

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272

UNIT Salem #1

DATE July 10, 1981

COMPLETED BY L.K. Miller

TELEPHONE 609-365-7000X507

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	70
23	85
24	781
25	1020
26	970
27	986
28	991
29	966
30	963
31	

OPERATING DATA REPORT

DOCKET NO.: 50-272
 DATE: July 10, 1981
 COMPLETED BY: L.K. Miller
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OPERATING STATUS

1. Unit Name: Salem #1
2. Reporting Period: June 1981
3. Licensed Thermal Power (Mwt): 3338
4. Nameplate Rating (Gross MWe): 1135
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 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	720	4,343	35,088
12. Number Of Hours Reactor Was Critical	211.5	2,735.9	19,164.9
13. Reactor Reserve Shutdown Hours	34.9	868.4	891.1
14. Hours Generator On-Line	189.7	2,616.0	18,225.2
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	552,912	7,991,367	53,898,594.8
17. Gross Electrical Energy Generated (MWH)	172,950	2,662,450	17,808,170
18. Net Electrical Energy Generated (MWH)	159,241	2,528,920	16,837,743
19. Unit Service Factor	26.3	60.2	51.9
20. Unit Availability Factor	26.3	60.2	51.9
21. Unit Capacity Factor (Using MDC Net)	20.5	54.0	44.5
22. Unit Capacity Factor (Using DER Net)	20.3	53.4	44.0
23. Unit Forced Outage Rate	73.7	39.8	35.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling, 10/31/81, 8 Weeks</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
09/30/76	12/11/76
11/01/76	12/25/76
12/20/76	06/30/77

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: June 1981DOCKET NO.: 50-272UNIT NAME: Salem #1DATE: July 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 609-365-7000X507

NO.	DATE	TYPE ¹	DURATION (HOURS)	REASON ²	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYM CODE ⁴	COMPONENT CODE ⁵	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
81-096	5/25/81	F	517.8	A	1	- - -	HA	TURBIN	High Turbine Vibration
81-098	6/23/81	F	12.5	A	1	- - -	HA	TURBIN	High Turbine Vibration
81-101	6/23/81	F	0.0	A	5	- - -	HH	FILTER	Clean Condensate Pump Suction Strainers
81-103	6/29/81	F	0.0	A	5	- - -	HC	HTEXCH	Clean #13 A Condenser
81-105	6/30/81	F	0.0	A	5	- - -	HF	FILTER	Clean #12 A Traveling Screen

¹
F: Forced
S: Scheduled

²
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)

³
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuation of
Previous Outage
5-Load Reduction

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

⁵
Exhibit I-Same
Source

MAJOR PLANT MODIFICATIONS
REPORT MONTH June 1981

UNIT NAME: Salem 1
DATE: July 10, 1981
COMPLETED BY: L.K. Miller
TELEPHONE: 609-365-7000 X507

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
LED-0201	Security	Modify Security Guardhouse
LED-0258	Emergency Lighting	Installed Emergency Lighting
LEC-0398	Reactor Coolant System	Modify Pressurizer Relief
LEC-0491	Service Water	Install Oil Fired Heater
LEC-0513	Circulating Water	Modify Circulating Water Screens
LET-0727	Safeguards Emergency Control	Perform Safeguards Emergency Testing
LET-0779A	Relay Room Ventilation	Measure the Air Flow
LEC-0781	Safety Injection	Change Alarm Setting on LT920 and LIT921
LEC-0841A	Reactor Coolant System	Replace Mechanical Snubbers
LEC-0855	Safeguard Emergency Control	Modify Safeguard Emergency Control
LEC-0978	Circulating Water	Increase Length of Sample Pipe
LEC-1016	Control Air	Add New 1-1/2" Check Valve
LET-1141	Vital Tray	Wrap 10 Feet for Experiment
LEC-1164	Main Steam Turbine	Remove L-4 Row on 13 Rotor
LEC-1220	Reactor Coolant	Add Instrumentation for Hot/Cold Leg Temperature
LEC-1235	Steam Generator Feed-water	Replace Thread Plug and Seal Weld
LEC-1246	Auxiliary Power Transformer	Reverse Field Wiring Transformer to Power Transformer CT's
LEC-1269	Residual Heat Removal	Add Break Flanges to Leakoff 1-RH-20
1MD-0119	Fire Protection	Install Manual Isolation Valve
1OD-0013	Auxiliary Alarm	Change Alarm Setting for AF-21
1PD-0175	Various Systems	Change ASCO solenoids.
1SC-0013	Condenser Air Removal	Vent Extension for 11AR58 & 13AR58
1SC-0184	Containment Electrical	Install Power Feed to Cherry Picker
1SC-0591	Main Steam	Change Material of Part on 11 & 13MS46
1SC-0001A	Fire Protection	Additional Sprinkler in TGA

