

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-311

UNIT Salem #2

DATE September 10, 1981

COMPLETED BY L.K. Miller

TELEPHONE 609-365-7000 X507

MONTH August 1981

## DAY AVERAGE DAILY POWER LEVEL (MWe-NET)

1	637
2	707
3	686
4	723
5	618
6	706
7	749
8	754
9	762
10	62
11	441
12	686
13	877
14	956
15	1047
16	1074

## DAY AVERAGE DAILY POWER LEVEL (MWe-NET)

17	898
18	898
19	1041
20	1055
21	1058
22	938
23	263
24	1070
25	1091
26	903
27	1073
28	1063
29	605
30	303
31	70

# OPERATING DATA REPORT

DOCKET NO.: 50-311

DATE : September 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

## OPERATING STATUS

1. Unit Name: Salem #2
2. Reporting Period: August 1981
3. Licensed Thermal Power (Mwt): 3411
4. Nameplate Rating (Gross MWe): 1162
5. Design Electrical Rating (Net MWe): 1115
6. Maximum Dependable Capacity (Gross MWe): 1149
7. Maximum Dependable Capacity (Net MWe): 1104
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason:  
NONE

Notes:

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: N/A

	This Month	Year to Date	Cumulative
11. Hours In Reporting Period	744	5,831	12,000
12. Number Of Hours Reactor Was Critical	704.4	1,767.5	2,035
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	690.4	1,310.3	1,310.3
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,906,942	2,722,099	2,722,099
17. Gross Electrical Energy Generated (MWH)	602,220	805,820	805,820
18. Net Electrical Energy Generated (MWH)	571,566	737,304	737,304
19. Unit Service Factor	0.0	0.0	0.0
20. Unit Availability Factor	0.0	0.0	0.0
21. Unit Capacity Factor (Using MDC Net)	0.0	0.0	0.0
22. Unit Capacity Factor (Using DER Net)	0.0	0.0	0.0
23. Unit Forced Outage Rate	0.0	0.0	0.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>NONE</u>			

25. If Shut Down At End of Report Period, Estimated Date of Startup: N/A

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

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
06/30/80	08/02/80
09/01/80	06/03/81
09/24/81	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1981DOCKET NO.: 50-311UNIT NAME: Salem #2DATE: September 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 609-365-7000 X507

NO.	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON <sup>2</sup>	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE <sup>4</sup>	COMPONENT CODE <sup>5</sup>	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
									N/A

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
Reason:  
A-Equipment Failure(Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
G-Operational Error(Explain)  
H-Other (Explain)

<sup>3</sup>  
Method:  
1-Manual  
2-Manual Scram.  
3-Automatic Scram.  
4-Continuation of  
Previous Outage  
5-Load Reduction  
6-Other

<sup>4</sup>  
Exhibit G - Instructions  
for Preparation of Data  
Entry Sheets for Licensee  
Event Report(LER) File  
(NURRG-0161)

<sup>5</sup>  
Exhibit I-Same  
Source

MAJOR PLANT MODIFICATIONS  
REPORT MONTH August 1981

DOCKET NO: 50-311  
UNIT NAME: Salem 2  
DATE: September 10, 1981  
COMPLETED BY: L.K. Miller  
TELEPHONE: 609-365-7000 X507

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0520	Service Water	Replace Cooler on 26 SW Motor
2EC-0642	Fuel Handling	Replace the Existing Spent Fuel Storage Rack
2EC-0652A	Service Water	Modify Travelling Water Screen Housing
2EC-1229	Main Steam	Add a Time Delay Circuit to MS167
2EC-1274	Feedwater	Modification to Main Feedwater Pump Speed Control
2SC-0394	Reactor Coolant	Change RCP Seal Leakoff $\Delta P$ Alarm Setpoint
2SC-0500	Containment Spray	Replace 2CS12 and 2CS13 Vacuum Breakers with Johnson Corp.

REPORT MONTH August 1981

TELEPHONE: 609-365-7000 X507

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SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 09/08/81  
PAGE 0001

