

# AVERAGE DAILY UNIT POWER LEVEL

Completed by L. K. Miller

Docket No. 50-311  
 Unit Name Salem # 2  
 Date April 10, 1983  
 Telephone 609-935-6000  
 Extension 4455

Month March 1983

Day Average Daily Power Level  
 (MWe-NET)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>

Day Average Daily Power Level  
 (MWe-NET)

16	<u>0</u>
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

Pg. 8,1-7 R1

8304180327 830410  
 PDR ADOCK 05000311  
 R PDR

# OPERATING DATA REPORT

Docket No. 50-311  
 Date April 10, 1983  
 Telephone 935-6000  
 Extension 4455

Completed by L. K. Miller

## Operating Status

1. Unit Name	<u>Salem No. 2</u>	<u>Notes</u>
2. Reporting Period	<u>March 1983</u>	
3. Licensed Thermal Power (MWt)	<u>3411</u>	
4. Nameplate Rating (Gross MWe)	<u>1162</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) 0

10. Reasons for Restrictions, if any REFUELING OUTAGE

	<u>This Month</u>	<u>Year to Date</u>	<u>Cumulative</u>
11. Hours in Reporting Period	<u>744</u>	<u>2160</u>	<u>12866</u>
12. No. of Hrs. Reactor was Critical	<u>0</u>	<u>470.3</u>	<u>10925.9</u>
13. Reactor Reserve Shutdown Hrs.	<u>0</u>	<u>3.3</u>	<u>38.9</u>
14. Hours Generator On-Line	<u>0</u>	<u>459.4</u>	<u>10796.6</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>1109383.2</u>	<u>31625932.2</u>
17. Gross Elec. Energy Generated (MWH)	<u>0</u>	<u>257340</u>	<u>10273590</u>
18. Net Elec. Energy Generated (MWH)	<u>(2283)</u>	<u>231769</u>	<u>9805416</u>
19. Unit Service Factor	<u>0</u>	<u>21.3</u>	<u>83.9</u>
20. Unit Availability Factor	<u>0</u>	<u>21.3</u>	<u>83.9</u>
21. Unit Capacity Factor (using MDC Net)	<u>0</u>	<u>9.7</u>	<u>68.9</u>
22. Unit Capacity Factor (using DER Net)	<u>0</u>	<u>9.6</u>	<u>68.4</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>8.6</u>	<u>3.5</u>
24. Shutdowns scheduled over next 6 months (type, date and duration of each)			

Refueling Outage, January 22, 1983, 18 weeks

25. If shutdown at end of Report Period, Estimated Date of Startup:  
May 9, 1983

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

	<u>Forecast</u>	<u>Achieved</u>
Initial Criticality	<u>6/30/80</u>	<u>8/2/80</u>
Initial Electricity	<u>9/1/80</u>	<u>6/3/81</u>
Commercial Operation	<u>9/24/81</u>	<u>10/31/81</u>

8-1-7.R2

UNIT SHUTDOWN AND POWER REDUCTIONS  
REPORT MONTH March 1983

Docket No. 50-311  
Unit Name Salem No.2  
Date April 10, 1983  
Telephone 609-935-6000  
Extension 4455

Completed by L.K. Miller

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
83-046	1/21	S	1657.6	C	4	---	HA	GENERA	Generator Maj Overhaul (Gen Overhaul items)
83-046	1/21	S	1657.6	C	4	---	HA	TURBIN	Major Turbine Overhaul (Gen Overhaul items)
83-046	1/21	S	1657.6	C	4	---	HC	HTEXCH	Misc Major Condenser Overhaul
83-046	1/21	S	1657.6	C	4	---	CA	FUELXX	Nuclear Normal Refueling

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 MARCH 1983DOCKET NO: 50-311UNIT NAME: Salem 2DATE: APRIL 10, 1983COMPLETED BY: L.K. MillerTELEPHONE: 609/935-6000 X4455

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0686	Waste Disposal Liquid	Increase the size of refueling canal drain valve and install.
2EC-0813	SWS and CP - VRS	Add break flanges at No. 21, 22, 23, 24 and 25 motor units; Modify front and rear access openings and plates.
2EC-0865	Condensate	Replace condensate pump bearing with new split type.
2ET-0938A	Circulating Water	Add Apollo Tech pump house.
2EC-1378	Safeguard Emergency Control	Install modified chassis into the SEC cabinets.
2SC-0439	Manipulator Crane	Purchase and install modification kit to change existing gripper operation of air to disengage and gravity to engage to dual cylinder air to engage and discharge.
2SC-0750	Steam Generator Alarm	High steam generator blowdown cation conductivity alarm, change from 2.0 micromhos to 0.8 micromhos; Low steam generator blowdown pH, change from 8.4 to 8.5; Steam generator inlet high dissolved oxygen alarm change from 20% of range to 5 ppb.