MAJOR PLANT MODIFICATIONS

REPORT MONTH June 1981UNIT NAME: Salem #1DATE: July 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
1ED-0201	System not safety related and does not impact on any safety related systems.
1ED-0258	This DCR does not affect a safety related system or impact safety margin. This work is being done to improve plant operation upon loss at the primary lighting feed.
1EC-0398	The basic function of this "POPS" system is unchanged. The design change will improve system performance.
1EC-0491	This change is not safety related and does not affect safety related equipment. This will provide heat to prevent freezing of the traveling screens.
1EC-0513	This is not a safety related system.
1ET-0727	This test does not modify the circuitry. It monitors voltages using high input impedance amplifiers. Fire systems are not affected.
1ET-0779A	This test will not affect the system performance. Existing test slots in the ducts will be used for air flow and temperature measurements.
1EC-0781	This change revises the settings for the RWST high, low and low low level alarms and adds a low level (back-up) alarm. This does not alter the basic function of this level loop nor does it affect any other safety related functions or create any new safety hazards.
1EC-0841A	Implementation of this change does not involve a USQ as the design basis of the snubber has been upgraded and will not affect the seismic calculations performed in accordance with the FSAR.
1EC-0855	This design change is an improvement to an existing design to increase reliability. It does not modify the function of the equipment.
1EC-0978	This modification is involved only with a sampling pipe located in a non-safety related section of the circulating water outlet pipe. Failure of this sampling pipe will not affect station operation.
1EC-1016	The additional check valve and the downstream piping will be seismic class 1. This new flow path will not permit flow from safety related header to non-safety related header.
1ET-1141	No change to the function and operation characteristics of the system, therefore no USQ is involved.
1EC-1164	This DCR does not change the basic design and function of No. 13 low pressure turbine, therefore no USQ is involved.
1EC-1220	Equipment to be installed is for use during alternate shutdown due to postulated relay room fire. Equipment will not be connected during any other plant operating condition.

MAJOR PLANT MODIFICATIONS

REPORT MONTH June 1981UNIT NAME: Salem #1DATE: July 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59	SAFETY EVALUATION
1EC-1235	This design change does not alter the intended function of the S/G feedwater system nor is an unreviewed safety question involved.	
1EC-1246	This change does not affect the operation of a safety related system and does not change the operation of the auxiliary power transformer.	
1EC-1269	The addition of break flanges to the 1/2" leak off piping from valve 1 RH 20 does not alter the original design concept of the piping system in any way. This change does not alter the technical specification or the SAR.	
1MD-0119	This change adds a manual isolation down stream of the containment isolation valve of the fire protection system to facilitate the in service inspection requirements of the fire protection system.	
1OD-0013	This design change is required to meet the original functional requirements of the system.	
1PD-0175	The functional operation, capacity, requirements of valves affected are unchanged. This change is implemented to improve reliability.	
1SC-0013	This change will redirect exhaust vapors and entrained water from the condenser air removal system away from the condensate pump motors reducing a possible hazard of motor short-circuits. No USQ is involved.	
1SC-0184	This design change is not safety related and does not in anyway affect safety related systems or the safe shutdown of the plant.	
1SC-0591	The replacement of the existing valve disc, MTRL A-216, with a new disc, MTRL A-105, does not alter the original design concept of the piping system in any way. Also, this change does not alter the technical spec. or the S.A.R.	
1SC-001A	Addition of fire protection system for storage areas in the turbine building does not involve a change in S.A.R. or technical specifications and does not present any unreviewed safety questions.	