WORK  
ORDER  
NUMBER DEPT EQUIPMENT IDENTIFICATION EXPLANATION OF WORK PERFORMED

409841 M FUEL TRANSFER SYS

DESCRIPTION OF PROBLEM, RUST DEPOSITS ON FUEL TROLLEY LIMIT SWITCH  
CONDUIT WELD JOINTS

CORRECTIVE ACTION, REMOVED RUST DEPOSITS WITH 800 BRUSH

937533 M 22RC20, VALVE

DESCRIPTION OF PROBLEM, REPACK VALVE

CORRECTIVE ACTION, REPACKED VALVE

937723 M 2CV165, VALVE

DESCRIPTION OF PROBLEM, BONNET LEAKS

CORRECTIVE ACTION, REPLACED DIAPHRAGM

937816 M 22 CHILLER RECIRC PUMP

DESCRIPTION OF PROBLEM, SEAL LEAKING BADLY ON PUMP

CORRECTIVE ACTION, REPLACED MECHANICAL SEAL

940154 M 23 SERVICE WATER PUMP

DESCRIPTION OF PROBLEM, STRAINER PACKING LEAKS EXCESSIVELY

CORRECTIVE ACTION, REPLACED PACKING

940190 M 23RC23, VALVE

DESCRIPTION OF PROBLEM, REPACK VALVE

CORRECTIVE ACTION, TIGHTENED PACKING

940465 M 2A DIESEL GEN

DESCRIPTION OF PROBLEM, PRE-LUBE OIL HTR FAILURE ALARM WILL NOT  
CLEAR



SORTED BY  
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SALEM GENERATING STATION  
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WORK  
ORDER

NUMBER DEPT EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION,

REPLACED 115V CIRCUIT FUSE

940539 M 23 CHARGING PUMP

DESCRIPTION OF PROBLEM,

PUMP HAS LEAKAGE AROUND PISTON SEALS

CORRECTIVE ACTION,

REPACKED TWO PISTON CYLINDERS

940641 M 2A DIESEL

DESCRIPTION OF PROBLEM,

URGENT TROUBLE ALARM WILL NOT CLEAR

CORRECTIVE ACTION,

REPAIRED WIRE ON GENERATOR

940689 M AUX EQUIP CABINET

DESCRIPTION OF PROBLEM,

FUSE INDICATORS HAVE BEEN VANDALIZED

CORRECTIVE ACTION,

REPLACED FUSE HOLDERS

941556 M 21 SERVICE WATER PUMP

DESCRIPTION OF PROBLEM,

PUMP PACKING LEAKS

CORRECTIVE ACTION,

REPACKED PUMP

942281 M 2W11 VALVE

DESCRIPTION OF PROBLEM,

REWORK VALVE

CORRECTIVE ACTION,

REPLACED DIAPHRAGM

943202 M 2C DIESEL PRELUBE PUMP

DESCRIPTION OF PROBLEM,

DIESEL DOES NOT WORK

CORRECTIVE ACTION,

REPLACED MOTOR

943383 M 2D24 VALVE

DESCRIPTION OF PROBLEM,

STEM AND COLLAR TURNING, UNABLE TO CLOSE VALVE

SALEM GENERATING STATION  
SORTED BY DEPARTMENT, WORK ORDER NO. SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 09/08/81  
PAGE 0003

WORK ORDER NUMBER DEPT EQUIPMENT IDENTIFICATION EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION, INSTALLED NEW DIAPHRAGM

943356 M 22 SERVICE WTR PMP

DESCRIPTION OF PROBLEM, STRAINER WILL NOT RUN

CORRECTIVE ACTION, REPLACED 6X22 RELAY IN 361-2A IN  
SCREENWATER WASH CONTROL PNL, REPLACED  
SHORTED SV-260 SOLENOID VALVE COIL

943374 M 21 SERVICE WATER PUMP

DESCRIPTION OF PROBLEM, PUMP MOTOR UPPER BRG RUNNING HOT

CORRECTIVE ACTION, DISASSEMBLED MOTOR COOLER DISCHARGE CHECK  
VALVE AND CLEANED OUT SILT WHICH WAS  
CLOGGING VALVE

943715 M 26 SERVICE WATER PUMP

DESCRIPTION OF PROBLEM, NOISY OPERATION WHEN IN SERVICE

CORRECTIVE ACTION, INSTALLED NEW IDLER SIDE HEADSHAFT BEARING

944807 M 22 BORIC ACID STORAGE TANK

DESCRIPTION OF PROBLEM, BOTH HEATERS ARE LEAKING BORIC ACID AT  
FLANGE

CORRECTIVE ACTION, REPLACED BOTH HEATERS

944960 M 22SW155, VALVE

DESCRIPTION OF PROBLEM, VALVE IS LEAKING THRU

CORRECTIVE ACTION, INSTALLED NEW DIAPHRAGM



SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 09/  
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WORK  
ORDER

