AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272
UNIT Salem #1
DATE January 11, 1980
COMPLETED BY L. K. Miller
TELEPHONE 609-365-7000 X507

MONTH December 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	130
13	0	29	0
14	0	30	90
15	0	31	149
16	0		

OPERATING DATA REPORT

DOCKET NO.: 50-272
DATE : January 11, 1980
COMPLETED BY: L. K. Miller
TELEPHONE: 609-365-7000 X507

OPERATING STATUS

1. Unit Name: Salem #1
2. Reporting Period: December 1979
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

Notes:

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason:
NONE

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

	This Month	Year to Date	Cumulative
11. Hours In Reporting Period	744	8,760	21,961
12. Number Of Hours Reactor Was Critical	246.9	2,431.4	10,088.0
13. Reactor Reserve Shutdown Hours	0	22.7	22.7
14. Hours Generator On-Line	71.8	2,233.1	9,531.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	69,070	6,551,561	27,536,297
17. Gross Electrical Energy Generated (MWH)	12,920	2,194,690	9,167,500
18. Net Electrical Energy Generated (MWH)	(2,261)	2,042,610	8,629,590
19. Unit Service Factor	8.6	25.4	43.4
20. Unit Availability Factor	8.6	25.4	43.4
21. Unit Capacity Factor (Using MDC Net)	0	21.6	36.4
22. Unit Capacity Factor (Using DER Net)	0	21.4	36.1
23. Unit Forced Outage Rate	90.8	61.3	45.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
NONE

25. If Shut Down At End of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	9/30/76	12/11/76
INITIAL ELECTRICITY	11/1/76	12/25/76
COMMERCIAL OPERATION	12/20/76	6/20/77

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1979

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: January 11, 1980
COMPLETED BY: L. K. Miller
TELEPHONE: 609-365-7000 X507

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR	LICENSE EVENT REPORT #	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE AND CORRECTIVE ACTION TO PREVENT RECURRENCE
79-329	12/1/79	F	101.5	D	4B	- - -	SH	ZZZZZZ	Safety Environmental Requirements
79-350	12/1/79	F	101.5	D	4B	- - -	SH	ZZZZZZ	NRC Tech. Specs./Reg. Guides
79-352	12/5/79	F	537.8	D	4B	- - -	SH	ZZZZZZ	NRC Required Mod/Add. to Plant
79-354	12/27/79	F	7.2	D	4B	- - -	SH	ZZZZZZ	NRC Tech. Specs./Reg. Guides
79-356	12/27/79	F	0.5	D	4B	- - -	SH	ZZZZZZ	Switchgear
79-358	12/27/79	F	30.3	D	4B	- - -	SH	ZZZZZZ	NRC Tech. Specs./Reg. Guides
79-360	12/29/79	F	18.8	D	4B	- - -	SH	ZZZZZZ	Required inspection or test
79-362	12/30/79	F	5.8	D	4B	- - -	SH	ZZZZZZ	NRC Tech. Specs./Reg. Guides
79-364	12/30/79	F	6.0	D	4B	- - -	SH	ZZZZZZ	Required inspection or test
79-365	12/30/79	F	17.6	D	4B	- - -	SH	ZZZZZZ	NRC Tech. Specs./Reg. Guides
79-366	12/31/79	F	7.6	D	3	- - -	CC	PUMPXX	Steam Generator High High Level

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-Other (Explain)
A. Load Reduction
B. Continuation of Previous Outage

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

5
Exhibit 1-Same Source

MAJOR PLANT MODIFICATIONS
REPORT MONTH December 1979

DOCKET NO.: 50-272
UNIT NAME: Salem #1
DATE: January 11, 1980
COMPLETED BY: L. K. Miller
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*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1ED-0068	Chemical Treatment	Add filters, valves and gauges to Panel 380 (Chemical Treatment Panel)
1EC-0452	Containment Various	Install upgraded solenoid valves
1EC-0453	Containment Pressure-Vacuum Relief	Install protective basket on 1VC15
1EC-0470	Condenser Air Removal	Install loop seals on vacuum pump drains
1EC-0471	Control Air	Replace 1CA129 with 2" nipple
1EC-0484	Main Turbine Lube Oil	Cut "Bow-Tie" grooves in #1, #9 & #10 bearings
1ET-0495A	CVCS	Retest for DCP's 1EC-0386, 0387 & 0514 (1CV3, 4, & 5 modification)
1EC-0561	Main Turbine Lube Oil	Install MTLO filter
1EC-0568	Fire Protection	Install additional hose reel in Aux. Building, El. 100'
1EC-0623	Main Steam	Remove overload jumpers on MS-167's hyraulic operators
1ET-0681	S.G. Instruments	NDE testing of instrument lines
1EC-0699	Containment Sump	Revise setpoint of level transmitters
1MD-0103	Containment TV	Install ventilation to TV cameras
1PD-0087	DM Water	Install remote DM level indicators
1SC-0009	Sampling System	Install leak rate test connections at 1SS107 and 110
1ST-0178	RHR Pumps	Temporary DM supply for C.C. outage
1ST-0179	Charging Pumps	Temporary DM supply for C.C. outage
1SS-0011	Fire Protection	Install new cardox P.B. station for vital bus area CO_2
1EC-0465	Condenser Retubing	Remove and install control air piping