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG
UNIT 1

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
903037	MD	Service Water Intakes, Bay 3	Description of Problem - Repair all equipment in Bay 3 that has been damaged due to system failure. Action Taken to Correct - Repaired only equipment indicated on procedures.
918502	MD	11 Service Water Pump - Strainer	Description of Problem - Pump shear key is sheared. Action Taken to Correct - Shear key replaced.
919812	MD	14 Reactor Coolant Pump Fire Protection	Description of Problem - Investigate cause of alarm signal on 14 RCP zone. Action Taken to Correct - Removed detector which was shorting out end of line resistor, replaced reset button on CRT chasis.
920087	MD	13 Chiller	Description of Problem - 460V ABC verified closed and power to contactor, yet chiller will not operate. Action Taken to Correct - No apparent problem.
920462	MD	Valve, 13MS168	Description of Problem - Blowing steam. Action Taken to Correct - Replaced bonnet gasket and silver brazed cuts in seat.
920959	MD	Incore Detector System	Description of Problem - Replace "D" drive incore detector. Action Taken to Correct - Replaced "D" drive detector.
927439	MD	14 Steam Generator	Description of Problem - Steam leaks from sample inlet valve on 14 SIG steam sample heat exchanger 14SS17. Action Taken to Correct - Tightened packing gland on valve.
930186	MD	Service Water Line Monitor Tank Room	Description of Problem - Leak at elbow on service line to residue heat removal and safety injection pump room coolers. Action Taken to Correct - Made clamp for 4 inch elbow and installed with Furmanite.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
931791	MD	Incore Detector System Unit "C"	Description of Problem - Replace incore drive cable detector assembly on Drive "C". Action Taken to Correct - Installed new incore drive cables on B, C, and F assemblies.
934622	MD	12 Aux Building Supply Fan	Description of Problem - Change temporary roughing filter. Action Taken to Correct - Replaced roughing filters.
934636	MD	Ventilation System	Description of Problem - Changeout preroughing filters of 11 and 13 Aux Building exhaust fans. Action Taken to Correct - Installed new preroughing filters.
937962	MD	15 Service Water Pump - Strainer	Description of Problem - Handhole leaks excessively with pump in service. Action Taken to Correct - Repaired port holes with Belzona.
937975	MD	13 Control Room A/C Damper 1CAA8	Description of Problem - Three of the four dampers close when the fan is out of service, this causes 13 fan to rotate backwards. Action Taken to Correct - Had sticky substance on shaft cleaned and lubricated.
938010	MD	16 Service Water Strainer	Description of Problem - Strainer has to D.P. Strainer was backwashed but D.P. does not come down. Action Taken to Correct - Cleaned strainer, changed three bearing.
938029	MD	14 Fan Coil Unit	Description of Problem - Change roughing filters. Action Taken to Correct - Replaced filters.
938039	MD	15 Service Water Strainer	Description of Problem - Upper manway is leaking and spraying on 14 service water 3 motor operator. Action Taken to Correct - Cleaned strainer seats and covers. Replaced handholes.
938080	MD	13 Service Water Strainer	Description of Problem - Strainer does not operate in auto or manual. Action Taken to Correct - No apparent problem.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
938453	MD	1CS56, Valve	Description of Problem - Valve leaks from lower packing thru seal leak. Action Taken to Correct - Repacked valve.
938697	MD	Valve, 12MS167	Description of Problem - Valve will not closed hydraulically, valve is steamed closed. Action Taken to Correct - Added six gallons of oil.
939396	MD	Vent Valve, 1CV378	Description of Problem - Vent valve nipple sheared. Action Taken to Correct - Inservice hydro performed.
939652	MD	12B Diesel	Description of Problem - Starting air receiver, bottom blow leaking. Action Taken to Correct - Capped valve seat.
939710	MD	Diesel Generator Dampers	Description of Problem - Perform I/O 200775 exercise and lubricate. Action Taken to Correct - Lubricated and exercised diesel generator dampers.
939724	MD	Station Batteries	Description of Problem - Perform weekly surveillance on all station batteries. Action Taken to Correct - Performed weekly surveillance.
929725	MD	4KV Vital Busses	Description of Problem - Conduct vital bus under voltage functional tests on busses 1A, 1B, 1C. Action Taken to Correct - Performed under voltage test on vital busses 1A, 1B, 1C.
939726	MD	Reactor Coolant Pump Busses	Description of Problem - Perform under voltage and under frequency channel functional tests. Action Taken to Correct - Performed under voltage and under frequency test on 1E, 1F, 1G, 1H busses.
939742	MD	Valve, 1CV54	Description of Problem - Packing leak. Action Taken to Correct - Repacked valve.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
939756	MD	125 VDC Battery 1A	Description of Problem - Perform quarterly battery test. Action Taken to Correct - Performed quarterly battery summary.
939776	MD	Station Batteries	Description of Problem - Perform weekly surveillance on all station batteries. Action Taken to Correct - Performed weekly surveillance.
939816	MD	SEC	Description of Problem - Perform monthly M3B procedure. Action Taken to Correct - Performed procedure.
939825	MD	13SC024, Valve	Description of Problem - Install new springs and parts in valve. Action Taken to Correct - Installed new parts and lift set.
939826	MD	1A 28V Battery	Description of Problem - Perform quarterly battery test. Action Taken to Correct - Performed quarterly battery summary.
939827	MD	1B 28V Battery	Description of Problem - Perform quarterly battery test. Action Taken to Correct - Performed quarterly battery summary.
939836	MD	Valve, 1RH20	Description of Problem - Valve will not open. Action Taken to Correct - Valve disassembled, inspected and put back together.
939844	MD	11 Residue Heat Removal	Description of Problem - Inspect impeller. Action Taken to Correct - Removed, inspected, cleaned gasket area and replaced gasket, retorqued and reinsulated.
939845	MD	11 Residue Heat Removal Heat Exchanger	Description of Problem - Inspect tube sheet. Action Taken to Correct - Broke flanges on 11RHR15 and 16 for inspection by Westinghouse.
941763	MD	1C Diesel	Description of Problem - Ran diesel and did not receive SEC alarm. Action Taken to Correct - Found no problem.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
941764	MD	1A Diesel	Description of Problem - Ran diesel and did not receive SEC alarm. Action Taken to Correct - Found no problem.
941767	MD	15 Service Water Pump	Description of Problem - Strainer shear key broken. Action Taken to Correct - Replaced shear key.
941768	MD	16 Service Water Pump	Description of Problem - Upper motor bearing temperature at 181.8°F. Action Taken to Correct - Replaced motor.
941837	MD	14 Service Water Pump	Description of Problem - Replace pump strainer shear pin. Action Taken to Correct - Replaced shear key.
