

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-311

UNIT Salem #2

DATE June 10, 1981

COMPLETED BY L.K. Miller

TELEPHONE 609-365-7000 X507

MONTH May 1981

## DAY AVERAGE DAILY POWER LEVEL

(MWe-NET)

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

## DAY AVERAGE DAILY POWER LEVEL

(MWe-NET)

17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

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# OPERATING DATA REPORT

DOCKET NO.: 50-311

DATE: June 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

## OPERATING STATUS

1. Unit Name: Salem #2
2. Reporting Period: May 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:  
NA

Notes:

Full Power O.L.  
- May 20th

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	3,623	9,792.0
12. Number Of Hours Reactor Was Critical	201.4	201.4	469.6
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	0
17. Gross Electrical Energy Generated (MWH)	0	0	0
18. Net Electrical Energy Generated (MWH)	0	0	0
19. Unit Service Factor	0	0	0
20. Unit Availability Factor	0	0	0
21. Unit Capacity Factor (Using MDC Net)	0	0	0
22. Unit Capacity Factor (Using DER Net)	0	0	0
23. Unit Forced Outage Rate	0	0	0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

469.6  
201.4  
268.2

25. If Shut Down At End of Report Period, Estimated Date of Startup: \_\_\_\_\_

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

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

Forecast  
6/30/80  
9/01/80

Achieved  
8/02/80  
N/A  
N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-311

REPORT MONTH May 1981

UNIT NAME: Salem #2

DATE: June 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 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

1 F: Forced  
S: Scheduled

2 Reason:  
A-Bulbplant 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)

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-Same  
Source

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0550	Safety Injection	Add Qualified Containment Liquid Level Indication
2EC-0741	Annunciator	Modify Existing Annunciator to Provide Speakers with Higher DB
2EC-0773	Auxiliary Feedwater	Hard Pipe Drain for 2AF94
2EC-0798	Steam Generator/Drain and Blower	Replace Existing Triumph Transmitter
2EC-0909	Lightning Protection	Lightning Protection in Vicinity of North Penetration Area
2EC-0965	Condensate Polishing	No. 2 Waste Collection Tank Vent Piping
2EC-1002	Condensate Polishing	Relocate Air Pressure Regulator
2EC-1035	Main Steam	Remove Option for Local Manual Control for Main Steam Stop Valves
2EC-1040	Main Generator	Add Separate Independent Channels to Transmit Salem Unit 2 Generator Watts and Vars to Load Dispatcher's Office at Newark
2EC-1149	Main Turbine E-H Control	Calibrate Four Servo Cards to Convert Present Main Steam Valve
2EC-1158	Steam Generator Blowdown	Revise Snubber Installation on Steam Generator Blowdown
2EC-1218	Hot Shutdown Inverter	Modify Power Supply
2SC-0342	Emergency Diesel Generator	Change Setpoint on Switch No. 2

## MAJOR PLANT MODIFICATIONS

UNIT NAME: Salem #2REPORT MONTH May 1981DATE: June 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
2EC-0550	The additions of manways and new sump level supports in the RHR sump screens do not alter the structural integrity of the sump screens and supports, nor do they interact with other supports or systems in a manner that would cause a USQ.
2EC-0741	This change is not safety related and does not affect safety related equipment.
2EC-0773	The design change will preclude possible spraying of water to vital components in the switchgear room and will direct discharge of the AF drain valve to the nearest floor drain. This change in a NRC requirement.
2EC-0798	This change is not safety related and does not affect safety related equipment. This is only a replacement of existing equipment.
2EC-0909	The addition of lightning mast and modification of grounding does not affect or involve any safety function or margin.
2EC-0965	This change involves installation of a visual spool piece in the line to the waste collection tank vent line to the high conductivity waste pit. These changes do not involve unreviewed safety questions. The installation does not constitute any new hazards not previously analyzed.
2EC-1002	The changes involve modifications to the service air, DM water, water heater and resin transfer piping. These changes do not involve any unreviewed safety questions. The installation does not constitute any new hazards not previously analyzed.
2EC-1035	The design change does not affect the functional operation of the system. The change is temporary, until the equipment involved is environmentally qualified, the option for local manual control or testing is eliminated.
2EC-1040	This design change is not safety related and does not in any way affect any safety related systems or the safe shutdown of the plant.
2EC-1149	The conversion of the main steam valve sequencing arrangement from the design 75% admission (partial arc) to 100% admission (full arc) does not alter the original design concept of turbine-generator unit. This change does not affect the technical specification or the FSAR.
2EC-1158	No USQ is involved as this change is optimizing design of a seismic restraint.
2EC-1218	This change improves the operation of a non-safety grade component without altering its function. No USQ is involved.
2SC-0342	This design change involves the change of setpoint for 2A, 2B and 2C Diesel Generator tachometer switch #2's from 550 rpm to 500 rpm. It is to accommodate the available range of the switch. It does not alter or change either the functional requirements or the technical specifications.