* DESIGN CHANGE REQUEST
8-1-7.R1

MAJOR PLANT MODIFICATIONS

REPORT MONTH December 1979

DOCKET NO.: 50-272

UNIT NAME: Salem #1

DATE: January 11, 1980

COMPLETED BY: L. K. Miller

TELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
1ED-0068	This is not a safety related change and does not affect safety related equipment.
1EC-0452	This change replaces existing equipment with equipment qualified to latest seismic and environmental standards. The function of circuits has not been altered. The existance of detailed reliability data on new equipment enhances the reliability of the circuits. Material, installation physically similar and functionally identical.
1EC-0453	The subject change does not affect any presently performed safety analysis nor does it create any new safety hazards. The bases of the Tecnical Specifications are not affected.
1EC-0465	This design change does not affect any presently performed safety analysis nor does it create any new safety hazards. The bases ot the Tech. Specs. are not affected.
1EC-0470	This change affects only non-safety related equipment and does not involve any previously conducted accident analyses, nor does it create conditions which would require additional safety analysis. It also does not affect the bases of the Technical Specifications.
1EC-0471	The subject design change request is non-safety related and does not impair any safety related system function or reliability function. The changes involved are non-nuclear and seismic class 3.
1EC-0484	This design change does not affect any presently performed safety analysis nor does it create any new hazards. The bases of the Technical Specifications are not affected.
1ET-0495A	Operation modes will be simulated in this test, therefore, everything will be within the design bases and an unreviewed safety question is not involved.
1EC-0561	This design change will not require a change to the Tech. Specs or FSAR. The additional filter equipment nor the surrounding equipment is safety related. This modification will improve the main turbine lube oil cleanliness and increase reliability.
1EC-0568	This installation of the hose station required by this DCR has been previously reviewed and it has been found that it does not present and unreviewed safety question. No additional fire hazard is introduced by the addition of this hose station. It improves the plant safety features against fire.
1EC-0623	The modification does not change the functional operation of the system nor degrade its performance.
1ET-0681	The retest will establish the specification requirements for the instrument process lines involved.

* DESIGN CHANGE REQUEST

MAJOR PLANT MODIFICATIONS

REPORT MONTH December 1979

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COMPLETED BY: L. K. Miller

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*DCR NO.	10CFR50.59 SAFETY EVALUATION
1EC-0699	Implementation of this DCR will insure a safer shutdown of the NSSS equipment following an accident involving a breach in the primary coolant system by providing anti-vortex baffles in the reactor bldg. sump pit on the suction side of the residual heat removal pumps.
1MD-0103	The subject change does not affect any presently performed safety analysis nor does it create any new safety hazards. The bases of the Technical Specifications are not affected.
1PD-0087	This change is not safety related and does not affect safety related equipment.
1SC-0009	This design change is not safety related and does not in any way affect any safety related systems or the safe shutdown of the unit.
1ST-0178	The use of DM water as cooling to the RHR pump seal heat exchangers in lieu of component cooling will not pose an unreviewed safety question as this test will be conducted with the plant in a cold shutdown condition.
1ST-0179	The use of DM water as cooling to the charging and safety injection pump seal heat exchangers in lieu of component cooling will not pose an unreviewed safety question as this test will be conducted with the plant in a cold shutdown condition.
1SS-0011	Not safety related and does not affect any safety related system.