941857	MD	Valve, 1CV175	Description of Problem - Valve will not operate manual. Action Taken to Correct - Valve works properly.
941860	MD	Valve, 1SW27	Description of Problem - Line from main header to 1SW27 has 1/4 inch hole. Action Taken to Correct - Weld new pipe and flange on 3 inch pipe.
941877	MD	Valve, 15SW25	Description of Problem - Valve won't turn. Action Taken to Correct - Rebuilt valve bonnet, replaced needle bearing, stem, and diaphragm.
941889	MD	1B-125VDC	Description of Problem - 2K and ground, clear ground. Action Taken to Correct - Ground on 1MS274 cable wire was grounded to shidding, insulated and reinstalled.
942017	MD	Service Water	Description of Problem - Perform system walkdown at operating pressure. Action Taken to Correct - Walked down valves.
942033	MD	Snubber	Description of Problem - Perform inspection of snubber 1A-CVC-SU-100. Action Taken to Correct - Performed inspection.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
942470	MD	Boric Acid Exchange Tank	Description of Problem - High drift across 1 ion exchange filter. Action Taken to Correct - Removed old filter and installed a new filter.
942971	MD	Mech. Snubber Inspection	Description of Problem - Inspect all containment PSA snubbers. Action Taken to Correct - Inspected and stroke tested all PSA snubbers in containment.
943030	MD	11 Service Water Pump	Description of Problem - Pump failed 4.0.5.P test. Divers to investigate silt and take measurements in the bay, check pump clearance and decrease if retest fails. Action Taken to Correct - Uncoupled coupling, reset gap to .081, tightened packing. Pump still failed. Installed 25W pump in 11 Bay hole.
943152	MD	Valve, 13MS10	Description of Problem - Valve is weeping thru seat. Action Taken to Correct - Lapped and repacked.
943898	MD	1C Diesel Generator	Description of Problem - Generator lube oil high temperature alarm will not clear. Action Taken to Correct - Recalibrated alarms.
944444	MD	Valve, 14SW24-25	Description of Problem - Valve won't close. Action Taken to Correct - No apparent problem.
945005	MD	13SW24, Valve	Description of Problem - Valve leaking. Action Taken to Correct - Installed new valve body.
945617	MD	1B Emergency Diesel Generator	Description of Problem - Jacket water heater failure alarm will not clear. Action Taken to Correct - Rewired switch.
945625	MD	1RP4 Panel	Description of Problem - 1B and 1C undervoltage lites are illuminated for no apparent reason. Action Taken to Correct - Found bad diode, replaced capsule and restored circuit to normal operation.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
945643	MD	12 Primary Water Make-Up Pump	Description of Problem - 460V ACB does not always close when selected to start in automatic make-up mode. Action Taken to Correct - No apparent problem.
945685	MD	12 Boric Acid Transfer Pump	Description of Problem - Pump failed, due to low flow. Action Taken to Correct - Reset impell EUC running clearance.
945806	MD	Component Cooling Room Cooler	Description of Problem - Repair leak in the Component Cooling Room Cooler. Action Taken to Correct - No apparent problem.
947291	MD	Valve, 14SW24	Description of Problem - Valve leaking from casing. Action Taken to Correct - Installed new diaphragm.
947389	MD	1C Diesel Generator	Description of Problem - Generator tank high level alarm did not energize, but tank level was high. Action Taken to Correct - Freed frozen switch mechanism.
947421	MD	1B 28V DC Bus	Description of Problem - Adjust voltage to within normal limits. Action Taken to Correct - Readjusted battery charger.
947429	MD	Turbine Building Low Pressure Alarm	Description of Problem - With service water isolated there is no overhead alarm. Action Taken to Correct - Recalibrated device and closed in line in annunciator.
947439	MD	12 Control Area Supply Fan	Description of Problem - Can't stop from controls on 1RP2. Must open breaker locally. Action Taken to Correct - Checked out circuit and could not get the problem to repeat itself.
947988	MD	Hydrogen Recombiner	Description of Problem - Perform monthly functional test. Action Taken to Correct - Performed procedure.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
948059	MD	11 Service Water Pump	Description of Problem - Remove 11 Service Water Pump and install 22 Service Water Pump in its place. Action Taken to Correct - Replaced 11 Service Water Pump with 22 Service Water Pump.
948102	MD	16 Service Water Auto Strainer	Description of Problem - Inspect 16SW24 to insure proper operation. Action Taken to Correct - Installed valve after inspection and found no problem.
948146	MD	13 Charging Pump	Description of Problem - Test pump and check for piston leakage, repair piston leakage if found. Action Taken to Correct - Replaced packing, plungers and throat bushing in three cylinders.
948148	MD	1B Diesel	Description of Problem - Repair cooling water leak. Action Taken to Correct - Removed old pipe fitting and replaced with new piece of pipe.
909989	PD	Pressure Gages	Description of Problem - Calibrate PSSUG2 and PSSUG7. Action Taken to Correct - Calibrated PSSUG2 and PSSUG7.
909991	PD	PSIG Gage	Description of Problem - Calibrate as soon as possible. Action Taken to Correct - Calibrated PSSUG2.
909992	PD	PSSUG2	Description of Problem - Calibrate as soon as possible. Action Taken to Correct - Calibrated PSSUG2.
928389	PD	Instru., 1FT128	Description of Problem - Transmitter unstable. Action Taken to Correct - Replaced defective transmitter.
928646	PD	Valve, 14GB185	Description of Problem - No close limit light. Action Taken to Correct - Found limiting switch actuatry bar loose, tightened.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
928651	PD	Valve, 1MS52	Description of Problem - Install limit switches. Action Taken to Correct - Installed limit switches.
928688	PD	SSPS, Instru.	Description of Problem - Verify resistance reading across associated relay contacts when N31 detector re-energized. Action Taken to Correct - Verified resistances.
932621	PD	Instru., 1FT511	Description of Problem - 11 Steam Generator Feed Flow Channel II found out of calibration. Action Taken to Correct - Calibrated to proper specification.
934300	PD	Valve, 13MS10	Description of Problem - Disconnect P.D. related equipment for disassembly by Maintenance. Action Taken to Correct - Disconnected limit switches, booster relay and supply regulator.
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.
937990	PD	Pressurizer Level Ch. III	Description of Problem - Failed to approx. mid plane and oscillating. Action Taken to Correct - Found leak in hot shutdown transmitter. Closed HP and LP isolation valves. Tightened all connections.
938002	PD	Valve, 1PS1	Description of Problem - Check operation of 1PS1 spray valve, goes open when in auto, regardless of system pressure. Action Taken to Correct - Replaced defective controller 1PC455F.
938066	PD	12 Component Cooling Heat Exchanger	Description of Problem - Repair local flow indicator, reads zero with normal service water flow thru the heat exchanger. Action Taken to Correct - Blew down transmitter and set up controls for auto operation.

