

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-311

UNIT Salem #2

DATE July 10, 1981

COMPLETED BY 609-365-7000X507

TELEPHONE L.K. Miller

MONTH June 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	56
26	56
27	0
28	0
29	17
30	48
31	

# OPERATING DATA REPORT

DOCKET NO.: 50-311

DATE: July 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

## OPERATING STATUS

1. Unit Name: Salem #2
2. Reporting Period: June 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:  
N/A

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	<u>720</u>	<u>4,343</u>	<u>10,512</u>
12. Number Of Hours Reactor Was Critical	<u>256.5</u>	<u>457.9</u>	<u>726.1</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>78,098</u>	<u>78,098</u>	<u>78,098</u>
15. Unit Reserve Shutdown Hours	<u>12,090</u>	<u>12,090</u>	<u>12,090</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>0</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>0</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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

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

	Forecast	Achieved
INITIAL CRITICALITY	<u>6/30/80</u>	<u>8/02/80</u>
INITIAL ELECTRICITY	<u>9/01/80</u>	<u>6/03/81</u>
COMMERCIAL OPERATION	<u>      </u>	<u>N/A</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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

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  
9-Other

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

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

MAJOR PLANT MODIFICATIONS  
REPORT MONTH June 1981

DOCKET NO: 50-311  
UNIT NAME: Salem 2  
DATE: July 10, 1981  
COMPLETED BY: L.K. Miller  
TELEPHONE: 609-365-7000 X597

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-0501	Containment TV Cameras	Supply Force Air to Cameras
2EC-0639	Fuel Transfer	Modify in accordance with WRAPS 13
2EC-0854	Safeguard Emergency Control	Modify Safeguard Emergency Control
2EC-1025	Safety Injection	Modify Control Circuit Valve 2-SJ53
2EC-1062	Containment Ventilation	Pressure Setpoint
2EC-1123	Voltage Regulator	Remove Resistor R18
2EC-1219	Reactor Coolant	Instrumentation for Hot/Cold Leg Temperature
2ET-1226	Main Steam	Response Test on the MS167
2EC-1243	4KV Vital Bus Feeder	Change 2B4D-2C4D, 4160/480V

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

## MAJOR PLANT MODIFICATIONS

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

*DCR NO.	10CFR50.59	SAFETY EVALUATION
2EC-0501		The subject change does not affect any presently performed safety analysis, nor does it create any new safety hazards.
2EC-0639		This change is not safety related and does not affect safety related equipment. This change is a result of an above water electric motor replacing an underwater air motor and the addition of monitoring devices.
2EC-0854		The design change is an improvement to an existing design to increase reliability. It does not modify the function of the equipment.
2EC-1025		The existing design for the control of valve 1SJ53 allows the valve to open automatically upon reset of the SSPS tripping signal to the valve. This would violate the containment isolation integrity. This design change will remedy this problem without changing the function of the valve.
2EC-1062		This modification does not involve an unreviewed safety question. The setpoints being changed were not used in the calculations for any presently performed safety analysis.
2EC-1123		This change will not result in any new or additional discharges to the environment.
2EC-1219		This DCR has no impact on the environment because no change to external plant appearance or to nature of effluents.
2ET-1226		The test will ascertain whether the proposed design change will be applicable to improve the valve performance.
2EC-1243		No change to the basic design or function of the system, therefore no UEQ is involved.