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

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
909170	MD	Valve, 22SJ269	Description of Problem - Packing leak Corrective Action Taken - Repacking
909171	MD	Valve, 22SJ56	Description of Problem - Bonnet leak Corrective Action Taken - Replaced bonnet gasket
909172	MD	Valve, 24SJ56	Description of Problem - Bonnet leak Corrective Action Taken - Replaced Bonnet gasket
909221	MD	Valve, 23SJ143	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
909226	MD	Valve, 21SJ16	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
909227	MD	Valve, 23SJ16	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
909233	MD	Valve, 2SJ149	Description of Problem - Packing leak Corrective Action Taken - Repacked

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
909243	MD	Valve, 23SJ162	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
909247	MD	Valve, 2RH1	Description of Problem - Packing leak Corrective Action Taken - Repacked
912789	MD	Valve, 21SJ282	Description of Problem - Packing leak Corrective Action Taken - Repacked
912800	MD	Valve, 2SJ310	Description of Problem - Packing leak Corrective Action Taken - Repacked
912802	MD	Valve, 2SJ135	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
912971	MD	No. 2B Safeguards Equipment Controller	Description of Problem - Trouble shoot Corrective Action Taken - Replaced card in slot 57
927844	MD	No. 2A Safeguards Equipment Controller	Description of Problem - No reset after accident mode Corrective Action Taken - Replaced card in slots 21,22,31, and 32
929581	MD	Value, 23SJ25	Description of Problem - Packing leak Corrective Action Taken - Tightened packing



<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
929647	MD	Valve, 2RH2	Description of Problem - Packing leak Corrective Action Taken - Repacked
929650	MD	Valve, 23SJ20	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
929671	MD	Valve, 24SJ25	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
929676	MD	Valve, 25J19	Description of Problem - Packing leak Corrective Action Taken - Repacked
929693	MD	Valve, 24SJ16	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
929694	MD	Valve, 23SJ314	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
929695	MD	Valve, 23SJ313	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
935450	MD	Valve, 23 SJ279	Description of Problem - Packing leak Corrective Action Taken - Repacked



<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
938455	MD	Containment Air Lock	Description of Problem - Door jammed Corrective Action Taken - Replaced cam followers
938463	MD	Valve, 21SJ27	Description of Problem - Packing leak Corrective Action Taken - Repacked
938514	MD	No. 2B 125VDC BUS	Description of Problem - Ground condition Corrective Action Taken - Cleared ground
938594	MD	Valve, 23MS167	Description of Problem - Valve will not open Corrective Action Taken - Replaced defective relay
938595	MD	Valve, 24MS167	Description of Problem - Open limit not making up Corrective Action Taken - Cleaned spool valve
938622	MD	Valve, 24MS167	Description of Problem - Drifting open Corrective Action Taken - Add packing to stuffing box
938643	MD	Containment Air Lock	Description of Problem - Does not pass leak check Corrective Action Taken - Replaced gasket
941957	MD	Valve, 21RH11	Description of Problem - Packing leak Corrective Action Taken - Repacked

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
941958	MD	Valve, 22RH11	Description of Problem - Packing leak Corrective Action Taken - Repacked
941959	MD	Valve, 22RH37	Description of Problem - Packing leak Corrective Action Taken - Repacked
941960	MD	Valve, 22RH39	Description of Problem - Packing leak Corrective Action Taken - Repacked
942336	MD	Valves, 21,22,23, 24CU96	Description of Problem - Packing leak Corrective Action Taken - Repacked
942337	MD	Valves, 21,22,23, 24CU96	Description of Problem - Packing leak Corrective Action Taken - Repacked
942338	MD	Valve, 2CU79	Description of Problem - Packing leak Corrective Action Taken - Repacked
942339	MD	Valve, 2CU77	Description of Problem - Packing leak Corrective Action Taken - Repacked
942340	MD	Valve, 2CU75	Description of Problem - Packing Leak Corrective Action Taken - Repacked