<u>WORK ORDER NUMBER</u>	<u>DEPT</u>	<u>EQUIPMENT IDENTIFICATION</u>	<u>EXPLANATION OF WORK PERFORMED</u>
938647	PD	Valve, 1PS1	<p>Description of Problem - In manual to auto unable to get closed light to illuminate.</p> <p>Action Taken to Correct - Adjusted limit switches and checked operator of controller.</p>
939843	PD	Valve, 1MS132	<p>Description of Problem - Disassemble operator, reassemble after inspection.</p> <p>Action Taken to Correct - Reconnected airline, limit switch and stroked.</p>
939849	PD	11 Residue Heat Removal Pump	<p>Description of Problem - Remove thermocouples and then reinstall after inspection.</p> <p>Action Taken to Correct - Reinstalled thermocouples and verified reasonable reading on computer.</p>
941776	PD	Instru., 1N32	<p>Description of Problem - Remove high voltage power supply from Unit 1 for use in Unit 2 2N32.</p> <p>Action Taken to Correct - Removed power supply and installed new power supply.</p>
941787	PD	Radiation Monitoring System	<p>Description of Problem - Reset set points on 1R11A, 12A and 12B to allow discharge of 14 GDT.</p> <p>Action Taken to Correct - Adjusted set points for gas release then adjusted back to normal.</p>
941789	PD	1R11A, 1R12A and 1R12B	<p>Description of Problem - Reset set points for GDT release.</p> <p>Action Taken to Correct - Set points adjusted for gas release. Then returned set points to normal after gas release.</p>
941797	PD	1R11A, 1R12A and 1R12B	<p>Description of Problem - Reset set points for GDT release.</p> <p>Action Taken to Correct - Set points adjusted for gas release. Then returned set points to normal after gas release.</p>
941800	PD	Charging/Letdown System	<p>Description of Problem - Install necessary jumpers for surveillance test.</p> <p>Action Taken to Correct - Installed and removed jumpers after surveillance test.</p>