NUMBER DEPT EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

945477 M 2CV70, VALVE

DESCRIPTION OF PROBLEM, VALVE LEAKS AT PACKING

CORRECTIVE ACTION, TIGHTENED PACKING

946758 M 22 CHARGING PMP LUBE OIL SYS

DESCRIPTION OF PROBLEM, COUPLE IS LEAKING

CORRECTIVE ACTION, REPLACED O UNION

946765 M 23 SERVICE WATER PUMP

DESCRIPTION OF PROBLEM, EXCESSIVE LEAKAGE FROM PUMP G AND

CORRECTIVE ACTION, REPACKED PUMP

946856 M 22 FAN COIL UNIT

DESCRIPTION OF PROBLEM, MOTOR COOLER LEAK OF 1 GPM

CORRECTIVE ACTION, REPLACED MOTOR COOLER UNIT

946859 M 23 CHILLER SERVICE WTR LINE

DESCRIPTION OF PROBLEM, 1/8 IN. HOLE IN WELD

CORRECTIVE ACTION, PAD WELDED HOLE

946892 M AIRLOCK ELEV. 100

DESCRIPTION OF PROBLEM, AIRLOCK DOOR SEALS HAVE EXCESSIVE LEAKAGE

CORRECTIVE ACTION, ADJUSTED INNER DOOR SEALS, FLIPPED OUTER  
DOOR SEALS

946902 M 2A DIESEL GENER

DESCRIPTION OF PROBLEM, 21A AND 21B CRANKCASE BLOWERS WILL NOT  
RUN

SORTED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 09/08/81  
PAGE 0005

WORK  
ORDER

NUMBER DEPT EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION,

REPLACED SWITCH ON ENGINE VIBRATION COIL

946911 M 28V BATTERY CHARGER

DESCRIPTION OF PROBLEM,

CHARGING CURRENT DID NOT PICKUP WHEN  
CHARGER WAS PLACED IN SERVICE

CORRECTIVE ACTION,

RESET HIGH VOLTAGE SHUTDOWN SWITCH

946949 M 26 SERVICE WTR PMP MOTOR

DESCRIPTION OF PROBLEM,

WATER MIXED IN WITH PUMP MOTOR OIL

CORRECTIVE ACTION,

SENT MOTOR TO BE REPAIRED

947251 M 2C DIESEL GEN

DESCRIPTION OF PROBLEM,

URGENT TROUBLE ALARM IN CONTROL RM WITH NO  
LOCAL ALARM

CORRECTIVE ACTION,

REPLACED DEVICE PD 7229, CLEANED DEVICE  
PD 7269

931873 P DELTA 1 TARGET BAND

DESCRIPTION OF PROBLEM,

UPDATE TARGET BAND

CORRECTIVE ACTION,

REPLACED DEFECTIVE COMPARATOR

934644 P 22 SERVICE WTR PMP STRNR

DESCRIPTION OF PROBLEM,

REPAIR SOLENOID

CORRECTIVE ACTION,

REPLACED COIL

937511 P 24MS10, VALVE

DESCRIPTION OF PROBLEM,

VALVE WILL NOT GO INTO AUTO

SORTED BY  
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SALEM GENERATING STATION

SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

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WORK  
ORDER

NUMBER

DEPT

EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION,

ADJUSTED SERVO DRIVEN SETPOINTS

940597

P

2R12B, INSTRU

DESCRIPTION OF PROBLEM,

INSTRUMENT FAILED

CORRECTIVE ACTION,

UNLOCKED MONITOR, CLEARED RAMS

940604

P

23M910, VALVE

DESCRIPTION OF PROBLEM,

DEMAND INDICATION ON CONSOLE IS OUT OF  
CALIBRATION

CORRECTIVE ACTION,

CALIBRATED INDICATOR

940630

P

CONTROL VOL CHRG SYS

DESCRIPTION OF PROBLEM,

2CV172 WON'T GO INTO AUTO

CORRECTIVE ACTION,

REPLACED K4 RELAY 2HC110R

941622

P

24 REACTOR COOLANT LP FLW CH 2

DESCRIPTION OF PROBLEM,

INDICATES HIGH

CORRECTIVE ACTION,

REPLACED TRANSMITTER

943388

P

2R12B, INSTRU

DESCRIPTION OF PROBLEM,

NO SCAN CONDITION

CORRECTIVE ACTION,

REPLACED 2 DAMAGED PINS

945463

P

24SM24, VALVE

DESCRIPTION OF PROBLEM,

SOLENOID BURNED UP

CORRECTIVE ACTION,

REPLACED COIL

945700

P

STM GEN FD PMP MSTR CONTR

SUPPLIED BY  
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

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WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		DESCRIPTION OF PROBLEM,	MASTER WHILE IN AUTO SWINGS ALOT
		CORRECTIVE ACTION,	REPLACED TRANSMITTER PT-50A AND CAPACITOR IN SUMMATOR
946713	P	23MR10, VALVE	
		DESCRIPTION OF PROBLEM,	RETEL INDICATION IS ERRATIC
		CORRECTIVE ACTION,	REPLACED OP2AMP
946733	P	22 REACTOR COOLANT LP FLOW IND CH 2	
		DESCRIPTION OF PROBLEM,	METER INDICATES TOO HIGH
		CORRECTIVE ACTION,	REPLACED TRANSMITTER
946786	P	PT-50A, INSTRU	
		DESCRIPTION OF PROBLEM,	RETEL READS TOO HIGH
		CORRECTIVE ACTION,	REPLACED STICKING METER MOVEMENT
946785	P	2CA13, DAMPER	
		DESCRIPTION OF PROBLEM,	DAMPER MOVES DURING TESTING, BUT WILL NOT MAKE OPEN LIMIT
		CORRECTIVE ACTION,	FREED SHAFT
946818	P	N42, RECORDER	
		DESCRIPTION OF PROBLEM,	ERRATIC OPERATION
		CORRECTIVE ACTION,	REPLACED SERVO ASSEMBLY
946849	P	2R41C, INSTRU	
		DESCRIPTION OF PROBLEM,	CHANNEL READS ZERO



WORK ORDER  
NUMBER DEPT

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG - UNIT 2

DATE 09/08/81  
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WORK ORDER  
NUMBER DEPT EQUIPMENT IDENTIFICATION EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION, REPLACED POWER SUPPLY

946864 P 21SW49, VALVE

DESCRIPTION OF PROBLEM, SUPPLY PRESSURE GAUGE ON VALVE  
CONTROLLER IS BROKEN

CORRECTIVE ACTION, REPLACED GAUGE

946883 P 2R19D, INSTRU

DESCRIPTION OF PROBLEM, CHANNEL ALARMED WITH NO SCAN ACTIVITY ON  
BLOWDOWN LINE

CORRECTIVE ACTION, REPROGRAMMED MEMORY

946905 P 2R41C, INSTRU

DESCRIPTION OF PROBLEM, CHANNEL FAILED

CORRECTIVE ACTION, REPLACED BLOWN FUSE

946985 P 23AF21, VALVE

DESCRIPTION OF PROBLEM, INVESTIGATE UNUSUAL HUMMING NOISE FROM  
CONTROLLER

CORRECTIVE ACTION, BLOWDOWN A AIRHEADER

947101 P 2TM-500A, INSTRU

DESCRIPTION OF PROBLEM, CHANNEL OUT OF CALIBRATION

CORRECTIVE ACTION, REPLACED LEAD LAG

947156 P 2LT-920, INSTRU

DESCRIPTION OF PROBLEM, CHANNEL OUT OF CALIBRATION

SORTED BY  
DEPARTMENT, WORK ORDER NO. SALEM GENERATING STATION  
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WORK  
ORDER

NUMBER DEPT EQUIPMENT IDENTIFICATION

EXPLANATION OF WORK PERFORMED

CORRECTIVE ACTION,

REPLACED COMPARATOR

047160 P TRAIN B. INSTRU

DESCRIPTION OF PROBLEM,

LOGIC A SERVICE WATER POSITION CHECKS BAD

CORRECTIVE ACTION,

REPLACED UNIVERSAL BOARD

047162 P 2R198. INSTRU

DESCRIPTION OF PROBLEM,

INVESTIGATE NO SCAN

CORRECTIVE ACTION,

SWAPPED CONTROLLERS

TOTAL LINES = 000378  
TOTAL A-RECS = 000053

LAST UPDATE  
R10904  
133015

ENTER COMMANDS  
END OF RUN

ABRKT PRINTS



# REFUELING INFORMATION

DOCKET NO.: 50-311

UNIT: Salem #2

DATE: September 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000X507

MONTH: August 1981

1. Refueling information has changed from last month:

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

2. Scheduled date of next refueling: January 8, 1983

3. Scheduled date for restart following refueling: April 3, 1983

4. A. Will Technical Specification changes or other license amendments be required? YES \_\_\_\_\_ NO \_\_\_\_\_

NOT DETERMINED TO-DATE August 1981

B. Has the reload fuel design been reviewed by the Station Operating Review Committee? YES \_\_\_\_\_ NO \_\_\_\_\_

If no, when is it scheduled? December 1982

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

December 1982 (If Required)

6. Important licensing considerations associated with refueling:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7. Number of Fuel Assemblies:

A. In-Core 193

B. In Spent Fuel Storage 0

8. Present licensed spent fuel storage capacity: 1170

Future spent fuel storage capacity: 1170

9. Date of last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity: March 2000