\* DESIGN CHANGE REQUEST  
8-1-7.R1

MAJOR PLANT MODIFICATIONS  
REPORT MONTH MARCH

DOCKET NO.: 50-311  
UNIT NAME: Salem 2  
DATE: April 10, 1983  
COMPLETED BY: L.K. Miller  
TELEPHONE: 609/935-6000 X4455

*DCR NO.	10CFR50.59	SAFETY EVALUATION
2EC0686	This change does not in any way affect the safe shutdown of the plant. No unreviewed safety questions are involved.	
2EC0813	This change does not alter the original design concept of the service water system. No unreviewed safety questions are involved.	
2EC0865	This design does not affect any safety related components or systems. No unreviewed safety or environmental questions are involved.	
2ET0938A	This change does not affect plant safety functions margin or operation. No unreviewed safety or environmental questions are involved.	
2EC1378	This change will improve the noise immunity of the electronics. No unreviewed safety or environmental questions are involved.	
2SC0439	Changing the method of gripping does not affect the logic of the existing safety features nor increase the possibility of dropping the fuel assembly because existing interlocks will not be affected. No unreviewed safety or environmental questions are involved.	
2SC0750	The setpoints do not enter into the logic for the basis of any of the Technical Specifications. No unreviewed safety or environmental questions are involved.	

\* Design Change Request

P S E & G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

---

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

---

905535	M	2	VALVE, 2CV57
--------	---	---	--------------

FAILURE DESCRIPTION: VALVE LEAKS BY. 820813.

CORRECTIVE ACTION: REPLACED BONNET, SPINDLE AND DIAPHRAM. 830304.

---

909767	M	2	HEAT EXCHANGER, 22CC
--------	---	---	----------------------

FAILURE DESCRIPTION: TUBE LEAKS IN HEAT EXCHANGER. 821112.

CORRECTIVE ACTION: PLUGGED TUBE 47 ROW 16. 821122.

---

910076	M	2	VALVE, 2CV50
--------	---	---	--------------

FAILURE DESCRIPTION: VALVE LEAKS THROUGH. 821215.

CORRECTIVE ACTION: REPLACED VALVE IAW DCP 2EC-1560 PKG 1 REV3 ODCN M6/O. 821219.

---

919611	M	2	VALVE, 24SW24
--------	---	---	---------------

FAILURE DESCRIPTION: SAUNDERS VALVE HAS LEAKING DIAPHRAM. 821228.

CORRECTIVE ACTION: REPLACE VALVE. 830112.

---

927352	M	2	VALVEOP, 2CV40
--------	---	---	----------------

FAILURE DESCRIPTION: REMOVE MOTOR/BRAKE FROM 2CV40 FOR USE ON NO. 1 UNIT. REPLACE WITH MOTOR/BRAKE FROM NO. 1 UNIT WHEN REPAIRED.

CORRECTIVE ACTION: REMOVED MOTOR AND BRAKE AND REPLACED WITH NEW MOTOR AND BRAKE.

---

930855	M	2	EMERG. DIESEL, #2C
--------	---	---	--------------------

FAILURE DESCRIPTION: WHILE RUNNING DIESEL FOR MONTHLY SURVEILLANCE, OPERATOR REPORTED CRANKCASE BLOWER FAILURE ALARM CONSTANTLY IN ALARM. 821217.

CORRECTIVE ACTION: DAMPERS ONLY OPENING 25% CAUSING A VACUUM IN DIESEL ROOM AND ACTIVATING CRANKCASE PRESSURE DEVICE. 83113

P S E & G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

---

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

---

919972	P	2	RMS 2R18
--------	---	---	----------

FAILURE DESCRIPTION: BATTERIES FOUND DEFECTIVE DURING CALIBRATION PROCEDURES.

