUS IND/INVESTIGATE.
890315129	1	1WG38 WST GAS VALVE
		FAILURE DESCRIPTION: NO BACKPRESS CONTROL/REWORK.
890317118	1	13 AUX FEED PUMP
		FAILURE DESCRIPTION: AUX FEED WATER PUMP START INDICATION/DOES NOT LIGHT/TROUBLESHOOT.
890821005	1	11ESD
		FAILURE DESCRIPTION: BKR FAIL 24 MO PM/RELAY DEPT TO DO 2 YR PM ON 11 11ESD BKR FAIL RELAYS.

MAJOR PLANT MODIFICATIONS
REPORT MONTH MARCH 1989

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

*DCR NO.	PRINCIPAL SYSTEM	DESCRIPTION
1SC-1189	Various	This design change replaced various obsolete ASCO solenoid valves with new HC coil type valves. The new valves are identified on the solenoid valve equipment list as acceptable replacements to be used.

* DCR - Design Change Request

MAJOR PLANT MODIFICATIONS
REPORT MONTH MARCH 1989

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

*DCR	SAFETY EVALUATION 10 CFR 50.59
1SC-1189	This design change replaced obsolete solenoid valves with similar valves of an upgraded type. 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
MARCH 1989

SALEM UNIT NO. 1

The Unit began the month operating at full power and continued to operate at essentially full power until March 22, 1989, when the power was reduced to 60%, as a precautionary measure, while technicians cleared a steam generator feed pump vacuum sensing line. On March 23, 1989, the Unit was briefly restored to full power, however, it was removed from service later the same day due to the discovery of an accumulation of combustible gases in phase "A" of the main power transformer. An internal inspection of the transformer revealed that the long series connector on the low voltage side was partially burned. Because of the time required to repair or replace the transformer, the start of the refueling outage was moved from April 15, 1989 to March 28, 1989.

REFUELING INFORMATION

COMPLETED BY: P. White

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

Month MARCH 1989

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

2. Scheduled date for next refueling: March 28, 1989

3. Scheduled date for restart following refueling: May 24, 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? April 1989

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

6. Important licensing considerations associated with refueling:
   NONE

7. Number of Fuel Assemblies:
   A) Incore 193
   B) In Spent Fuel Storage 518

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