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
942341	MD	Valve, 2CU277	Description of Problem - Packing leak Corrective Action Taken - Repacked
942342	MD	Valve, 21SJ20	Description of Problem - Packing Problem Corrective Action Taken - Repacked
942343	MD	Valve, 2SJ7	Description of Problem - Packing leak Corrective Action Taken - Tightened packing
942344	MD	Valve, 21SJ26	Description of Problem - Packing leak Corrective Action Taken - Repacked
942345	MD	Valve, 21SJ21	Description of Problem - Packing leak Corrective Action Taken - Repacked
942486	MD	No. 22 Boric Acid Transfer Pump	Description of Problem - Leak at pump Corrective Action Taken - Rebuilt pump
942562	MD	No. 2 Boric Acid Evaporator	Description of Problem - Rupture disc blown Corrective Action Taken - Replaced rupture disc
942690	MD	Valve, 21CU108	Description of Problem - Packing leak Corrective Action Taken - Repacked

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
942692	MD	Valve, 2CU73	Description of Problem - Packing leak Corrective Action Taken - Repacked
942693	MD	Valve, 2CC77	Description of Problem - Packing leak Corrective Action Taken - Repacked
942694	MD	Valve, 2CC182	Description of Problem - Packing leak Corrective Action Taken - Repacked
942726	MD	Valve, 24MS131	Description of Problem - Packing leak Corrective Action Taken - Repacked
943078	MD	Valve, 2CU278	Description of Problem - Packing Leak Corrective Action Taken - Repacked
943122	MD	Valve, 24RC13	Description of Problem - Packing leak Corrective Action Taken - Tightened Packing
943123	MD	Value, 23RC25	Description of Problem - Packing leak Corrective Action Taken - Repacked
943124	MD	Valve, 24RC30	Description of Problem - Packing Leak Corrective Action Taken - Tightened packing

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
943127	MD	Valve, 22SJ26	Description of Problem - Packing leak Corrective Action Taken - Repacked
943128	MD	Valve, 22SJ21	Description of Problem - Packing leak Corrective Action Taken - Repacked
943129	MD	Valve, 22SJ58	Description of Problem - Packing leak Corrective Action Taken - Repacked
943130	MD	Valve, 24SJ20	Description of Problem - Packing leak Corrective Action Taken - Repacked
943180	MD	Valves, 22V110,22CU267	Description of Problem - Packing Leak Corrective Action Taken - Repacked
943744	MD	No. 2C Safeguards Equipment Controller	Description of Problem - No alarm when No. 2C Diesel was run Corrective Action Taken - Installed permanent jumper
943788	MD	No. 23 Charging Pump	Description of Problem - Will not maintain pressurizer level Corrective Action Taken - Inspected suction valves, removed rubber pieces
943873	MD	No. 2B Diesel Generator	Description of Problem - Generator field resistors glowing red Corrective Action Taken - Replaced field resistors

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
943947	MD	No. 22 Main Turbine Lube Oil Cooler	Description of Problem - Head Flange leaks service water Corrective Action Taken - Tightened Head bolts
944973	MD	Valve, 2CU68	Description of Problem - Packing leak Corrective Action Taken - Repacked
944974	MD	Valve, 2CU69	Description of Problem - Packing leak Correction Action Taken - Repacked
944975	MD	Valve, 2CU70	Description of Problem - Packing Leak Corrected Action Taken - Repacked
944988	MD	Valve, 22CS11	Description of Problem - Missing handwheel Corrective Action Taken - Replaced handwheel
944989	MD	No. 2A Diesel Generator Control Area Exhaust Fan	Description of Problem - No on indication Corrective Action Taken - Adjusted limit switch
944990	MD	No. 2B Diesel Generator Control Area Exhaust Fan	Description of Problem - No on indication Corrective Action Taken - Adjusted limit switch
945187	MD	No. 23 Charging Pump	Description of Problem - Pump has 100 psi pressure swings Correction Action Taken - Replaced #5 suction and discharge valves