* DESIGN CHANGE REQUEST

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Performance

REPORT MONTH December 1979

DOCKET NO.: 50-272

UNIT NAME: Salem #1

DATE: January 11, 1980

COMPLETED BY: L. K. Miller

TELEPHONE: 609-365-7000 X507

WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
911838	Instrument, 1N31 source range	Investigate & repair cause of excessive noise	Replaced detector, pre-amplifier, & rebuilt high voltage triaxial plug at drawer
911838	Instrument, 1N35 source range (NIS)	Investigate & repair cause of excessive noise	Replaced detector, high voltage power supply & C.V. triaxial plug at drawer
915218	Damper, containment pressure relief	Control air supply solenoid SV930 is sticking	Replaced solenoid valve
915222	Instrument, 1FT510 (11 S.G. feedwater flow channel)	Module 1BS510A found out of spec. during functional test. Problem resulted from defective signal isolator module 1FM510A	Replaced signal isolator module 1FM510A
915224	Instrument, 1FT128 (Charging pump discharge flow trans.	There is a 36 GPM charging seal flow with 0 GPM indicated. Transmitter out of calibration.	Calibrated flow transmitter
915292	Instrument, 1N41 power range, (NIS)	Amplifier module NM306 out of calibration	Adjusted gain of module NM306
915296	Instrument 1N41 power range, (NIS)	Amplifier module NM301 out of spec. Cables from drawer to reactivity computer were shorted together	Isolated and cleared short
915297	Valve operator, 13MS171	Control air supply regulator has blown regulator	Replaced control air supply regulator
915306	Instrument, 1N43 power range (NIS)	Upper, lower flux signals loading. Reactivity computer input signals are not isolated causing loading.	Moved reactivity computer input signals to proper outputs of the isolation amplifier. Rescaled amplifiers A-1, A-3 & ΔI Recorders
915322	Instrument, 1N31 source range (NIS)	Cable plug on high voltage power supply has broken center jack	Replaced connector

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Performance

REPORT MONTH December 1979

DOCKET NO.: 50-272

UNIT NAME: Salem #1

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
915334	Inst., 1N41 power range (NIS)	Cable connector on high voltage from picoammeter is introducing noise into the reactivity computer	Rebuilt high voltage cable plug
915150	Inst., 1N41 power range (NIS)	Reset ΔI recorder for 100% operator, found faulty axial flux detector Hi-Lo selector relay	Set target band for +2.5 at 100% power, replaced relay
915614	Inst., reactor incore thermocouples	5 thermocouples have leakage at connection	Tightened connections, stopped leakage
915615	Inst., 1N42 power range (NIS)	Recorder 1XA5904RB will not calibrate	Replaced recorder 1XA5904RB
915637	Inst., 1N44 power range (NIS)	Amplifier NM301 out of spec	Calibrated amplifier NM301
915731	Inst., 1N43 power range (NIS)	Red pen on NR43 recorder out of adjustment	Adjusted zero on the red pen
915840	Valve operator, 13MS171	Valve operator leaks air, operator diaphragm failed	Replaced failed diaphragm, stroked valve
917429	Heat trace, 1055 vital	Will not turn off. Thermostat contact out of adjustment.	Adjusted thermostat
917440	Heat trace, T221P vital	Thermostat contacts stuck closed, contacts out of adjustment.	Adjusted thermostat
917545	Inst., 2D5 Rod Position Indication	Indication out of step with group	Rod position indication recalibrated
917546	Inst., 2SA1 Rod Position Indication	Indication out of step with group	Rod positon indication recalibrated

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Performance

REPORT MONTH December 1979

DOCKET NO.: 50-272

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
917556	Inst., 1FT128 (Charging Pump discharge flow trans)	Indicator on console about 50 GPM low. Flow transmitter may be out of cal.	Calibrated flow transmitter
919363	Valve Operator, 1CV179	Control switches to manual when flow setpoints is increased in the auto mode. Dirty relays in servo setpoint station.	Reset and cleaned relays.
919371	Inst., FA3176C-1	In high speed, indicated flow is 1900 GPM. Setpoints out of adjustment	Reset high speed setpoint to 25%
919377	Damper operators, 1CAA3, 1CAA4	Failed to close. Damper binding limit switch out of adjustment	Freed damper, lubricated, adjusted limit switch
919378	Valve, airlock seal air supply regulator	Adjust regulator to required setpoint range.	Adjusted regulator
919394	Inst., FA3165Z-1 (12 Cont. Fan Coil Unit Inlet Flow Transmitter)	Check, calibrate. Does not control service water flow	Blewdown and calibrated
919394	Inst., FA3540Z-1 (12 Cont. Fan Coil Unit Outlet Flow Transmitter)	Check, calibrate. Does not control service water flow. Oscillator amp. defective	Replaced oscillator amplifier, calibrated.
919400	Inst., LA5744-1 & LA1688-1(Aux. FW Storage Tank Level Transmitters)	Calibrate.	Calibrated
919406	Inst. 1R15 Radiation Monitor Channel (Condenser Air Ejector)	Detector faulty	Replaced detector