SALEM GENERATING STATION  
SAFETY RELATED EQUIPMENT WORK ORDER LOG  
UNIT 2

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
905287	MD	Service Water	Description of Problem - 22 Service Water Pump upper motoring bearing was smoking excessively.  Action Taken to Correct - Replaced 22 Service Water Pump motor.
909323	MD	2C Vital Instr. Inverter Slave	Description of Problem - Blown fuses.  Action Taken to Correct - Replaced master and slave transformer. Also replaced fuses.
910625	MD	21 Service Water Pump	Description of Problem - Check upper motor cooler for leak, found oil space had oil-water and mud in it.  Action Taken to Correct - Removed motor and replaced with new one.
912311	MD	2A 125V Battery	Description of Problem - Connect single cell charger to cells 10 and 19.  Action Taken to Correct - Put single cell charger on cell 19.
916837	MD	Console Alarm	Description of Problem - Check calibration of building low differential pressure alarm as it sporadically annunciated when all building ventilation systems are out of service.  Action Taken to Correct - Calibrated device, installed and cleared alarm.
927636	MD	SEC 2C	Description of Problem - No testing in progress, 2C diesel started along with all 2C bus loads. No safeguard loading lights received.  Action Taken to Correct - Unable to duplicate problem.
930076	MD	Aux Feedwater	Description of Problem - Leaks in headers in Refueling and Primary Water Pump area.  Action Taken to Correct - Removed insulation and found high rad on Refueling Water Storage Tank heat exchanger.
934698	MD	Aux Building Supply Fan	Description of Problem - Change out filters on 21 and 22 Aux Building Supply Fans.  Action Taken to Correct - Installed filters.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
935487	MD	SEC	Description of Problem - Perform surveillance test of 2A, 2B and 2C SEC. Action Taken to Correct - Performed M3B on 2A and 2B SEC only.
935958	MD	21 Emergency Fan	Description of Problem - Fan did not respond to hi rad signal during testing. Action Taken to Correct - Unable to duplicate problem.
937703	MD	25 Service Water Pump Strainer	Description of Problem - Manway has blown off. Action Taken to Correct - Installed manway cover with a new gasket.
937953	MD	21SW77, Valve	Description of Problem - Valve doesn't seat during backflow test. Action Taken to Correct - Installed new spring in valve.
937956	MD	2A, 125V DC Battery Bus	Description of Problem - Voltmeter C.R. indicates 140V DC. Action Taken to Correct - 2A battery charger is on equalize charge for 2A 125 volt battery group. Adjusted equalize charge voltage to 139 volts.
937958	MD	2B Diesel Generator	Description of Problem - Generator day tank hi/low level alarm did not function with hi level in tank. Action Taken to Correct - Checked high level alarm, alarm worked properly.
938009	MD	21 Fan Coil Unit	Description of Problem - Motor cooler drain cap missing. Action Taken to Correct - Installed 3/8" cap.
938049	MD	25 Service Water Pump Strainer	Description of Problem - Strainer has broken shear key. Action Taken to Correct - Gear box motor drive key sheared, replaced key.
938062	MD	23 Service Water Pump	Description of Problem - Repack pump, excessive leakage. Action Taken to Correct - Repacked pump.
938103	MD	2CV56, Valve	Description of Problem - Valve needs to be repacked. Action Taken to Correct - Repacked valve.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
938107	MD	23 Rod Drive Vent Fan	Description of Problem - Will not start. Action Taken to Correct - Adjusted and retested breaker 2B5X.
938111	MD	2C Vital Instr. Inverter	Description of Problem - Inverter tripped out of service. Action Taken to Correct - Replaced fuses and burnt wire, also adjusted phase bank of master and slave.
938112	MD	2C Emergency Diesel	Description of Problem - Pre-lube on pump failure, alarm will not clear. Action Taken to Correct - Repaired flow device.
938118	MD	21 Concentrates Holdup Tank Transfer Pump	Description of Problem - Pump seized. Action Taken to Correct - Rebuilt and reinstalled pump.
938138	MD	24 Containment Fan Cooler	Description of Problem - Service water leak at flange between 24SW74 and 24SW75 valves. Action Taken to Correct - Replaced rubber gaskets.
938140	MD	22 Service Water Pump	Description of Problem - Strainer pressure controller not wired up and protective cover is not installed. Action Taken to Correct - Installed new differential device 2PD286 on strainer.
938141	MD	22 Service Water Pump	Description of Problem - Flexible hose in the gland seal water supply line is leaking excessively. Action Taken to Correct - Replace with new hose.
938148	MD	24SW75, Valve	Description of Problem - 3/4" instrument line by valve is leaking somewhere under insulation. Action Taken to Correct - No leak detected.
938462	MD	21SJ54, Valve	Description of Problem - Check or repack 21SJ54, can't maintain accumulator level. Action Taken to Correct - Repacked valve.