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
941805	PD	Valve, 13MS10	Description of Problem - Valve diaphragm leaking air and no closed indication in Control Room. Action Taken to Correct - Replaced diaphragm with a new one.
941824	PD	11 Boric Acid Storage Tank	Description of Problem - Level indicator drifts. Action Taken to Correct - Checked level transmitter, blew out lines.
941836	PD	Valve, 12MS167	Description of Problem - Blown diode or tech. lite. Action Taken to Correct - Installed new diode at test button in output test cabinet.
941844	PD	1R11A, 1R12A and 1R12B	Description of Problem - Adjust alarm set points for gas release. Action Taken to Correct - Adjusted and readjusted to normal after gas release.
941880	PD	Pressurizer Pressure Ch. 3	Description of Problem - When Ch. 3 is selected pressurizer pressure reads 1800 PSIG. Pressurizer heaters go off and spray valves open, even in manual. Action Taken to Correct - Replace white and black wires going through flex cable to the E/P unit on 1PS3.
941892	PD	1R17A, Instru.	Description of Problem - 1R17A is in alarm. Action Taken to Correct - Put lead shielding around detector to prevent background readings.
941893	PD	Boric Acid Filter Inlet Gage	Description of Problem - Repair, replace or recalibrate PI-108. Action Taken to Correct - Blew out PI-108.
941898	PD	12 Reactor Coolant Pump	Description of Problem - Thrust bearing is failing. Action Taken to Correct - Replaced card K8.
942322	PD	Valve, 12SW65	Description of Problem - Inspect pipe flanges-spools up and down stream of 12SW65. Action Taken to Correct - Removed air lines, limit switches and then reconnected.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
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.
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.
945578	PD	13 Steam Line Pressure Instru.	Description of Problem - 13 steam line low pressure alarm. Action Taken to Correct - Found fuse on LPC536A-B out. Cleaned fuse and placed back into service.
947006	PD	Instru., 1N35	Description of Problem - P6 out of spec. Action Taken to Correct - Reset the trip and reset points of the P6 bi-stable.
947010	PD	Instru., 1N41 Power Range	Description of Problem - Input to 1QM411A out of spec., 2MV low, NM304 2MV low out of spec. Action Taken to Correct - Adjust NM307 and 304 to bring 1QM411A and NM304 into spec.
947112	PD	Instru., 1PT474	Description of Problem - Pressurizer pressure channel out of calibration. Action Taken to Correct - Adjusted 1PM474B lead lag module.
947122	PD	Instru., 1N35	Description of Problem - Adjust P6 to proper setting. Action Taken to Correct - Adjusted NC205 P6 bi-stable loop.
947310	PD	16 Service Water Pump	Description of Problem - Setup and zero clampitron for 4.0.5-P on 16 Service Water Pump. Action Taken to Correct - Set up gauge and zeroed clampitron for operation.
947450	PD	13 Component Cooling Pump	Description of Problem - Vent damper for 13 Component Cooling Pump motor will not open. Action Taken to Correct - Closed access hatch and adjusted damper.

