

OPERATING DATA REPORT

Docket No. 50-272
 Date February 10, 1986
 Telephone 935-6000
 Extension 4455

Completed by Pell White

Operating Status

1. Unit Name	Salem No. 1	Notes
2. Reporting Period	January 1986	
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

	This Month	Year to Date	Cumulative
11. Hours in Reporting Period	744	744	75313
12. No. of Hrs. Reactor was Critical	711.2	711.2	44896.6
13. Reactor Reserve Shutdown Hrs.	0	0	3088.4
14. Hours Generator On-Line	686.8	686.8	43191.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2462446	2262446	132746475
17. Gross Elec. Energy Generated (MWH)	753120	753120	44049130
18. Net Elec. Energy Generated (MWH)	722106	722106	41827598
19. Unit Service Factor	92.3	92.3	57.3
20. Unit Availability Factor	92.3	92.3	57.3
21. Unit Capacity Factor (using MDC Net)	90.1	90.0	51.5
22. Unit Capacity Factor (using DER Net)	89.0	89.0	51.0
23. Unit Forced Outage Rate	7.7	7.7	28.4

24. Shutdowns scheduled over next 6 months (type, date and duration of each)
Refueling, March 20, 1986, approximately 60 days

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

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

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

8602180316 860131
 PDR ADOCK 05000272
 R PDR

TC24
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AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-272
 Unit Name Salem # 1
 Date February 10, 1986
 Telephone 609-935-6000
 Extension 4455

Completed by Pell White

Month January 1986

Day Average Daily Power Level
(MWe-NET)

Day Average Daily Power Level
(MWe-NET)

1	<u>1078</u>	17	<u>0</u>
2	<u>1080</u>	18	<u>620</u>
3	<u>1077</u>	19	<u>1081</u>
4	<u>1077</u>	20	<u>1071</u>
5	<u>1074</u>	21	<u>1081</u>
6	<u>1080</u>	22	<u>1079</u>
7	<u>1080</u>	23	<u>1073</u>
8	<u>1060</u>	24	<u>1078</u>
9	<u>976</u>	25	<u>1081</u>
10	<u>1041</u>	26	<u>1074</u>
11	<u>1040</u>	27	<u>1084</u>
12	<u>995</u>	28	<u>1048</u>
13	<u>1075</u>	29	<u>1090</u>
14	<u>1065</u>	30	<u>1065</u>
15	<u>1053</u>	31	<u>478</u>
16	<u>270</u>		

UNIT SHUTDOWN AND POWER REDUCTIONS
 REPORT MONTH January 1986

Docket No. 50-272
 Unit Name Salem No.1
 Date February 10, 1986
 Telephone 609-935-6000
 Extension 4455

Completed by Pell White

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
068	0112	F	2.2	A	5	-	WA	HTEXCH	Condenser Tube & Water Box Claning
100	0116	F	26.0	A	3	-	EB	CKTBRK	4160 Volt Protection Devices
102	0117	F	18.1	A	4	-	HA	VALVEX	Main Stop Valves Turbine
144	0131	F	13.1	A	3	-	CH	VALVEX	Feedwater Regulating Boiler level control Valve

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 Prepara-
 tion of Data
 Entry Sheets
 for Licensee
 Event Report
 (LER) File
 (NUREG 0161)

5 Exhibit 1
 Salem as
 Source

MAJOR PLANT MODIFICATIONS
REPORT MONTH JANUARY 1986

DOCKET NO.: 50-272
UNIT NAME: Salem 1
DATE: February 10, 1986
COMPLETED BY: J. Ronafalvy
TELEPHONE: 609/339-4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
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No major modifications completed this month.

*DCR - Design Change Request

PSE&G SALEM GENERATING STATION
SAFETY RELATED WORK ORDER LOG

SALEM UNIT 1

WO NO DEPT UNIT EQUIPMENT IDENTIFICATION

0099074630

1 BAT FILTER

FAILURE DESCRIPTION: U/1 BORIC ACID TRANSFER FILTER IS CREATING RADIOLOGICAL PROBLEM AT THE ENTRANCE TO U/1 DIESELS. DOSE RATES SHOW A HIGH RADIATION.

CORRECTIVE ACTION: REMOVED OLD FILTER. INSTALLED NEW FILTER

8410280400

1 11CS11 VALVE

better | FAILURE DESCRIPTION: THE VALVE IS LEAKING BORATED WATER. LEAK IS LOCATED ABOVE THE SCHROUD ON THE DISCHARGE SIDE.