<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
938490	MD	22 Boric Acid Tank	Description of Problem - 22CV159 valve, setscrew not installed, valve inoperable. Action Taken to Correct - Replaced setscrew in handwheel.
938579	MD	21SJ54, Valve	Description of Problem - Valve leaks thru. Action Taken to Correct - No apparent problem.
938634	MD	24MS167, Valve	Description of Problem - Adjust closed limit switch when valve is closed. Action Taken to Correct - Adjusted limit switch.
938670	MD	22MS171, Valve	Description of Problem - Valve is leaking thru and continuously blowing steam out vent on roof. Action Taken to Correct - Seat has small cut below cage, will repair at next outage.
939720	MD	Diesel Generator Dampers	Description of Problem - Exercise and lubricate dampers. Action Taken to Correct - Exercised and lubricated dampers.
939721	MD	23-24MS167, Valves	Description of Problem - Drain MSIV hydraulic system and refill, also change in line filter and clean reservoir filter. Action Taken to Correct - Replaced oil during Unit 2 startup operation/testing.
939724	MD	Station Batteries	Description of Problem - Perform weekly surveillance on all station batteries. Action Taken to Correct - Performed weekly surveillance.
939745	MD	2A SEC	Description of Problem - Coordinate with Operations during mode 5 to initiate a safety injection and determine if 2A SEC resets. Action Taken to Correct - Found transients from field wiring from 28VDC relay on reset circuit.
939747	MD	125V DC Battery 2C	Description of Problem - Perform quarterly battery summary. Action Taken to Correct - Completed summary.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
939748	MD	125V DC Battery 2B	Description of Problem - Perform quarterly battery summary. Action Taken to Correct - Completed summary.
939749	MD	28V DC Battery 2A	Description of Problem - Perform quarterly battery summary. Action Taken to Correct - Completed summary.
939776	MD	Station Batteries	Description of Problem - Perform weekly surveillance on all station batteries. Action Taken to Correct - Performed weekly surveillance.
939783	MD	Letdown Line	Description of Problem - Inspect pipe hangers on letdown line. Action Taken to Correct - Check all hangers.
939784	MD	125V Battery 2B	Description of Problem - Perform monthly summary. Action Taken to Correct - Completed quarterly summary.
939822	MD	24 Fan Coil Unit	Description of Problem - Retest breaker for slow speed. Action Taken to Correct - Tested breakers, replaced new overloads.
939825	MD	Spare RH3, Valve	Description of Problem - Install new springs and parts in valve. Action Taken to Correct - Installed new parts and lift set.
939832	MD	23 Aux Feed Pump Turbine	Description of Problem - Disassemble governor valve and inspect valve internals for evidence of foreign material. Action Taken to Correct - Disassembled, inspected, reassembled.
939847	MD	2MS52, Valve	Description of Problem - Inspect valve for foreign material. Action Taken to Correct - Inspected valve.
939848	MD	2MS135, Valve	Description of Problem - Inspect valve for foreign material. Action Taken to Correct - Inspected valve.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
939850	MD	23MS11	Description of Problem - Retest-lift check outer unit returns to service. Action Taken to Correct - Tested valve, valve lifted at 1125 and 1121.
941839	MD	2C Diesel Prelube Pump	Description of Problem - Investigate and repair failure alarm. Pump is running but alarm is up will not reset. Action Taken to Correct - Repaired flow device.
941976	MD	MSALS-2	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941977	MD	MSALS-3	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941978	MD	MSALS-4	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941979	MD	MSALS-5	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941980	MD	MSALS-6	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941981	MD	MSALS-8-9	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941982	MD	MSALS-10	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941983	MD	MSALS-11	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941984	MD	MSALS-13	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