CORRECTIVE ACTION: REPLACED DEFECTIVE LEAKING BATTERIES WITH NEW ONES. 821220.

---

930535	P	2	RWST LEVEL CH D
--------	---	---	-----------------

FAILURE DESCRIPTION: CHANNEL INDICATING 1FT LOWER THAN OTHER CHANNEL AND LOCAL INDICATOR.

CORRECTIVE ACTION: RECALIBRATED TRANSMITTERS FOR BOTH CHANNEL AND STILL HAVE 6 INCH DIFF.  
RECALIBRATED TRANSMITTERS WITH READINGS TAKEN IN CONTROL ROOM. INDICATION  
SAT. 821129.

---

930611	P	2	STEAM FLOW, 23S/G CH2
--------	---	---	-----------------------

FAILURE DESCRIPTION: INDICATION HIGH

CORRECTIVE ACTION: REPLACED ROSEMONT TRANSMITTER S/N 153033 WITH S/N 157299.

---

930674	P	2	LEVEL, 21 S/G CH2
--------	---	---	-------------------

FAILURE DESCRIPTION: CONTROLLING LEVEL CH2 FAILED HIGH.

CORRECTIVE ACTION: REMOVED CHANNEL FROM SERVICE WHILE MAINT DEPT REPACKED 21FW23. FUNCTIONAL  
SAT.

---

930710	P	2	STEAM PRESS, 22S/G CH3
--------	---	---	------------------------

FAILURE DESCRIPTION: CHANNEL FOUND OUT SPEC.

CORRECTIVE ACTION: REPLACED CAPACITORS C2 & C3 IN COMPARATOR 2PC526/D POWER SUPPLY. FUNCTIONAL  
SAT.

---

930816	P	2	CONT. PERS. AIR LOCK EL. 100
--------	---	---	------------------------------

FAILURE DESCRIPTION: SEAL LEAK ON INNER DOOR 100 EL AIR LOCK.

CORRECTIVE ACTION: REPOSITIONED DOOR SEAL IN RETAINING GROOVE.

P S E & G SALEM GENERATING STATION  
SAFETY RELATED WORK ORDER LOG

SALEM UNIT NO. 2

---

WO NO	DEPT	UNIT	EQUIPMENT IDENTIFICATION
-------	------	------	--------------------------

---

930840	P	2	PUMP, 23 AUX. FEED
--------	---	---	--------------------

FAILURE DESCRIPTION: EXCESSIVE HUNTING AT 3500 RPM.

CORRECTIVE ACTION: INSTALLED NEW SLEEVE BUSHING ON LINKAGE. ADJUSTED WOODWARD GOVERNOR.

---

930845	P	2	VALVE, 21AF21
--------	---	---	---------------

FAILURE DESCRIPTION: STROKE TIME IS EXCESSIVE FOR T/S SURVEILLANCE. PREVIOUS TIME 13 SEC. PRESENT TIME 19 SEC.

CORRECTIVE ACTION: PACKING HAD BEEN TIGHTENED DOWN, SLOWING ACTION OF VALVE. ADJUSTED LIMIT SWITCH TO OBTAIN PROPER ACTION OF INDICATOR.



SALEM UNIT 2  
OPERATIONS SUMMARY REPORT  
MARCH 1983

The First Refueling Outage of Salem Unit No. 2 commenced on January 21st, and has continued through the months of February and March.

# REFUELING INFORMATION

COMPLETED BY: L.K. Miller      DOCKET NO.: 50-311  
UNIT NAME: Salem 2  
DATE: April 10, 1983  
TELEPHONE: 609/935-6000  
EXTENSION: 4455

Month April 1983

1. Refueling information has changed from last month:  
YES X      NO
2. Scheduled date for next refueling: March 31, 1984
3. Scheduled date for restart following refueling: June 10, 1984
4. A) Will Technical Specification changes or other license  
amendments be required?  
YES             NO         
NOT DETERMINED TO DATE 4/1/83
- B) Has the reload fuel design been reviewed by the Station  
Operating Review Committee?  
YES             NO X  
If no, when is it scheduled? February 1984
5. Scheduled date(s) for submitting proposed licensing action:  
March 1984 (if required)
6. Important licensing considerations associated with refueling:  
NONE
7. Number of Fuel Assemblies:  
A) Incore 193  
B) In Spent Fuel Storage 72
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: March 2000

8-1-7.R4