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
948088	PD	M-133, Multimeter	Description of Problem - Perform three month calibration.
			Action Taken to Correct - Performed calibration.

REFUELING INFORMATION

DOCKET NO.: 50-272
 UNIT: Salem #1
 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 ☐

2. Scheduled date of next refueling: November 28, 1981

3. Scheduled date for restart following refueling: February 7, 1982

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

NOT DETERMINED TO-DATE October 1981

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

If no, when is it scheduled? September 1981

5. Scheduled date(s) for submitting proposed licensing action: October 1981 (If Required)

6. Important licensing considerations associated with refueling: NONE

7. Number of Fuel Assemblies:

A. In-Core 193
 B. In Spent Fuel Storage 104

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: September 1996

SALEM UNIT #1
OPERATING SUMMARY
JULY 1981

6/1 thru 6/21		Unit outage: Turbine repairs.
6/22	0423	Rx critical, rolling turbine to balance.
	1400	Turbine on-line, increasing power.
	2200	Steady at 50% RTP.
6/23	0000	Decrease power to bring turbine off-line to re-balance.
	0350	Rx trip from 12% RTP.
	0458	RX critical, re-balance turbine.
	0830	Rx power 3% RTP.
	1440	Turbine on-line, increasing power.
6/24	1900	Steady at 97% RTP to maintain minimum suction pressure to main feed pumps.