985	MD	MSALS-12	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
941986	MS	MSALS-14	Description of Problem - Hot clearance needs to be set. Action Taken to Correct - Hand tighten support.
942403	MD	Elev. 100, Containment Outer Door	Description of Problem - Replace damaged bearing. Action Taken to Correct - Replaced bearing.
942411	MD	22MS167, Valve	Description of Problem - Supply an electrician to make connections to visicorder in support of SUP53. Action Taken to Correct - Ran temp. wire for testing of MS167 valves.
942686	MD	2PS24	Description of Problem - Repack v. 1. Action Taken to Correct - Repacked valve with 7 rings below linteln and 7 rings above.
942695	MD	22SW57	Description of Problem - Repack valve. Action Taken to Correct - Tightened packing, stopped leak.
942859	MD	24 Containment Fan Coil Unit	Description of Problem - High speed breaker trips after start. Action Taken to Correct - Found wrong breaker in bus cubicle. Replaced with proper breaker, also greased motor bearings and fan shaft bearings.
943094	MD	Main Steam Stop Valves	Description of Problem - Cleanup 22MS167 valves, by-pass valve as well as the SU-1, 2 and 3 hydraulic fluid direction solenoids for hydraulic system inspection. Action Taken to Correct - Cleaned 2.998 shaft and block 2.999, also replaced shuttles valve.
943115	MD	22RC10, 11, 12 Valves	Description of Problem - Repack valves. Action Taken to Correct - Repacked valves.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
943134	MD	23SJ54, Valves	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943135	MD	2NT55, Valve	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943176	MD	21SJ58, Valve	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943177	MD	2CC136, Valve	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943178	MD	2CC113, Valve	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943179	MD	2CC117, Valve	Description of Problem - Repack valve. Action Taken to Correct - Repacked valve.
943852	MD	24MS167, Valve	Description of Problem - Valve starts to drift open for no reason. Action Taken to Correct - Compressed packing and torque packing nuts.
943931	MD	2PS2, Valve	Description of Problem - Valve very difficult to operate with reach rod. Action Taken to Correct - Reach rod was stuck in closed position, loosened adjusting screw and freed reach rod.
943932	MD	2PS4, Valve	Description of Problem - Reach rod disconnected from valve. Action Taken to Correct - Put new bonnet and packing gland, also tightened valve and adjusted nut until the valve was turning easy.
945005	MD	13SCO24, Valve	Description of Problem - Valve leaking. Action Taken to Correct - Installed new valve body.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
945038	MD	Service Water System	Description of Problem - 22SW5 check valve blew a flange gasket. Action Taken to Correct - Replaced gasket.
945073	MD	25 Fan Coil Unit	Description of Problem - Flow meter flange for FCU rubber gasket blown out. Action Taken to Correct - Retightened bolts on flanges.
945600	MD	22 Stop Valve	Description of Problem - Open limit switch will not make-up. Action Taken to Correct - Adjusted limit switch linkage.
945678	MD	2B Diesel Generator	Description of Problem - Generator was not starting at Tech. Spec. times. Action Taken to Correct - Replaced air starter on 2B diesel.
945696	MD	23MS178, Valve	Description of Problem - When 23MS7 is open valve makes loud screaming noise. Action Taken to Correct - Replaced plug spring.
947231	MD	2PR6, Valve	Description of Problem - While trying to open the valve, the closed limit light goes out, but the open limit light does not light. Action Taken to Correct - Reset limit switch on valve and stroked valve.
947582	MD	24 Fan Coil Unit	Description of Problem - Replace 2nd cooler down primary bank. Action Taken to Correct - Replaced primary bank.