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Performance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
919456	Inst., 1R1B Radiation Monitor Channel (Control Room Intake Duct)	Detector Faulty.	Replaced detector, calibrated channel
919524	Inst., Air particulate detector radiation monitor	Belt broken	Replaced broken belt
929204	Damper operator, 1SWV7	Control air supply solenoid valve SV562 coil failed	Replaced solenoid valve coil
929230	Inst., 1N31 source range (NIS)	High voltage meter indication drifts	Replaced meter
929246	Inst., 1PC457E & 1PC474B (Pressurizer Pzr Comparator)	Recalibrate	Recalibrated
929247	Inst., 1TE440B (14 Rx Coolant Loop Temperator Element)	Failed open	Replaced
929248	Inst., 1N41 power range (NIS)	Amplifiers NM301 & NM302 out of calibration	Calibrated NM301 & NM302
929309	Inst., 1FT522 (12 S.G. Stm. Flow Transmitter)	Module 1FM522C out of cal.	Calibrated module 1FM522C
929335	Inst., 1PT948A (Cont. Pressure Trans. Protection Channel IV)	Pressure comparator 1PC-948A/D out of calibration. Pressure recorder 1PR948A out of specification.	Calibrated 1PC948A/D and recorder 1PR948A
929338	Inst., 1FT531 (13 S.G. FW Flow Trans. Channel II)	Flow comparator 1FC531A/B	Calibrated flow comparator

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Performance

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
929820	Inst., 1R18 Radiation Monitoring Channel.	Failed low. Faulty detector wire connections	Solder repaired connector
929849	Valve Operator, 1PR1	Air operator bolts loose.	Tightened bolts
929233	Inst., 1N44 power range (NIS)	Test point TP442-1 in rack 15 out of spec. high	Reset
919506	Valve Operator, 1CV179	Gauge on regulator has broken glass, valve oscillates badly due to faulty relays	Replaced broken gauge glass, Replaced faulty relays.
905424	Inst. 1N31 source range (NIS)	Extremely sensitive to noise generated by welding etc. Possible deficiencies in cable plugs and jacks	Rebuilt all cable plugs and jacks

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

DOCKET NO.: 50-272

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
OD-5556	Valve, 12CC14	Relief valve relieving while RHR heat exchanger is out of service. Dirt in internals	Disassembled, cleaned terminals reassembled. Popping pressure setpoint tested.
900223	Valve, 1VC4	Butterfly disc pin sheared, valve linear damaged and and dislodged.	Valve removed from system, sent to vendor for factory repairs.
900228	Valve, 1VC5	Valve to be repaired/modified by vendor.	Valve removed & shipped to vendor for factory repairs/modification. Modified spare valve installed.
900852	Heat Exchanger, 14 Stm. Generator	Inspect & machine as necessary inboard manway cover	Manway inspected, machined and reinstalled
901610	Valve, 11MS12	Disassemble, inspect, lap, reassemble	Work completed
901609	Valve, 11MS11	Disassemble, inspect, lap, reassemble	Work completed
901611	Valve, 11MS13	Disassemble, inspect, lap, reassemble	Work completed
901612	Valve, 11MS14	Disassemble, inspect, lap, reassemble	Work completed
901613	Valve, 11MS15	Disassemble, inspect, lap, reassemble	Work completed
901614	Valve, 12MS11	Disassemble, inspect, lap, reassemble	Work completed
901615	Valve, 12MSI2	Disassemble, inspect, lap, reassemble	Work completed

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
901616	Valve, 12MS13	Disassemble, inspect, lap, reassemble	Work completed
901617	Valve, 12MS14	Disassemble, inspect, lap, reassemble	Work completed
901618	Valve, 12MS15	Disassemble, inspect, lap, reassemble	Work completed
901624	Valve, 14MS11	Disassemble, inspect, lap, reassemble	Work completed
901625	Valve, 14MS12	Disassemble, inspect, lap, reassemble	Work completed
901626	Valve, 14MS13	Disassemble, inspect, lap, reassemble	Work completed
901627	Valve, 14MS14	Disassemble, inspect, lap, reassemble	Work completed
901628	Valve, 14MS15	Disassemble, inspect, lap, reassemble	Work completed
902124	Valve, 15SW25	Valve stem is off bushing Will not move.	Disassembled, repaired, re-assembled
902801	Valve, 14GB4	Failed leak rate testing. Repair.	Installed new gaskets, repacked valve, machined seat & disc. Valve was reassembled and passed leak rate testing.
905585	Valve, 12SW124	Repair pin hole leak at welded joint to nipple. Pipe metal erroded, corroded.	Repaired pin hole leak
906019	Heat Exch., 12 S.G.	Machine manway pad, gasket surface pitted.	Machine gasket surfaces