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
945827	MD	Valve, 23MS167	Description of Problem - Valve does not operate Corrective Action Taken - Added oil to valve
947222	MD	No. 2C Vital Instrument Invertor	Description of Problem - Failed Corrective Action Taken - Replaced two blown fuses and two trigger fuses
947271	MD	Valve, 23MS167	Description of Problem - Leaking fittings Corrective Action Taken - Tightened Fittings
947274	MD	Valves, , 23MS167	Description of Problem - No open indication Corrective Action Taken - Adjusted open limit switch
947367	MD	Valve, 23MS178	Description of Problem - Bonnet leak Corrective Action Taken - Replaced bonnet gasket
947923	MD	No. 2B 125VDC Battery	Description of Problem - Discharge ampmeter indicating charging current Corrective Action Taken - Reversed leads
947934	MD	Valve, 23SJ21	Description of Problem - Packing leak Corrective Action Taken - Repacked
947977	MD	Valve, 2CU54	Description of Problem - Leak off line cracked Corrective Action Taken - Welded line



<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
948012	MD	Valve, 2PR1	Description of Problem - Leaks thru Corrective Action Taken - Replaced stem and cage
948016	MD	Valve, 2PS28	Description of Problem - Packing leak Corrective Action Taken - Repacked
948057	MD	Valve, 23MS167	Description of Problem - Valve drifting Corrective Action Taken - Repacked
948069	MD	Reactor Trip Bypass Breaker "A"	Description of Problem - Breakek dropped Corrective Action Taken - Replaced control device
948075	MD	Valve, 2SJ77	Description of Problem - Packing leak Corrective Action Taken - Repacked
948105	MD	No.2B Service Water Pump Motor Cooler	Description of Problem - Flanges erroded Corrective Action Taken - Repaired Flanges
918814	PD	Volume Control Tank Pressure Indication	Description of Problem - Instrument failed Corrective Action Taken - Replaced indicator
928425	PD	Nuclear Instrumentation	Description of Problem - 2N42-Permissive P-10 out of specification Corrective Action Taken - Adjusted summing and level amplifiers

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
928436	PD	Radiation Monitor-2R41C	Description of Problem - No scan to computer Corrective Action Taken - Replaced ACIA in loop 2 and bad fuse in loop 1
928676	PD	Pressurizer Surge Line Temperature Indicator	Description of Problem - Failed low Corrective Action Taken - Replaced circuit board
932605	PD	No. 22 Residual Heat Removal Pump Recir- culation Flow Controller	Description of Problem - Verify control circuit Corrective Action Taken - Reset output for proper operation
932607	PD	Reactor Coolant System Flow	Description of Problem - Loop comparator out of specification Corrective Action Taken - Recalibrated
932609	PD	Solid State Protection System-Train B	Description of Problem - Cannot close reactor trip breaker B Corrective Action Taken - Replaced semi-automatic tester card
938489	PD	Valve, 21SW72	Description of Problem - Leak on controller instrument line Corrective Action Taken - Tightened transmitter fittings
938476	PD	Flow Transmitter FS3539F1	Description of Problem - Leak on fitting Corrective Action Taken - Tighten Fittings

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
938566	PD	No. 22 Reactor Coolant Loop Flow	Description of Problem - Channel II- Failed high Corrective Action Taken - Equalized transmitter
938657	PD	No. 24 Reactor Coolant Loop Flow	Description of Problem - Low flow alarm energized Corrective Action Taken - Placed transmitter in service
943765	PD	Pressurizer Surge Line Temperature	Description of Problem - Indicator failed low Corrective Action Taken - Replaced circuit board
945889	PD	No. 24 Reactor Coolant Loop Flow	Description of Problem - Channel II - Not indicating Corrective Action Taken - Replaced signal isolator capacitors
945890	PD	No. 22 Reactor Coolant Loop Flow	Description of Problem - Channel II - Not indicating Corrective Action Taken - Replaced signal isolator capacitors
945896	PD	Valve, 2CU55	Description of Problem - Not controlling charging flow Corrective Action Taken - Replaced failed controller

## REFUELING INFORMATION

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

MONTH: May 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 April 1981

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

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: NONE

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