947799	MD	21 Aux Feed Pump	Description of Problem - Check pump housing seal. Action Taken to Correct - Replaced pump casing gaskets.
947804	MD	24 Reactor Coolant Pump	Description of Problem - While attempting to remove pipe cap on 24CC292 the entire pipe turned. Action Taken to Correct - Pipe wrench must be used to remove pipe cap. Line is connected with compression filters.
947917	MD	2A SEC	Description of Problem - SEC would not reset from the Control Room from a mode 1 actuation. Action Taken to Correct - Couldn't duplicate problem.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
948011	MD	23MS167, Valve	Description of Problem - Starts to drift open for no reason. Action Taken to Correct - Compressed packing and torque packing gland nuts.
948026	MD	2PR47, Valve	Description of Problem - Valve leaks thru. Action Taken to Correct - Replaced bonnet gasket.
948031	MD	22, 24SJ138, Valves	Description of Problem - Repack valves. Action Taken to Correct - Repacked valve.
948105	MD	23 Service Water Pump Motor Cooler	Description of Problem - Repair erroded flanges. Action Taken to Correct - Repaired flanges.
948186	MD	125V DC Battery 2A	Description of Problem - Perform summary test. Action Taken to Correct - Completed quarterly station battery summary.
948199	MD	22 Service Water Pump Motor	Description of Problem - Remove 22 Service Water Pump motor and check pump base. Action Taken to Correct - Motor sent out for repair and then reinstalled motor.
928221	PD	Reactor Coolant System	Description of Problem - Measure $\Delta P$ for each RCS flow transmitter with 4 RCP's in service at 547°. Action Taken to Correct - Measured pressures.
928365	PD	Portable Vacuum Pump	Description of Problem - Vacuum gauge required to verify moisture has been removed. Action Taken to Correct - Vacuum gauge picked up.
928652	PD	2MS52, Valve	Description of Problem - Install limit switches and covers. Action Taken to Correct - Assisted electricians in replacing limit switches.
928698	PD	23BF19, Valve	Description of Problem - Stroke valve. Action Taken to Correct - Extended stem then stroked valve.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED	
932616	PD	SSPS Train B	Description of Problem	- Remove diode in 4007 from TLB 621A for use on Unit 1 TLA 621 Train A. Replace diode in Unit 2 when available.
			Action Taken to Correct	- Installed diode in Unit 1 and replaced diode in Unit 2.
932618	PD	Main Steam Flow Transmitters	Description of Problem	- Isolate all steam flow transmitters while Catalytic performs work on flow taps.
			Action Taken to Correct	- Removed all steam flow transmitters.
932620	PD	SSPS Train A	Description of Problem	- SI block from low pressurizer pressure was lost while placing pressurizer pressure CH. I in test for functional procedure.
			Action Taken to Correct	- Replaced Universal Card 411.
932753	PD	NIS Power Range	Description of Problem	- Reset all power range rod stop setpoints to 25%.
			Action Taken to Correct	- Completed procedure.
934345	PD	PD-270, 230, 246, 323, 233, 242, 239, 347, 339	Description of Problem	- Recalibrate due to out of calibration test equipment being used to calibrate above gauges.
			Action Taken to Correct	- Calibrated above gauges.
934614	PD	21MS39 and 41	Description of Problem	- No open indication.
			Action Taken to Correct	- Connected positioner linkage on 22MS29 and this corrected the problem with 22MS41.
937710	PD	22 Fan Coil Unit	Description of Problem	- When in low speed the service water flow does not go to hi flow.
			Action Taken to Correct	- Freed sticking valve 22SW57.
937769	PD	Power Range & Power Ch. 2	Description of Problem	- Bezel indicator failed.
			Action Taken to Correct	- Indicator was stuck at less than 0%. Removed and calibrated.
937960	PD	2N44 Power Range	Description of Problem	- Upper flux .05 high and 10.022V DC required 10 $\pm$ .010V DC.
			Action Taken to Correct	- Adjusted NM-306 10.001V DC.



WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
938053	PD	22AF21, Valve	Description of Problem - Will not increase above 90% or decrease below 15%. Action Taken to Correct - Calibrated 2NS5968.
938056	PD	22AF21, Valve	Description of Problem - Demand position is drifting off of the 95% value. Action Taken to Correct - Replaced defective op amp 2M307.
938061	PD	21 Reactor Coolant Pump Loop 21	Description of Problem - Check bistable on Loop 21 Channel 1, flow electric operation with Pump O/S. Action Taken to Correct - Replaced 2FC414.
938090	PD	22 Fan Coil Unit	Description of Problem - Low speed service water flow is only 1800 gpm. Action Taken to Correct - No apparent problem.
938096	PD	2PS3, Valve	Description of Problem - Valve indicates 20% open on demand and full closed on pushbutton. Action Taken to Correct - Replaced op-amp.
938096	PD	2CV172, Valve	Description of Problem - Exceeded surveillance max stroke limit of 300 sec. Action Taken to Correct - Exercised valve several times and polished stem with emory cloth.
938135	PD	23SJ20, Valve	Description of Problem - Valve indicates open and closed with valve closed. Action Taken to Correct - Limit switch full of boric acid, cleaned limit switch up.
938145	PD	2PS3, Valve	Description of Problem - When in manual and decrease light is lit, valve will drift open to 20%. Action Taken to Correct - Replaced meter movement.
938153	PD	22 Service Water Pump Strainer	Description of Problem - Strainer delta pressure is disconnected at strainer. Action Taken to Correct - Delta pressure sensor has been reconnected.
938682	PD	SSPS Train B	Description of Problem - Replace cracked diode on TLB607B. Action Taken to Correct - Replaced broken diode.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
938674	PD	21RH18, Valve	Description of Problem - Valve does not makeup closed light on console. Action Taken to Correct - Replaced allen set screw on closed light arm.
941709	PD	Steam Dump	Description of Problem - Valves are opening with a "C" demand on the controller. Action Taken to Correct - Calibrated IP-8372 and IP-8373.
941723	PD	23 Accumulator	Description of Problem - Two level indication channels disagree by 10%. Action Taken to Correct - Calibrated 2LT935C and 2LT934.
941724	PD	2SA3, Shutdown Rod	Description of Problem - Check and repair, rod will not withdraw from reactor core. Action Taken to Correct - Cable connector plug defective. Pin 3 had become dislodged from its mounting recess. Push pin back in place and cleaned all contacts.
941726	PD	Pressurizer Pressure Ch. 1 and Ch. 3	Description of Problem - Check, repair, calibrate pressurizer pressure channels 1 and 3. Action Taken to Correct - Recalibrated 2PT-455.
941875	PD	24SW58, Valve	Description of Problem - Will not show close light in Control Room. Action Taken to Correct - Adjusted shut limit switch stem to make up limit switch contacts.
941926	PD	24 Fan Coil Unit	Description of Problem - Service water flow does not indicate when in high speed/low flow. Action Taken to Correct - PS-1636Z and PL-9622 were overranged causing 24SW57 to be shut.
941927	PD	Shutdown Bank Step Counter - Bank B	Description of Problem - Counter stopped at 148 steps and stuck at that position. Action Taken to Correct - Replace fuse at movable main feed box.
942375	PD	Simpson 260 Multimeter	Description of Problem - Perform annual calibration of nine Simpson 260 multimeters M-172 thru M-180. Action Taken to Correct - Calibrated multimeters.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
942395	PD	Heise Gauge	Description of Problem - Calibrate 0-500 PSI Heise Gauge to be used on lift check of 2RH3. Action Taken to Correct - Calibrated gauge.
945580	PD	Reactor Coolant System	Description of Problem - When pressure Ch. 1 is selected for automatic control - demand signal goes to zero calling for full heaters. Channel indicates normal pressure. Action Taken to Correct - Replaced PX455AA control switching relay.