CORRECTIVE ACTION: REPACKED VALVE.

8509180261

1 12 WASTE GAS COMPRESSOR

FAILURE DESCRIPTION: MECHANICAL SEAL LEAK.

CORRECTIVE ACTION: REPLACES SEAL

SALEM UNIT 1

WO NO DEPT UNIT EQUIPMENT IDENTIFICATION

8511110208

1 1-A D/G

FAILURE DESCRIPTION: WRITTEN TO COVER FAILED RETEST OF W/O 8506281369.
OIL IS STILL LEAKING FROM R-1 & R-4.

CORRECTIVE ACTION: REPLACED PUMP GASKETS & INJECTION FIRE PORT GASKETS;
TIGHTENED ALL FITTINGS.

8511190015

1 FEEDER BKR FOR RC19-3

FAILURE DESCRIPTION: WITH 1BDE2AX11 OPEN THE 1RC19-3 CABINET REMAINS
ENERGIZED. THIS IS EVIDENCED BY A LOSS OF 1E5D
CONSOLE INDICATION WHEN 1RC19-3-9S IS OPEN.

CORRECTIVE ACTION: FOUND WIRING ERROR IN CABINET RESOLDERED WIRES TO
CORRESPOND TO PRINT FOR CABINET ON 218515.

8601020151

1 14 S/G PRESS

FAILURE DESCRIPTION: 14 LOOP PRESSURE CHANNEL HAS AC NOISE FOUND DURING
CHANNEL CAL. SURVEILLANCE. REWORK AS NECESSARY.

CORRECTIVE ACTION: REPLACED CAPS C2, C3, C4, C6, C7, C8, AND C9 IN
IN PM-545A. ADJUSTED TO SPEC.

SALEM UNIT 1

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
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8601130011

1 12 BAT PUMP

FAILURE DESCRIPTION: PUMP EXPERIENCED EXCESSIVE SEAL LEAKAGE AND THE SEALS WERE SMOKING.

CORRECTIVE ACTION: INSTALLED PUMP & SET NEW MECH SEAL.

8601180019

1 STATUS LIGHTS

FAILURE DESCRIPTION: PLEASE TROUBLE SHOOT ERRONEOUS HIGH FLUX TRIP INDICATION.

CORRECTIVE ACTION: FOUND DIODE ON STATUS PANEL FOR 1N42 25% TRIP SHORTED. REPLACED DIODE ASSEMBLY. STATUS PANEL INDICATIONS RETURNED TO NORMAL. 1N42 REMOVED FROM OPERATION DURING REPAIR.

SALEM GENERATING STATION
MONTHLY OPERATING SUMMARY - UNIT NO. 1
JANUARY 1986

SALEM NO. 1

The Unit began the period operating at full power. On 1/09/86 at 1515 hours, power was reduced to 82% to remove a buildup of river grasses on the Traveling Screens. Power was restored to 100% at 0450 on 1/10/86. On 1/16/86 at 0638 hours, the Unit tripped as a result of "High Negative Flux Rate on the 4/4 NI Channels". This was caused by the insertion of Shutdown Banks "C" and "D" as a result of a faulty backup power supply in the Rod Control Cabinet coincident with the inadvertent loss of 1A Vital Bus. Upon completion of investigations and repairs, the unit was synchronized with the grid on 1/18/86 at 0246 hours and was returned to full power operation. On 1/31/86 at 1053 hours the Unit tripped due to Steam Flow/Feed Flow mismatch in #11 Steam Generator (i.e., Low Steam Generator Level with Low Feed Flow) as a result of partial closure of valve 11BF19 (Steam Generator Feed Water Control Valve). The Unit was returned to service on 2/02/86 at 2157 hours.

REFUELING INFORMATION

COMPLETED BY: J. Ronafalvy DOCKET NO.: 50-272
 UNIT NAME: Salem 1
 DATE: February 10, 1986
 TELEPHONE: 609/935-6000
 EXTENSION: 4455

Month January 1986

1. Refueling information has changed from last month:
 YES _____ NO X
2. Scheduled date for next refueling: March 22, 1986
3. Scheduled date for restart following refueling: May 20, 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 X
 If no, when is it scheduled? February 1986
5. Scheduled date(s) for submitting proposed licensing action:
February 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



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

Salem Generating Station

February 10, 1986

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 January 1986 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,

A handwritten signature in cursive script, appearing to read "J. M. Zupko, Jr.".

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

JR:kcb

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
8-1-7.R4