945588	PD	22 Service Water Pump	Description of Problem - Motor upper bearing leaks oil almost as fast as it can be added. Action Taken to Correct - Cleaned motor, returned oil to proper level.
945589	PD	22 Service Water Screen	Description of Problem - Will not operate in auto or start. Action Taken to Correct - Opened valve 22SW14.
945598	PD	21 Service Water Header	Description of Problem - Check and recalibrate PS-2747 transmitter, pressure indicates high. Action Taken to Correct - Replaced printed circuit assembly and on/off toggle switch for power supply.
945820	PD	21MS18	Description of Problem - Valve will not open. Action Taken to Correct - Replaced valve diaphragm.
946957	PD	21MS169	Description of Problem - Support Maintenance with valve. Action Taken to Correct - Check spring tension and verified valve is seated at 12 PSIG.
946993	PD	Doric	Description of Problem - Points 300-396 bad. Action Taken to Correct - Points have been skipped.
946995	PD	22 Service Water Pump	Description of Problem - Remove and reinstall pump thermocouples. Action Taken to Correct - Performed above work.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED	
947001	PD	2N32, Instru.	Description of Problem	- When perform functional test follow special instructions because high voltage does not shut off.
			Action Taken to Correct	- Remove high voltage cable, installed power fuses. Performed functional procedure.
947007	PD	2N41, Instru.	Description of Problem	- Upper and lower flux signals to protection system 2MV high.
			Action Taken to Correct	- Adjusted NM306 and NM307.
947055	PD	21 Feed Flow Channels 1 & 2	Description of Problem	- Indicates high.
			Action Taken to Correct	- Equalized transmitter for zero indication, also calibrated 2FM510B.
947056	PD	22 Feed Flow Ch. 2	Description of Problem	- Indicates high.
			Action Taken to Correct	- Equalized transmitter for zero indication.
947057	PD	24 Feed Flow Ch. 1-2	Description of Problem	- Indicates high.
			Action Taken to Correct	- Equalized transmitter for zero indication.
947058	PD	Steam Dump	Description of Problem	- Valves open as soon as system is armed.
			Action Taken to Correct	- Repaired feedback linkage.
947107	PD	2PR2, Valve	Description of Problem	- Remove limit switches and install hand sender to assist Maintenance Department.
			Action Taken to Correct	- Connected hand sender, also adjusted valve stroke, set lift pressure and limit switches.
947110	PD	2 Steam Flow Transmitters	Description of Problem	- Verify transmitter line-ups.
			Action Taken to Correct	- Rezeroed steam flow transmitters.
947120	PD	N42, Power Range	Description of Problem	- Correct instrumentation for out of tolerance data.
			Action Taken to Correct	- Adjusted R34, NR42, R34, NR45, gain on Na304, NR47, signal isolator on QM202A.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
947228	PD	21SJ102, Valve	<p>Description of Problem - Valve does not make open on closed indications illuminate.</p> <p>Action Taken to Correct - Found limit switch actuator arm twisted, tightened loose bolt on actuator.</p>
947340	PD	Turbine Trip Circuitry Modification	<p>Description of Problem - Install jumpers. This will cause a turbine latch simulation.</p> <p>Action Taken to Correct - Installed and removed jumpers.</p>
947423	PD	23 Aux Feed Pump	<p>Description of Problem - Can't control speed, speed goes to max.</p> <p>Action Taken to Correct - Calibrated pressure gauge, adjusted speed control linkage.</p>
948088	PD	M-133, Multimeter	<p>Description of Problem - Perform three month calibration.</p> <p>Action Taken to Correct - Performed calibration.</p>

# REFUELING INFORMATION

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

MONTH: June 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