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
906022	Heat Exch., 11 Stm. Generator	Machine inboard manway cover as per West. letter	Machined manway covers
906023	Heat Exch., 11 Stm. Generator	Machine outboard manway cover as per West. letter	Machined Manway covers.
906024	Heat Exch., 12 Stm. Generator	Machine inboard manway cover as per West. letter	Machined Manway covers.
906025	Heat Exch., 12 Stm. Generator	Machine outboard manway cover as per West. letter	Machined Manway covers.
906026	Heat Exch., 13 Stm. Generator	Machine inboard manway cover as per West. letter	Machined Manway covers.
906028	Heat Exch., 14 Stm. Generator	Machine outboard manway cover as per West. letter	Machined Manway covers.
906029	Heat Exch., 11 Stm. Generator	Machine inboard secondary manway pad as per West. letter.	Machined manway pad.
906104	Heat Exch., 13 Stm. Generator	Machine inboard manway pad	Machined manway pad
906115	Heat Exch., 13 Stm. Generator	Machine outboard manway pad	Machined manway pad
906119	Heat Exch., 11 Stm. Generator	Machine outboard manway pad	Machined manway pad
906120	Heat Exch., 12 Stm. Generator	Machine outboard manway pad	Machined manway pad
906121	Heat Exch., 14 Stm. Generator	Machine outboard manway pad	Machined manway pad

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
906127	Pump, 11 Charging Safety Injection	Disassemble, inspect & repair as necessary	Replaced rotating assembly
913705	Pump, 22 Chiller Recirculating	Expansion joint leaking badly, failed	Replaced expansion joint spool piece
913820	Heat trace, 221T Primary	Thermostat does not turn off circuit. Contacts out of adjustment	Adjusted contacts, thermostat functionally tested.
913846	Heat trace, 212B Vital	Contacts stuck. Switch movement touching conduit union in controller	Adjusted switch movement
914293	Filter, 11 Cont. Fan Coil Unit	Roughing filters dirty, replace	Replaced filters
915346	Heat trace, Cont. Vent. Stack Flow Trans. Sensing Line	Temporaty heat trace sen-ing line	Temporary heat traced sensing
916084	Valve, 11SJ40 & 12SJ40	Repack, packing failed	Repacked
917389	Valve, 14MS175	Handwheel missing	Replaced handwheel
917405	Valve, 13SW236	Handwheel damaged	Replaced handwheel
917423	Strainer, 11 Ser-vice water pump	Repack, packing failed	Repacked
917506	Pump, 11 Safety Injection	Inboard, outboard seals leaking. Pump has a rub due to cracked spacers.	Replaced spacers, replaced inboard & outboard seals
917537	Valve, 13MS171	Leaks through seat.	Lapped seat & stem assembly. Replaced all gaskets

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
919402	Orifice, 11 Main steam piping 3/32" piping flow orifice	The 3/32" flow orifice upstream of 11MS200 has hole	Sealed flange leak with furminite
919407	Valve, 11MS6	Repack, packing failed	Repacked
919478	Breaker, 2C 4KV 2C4D	No open/closed indication on console. Console mounting box adapter in 28 VDC indication circuit failed	Replaced adaptor, tested circuit.
919488	Valve, 1SJ149	Replace, packing failed	Repacked
919490	Inst., LD7755-1 (14 Residual Heat Removal Sump Pump Level Switch)	Level switch operating improperly. Operating device dirty, sticking	Cleaned and oiled
919494	Pumps, 11 & 12 Charging	Lubricate pump coupling, preventative maintenance	Lubricated coupling
919504	Bus, 1ADC #9 Breaker 1A 125 VDC	Apparent ground on the 1EP 480 VAC Pzr. Heater Breaker. Broken insulator on 1A Regulator Supply EP Htr. Bus. Bkr.	Repaired broken insulator
919508	Pump, 11 Boric Acid	Oil seals leak, Internals damaged	Replaced shaft bearings, oil seals, shaft & mechanism seals
919535	Valve, 15SW25	Does not close by use of handwheel. Valve race bearings, handwheel allen screws, stem o'ring are defective.	Replaced defective parts
919561	Inst., FD7668-1(14 Control Rod Drive Vent Fan Lo-Air Flow Switch)	Intermittent annunciator alarm. Faulty flow switch.	Replaced flow switch.

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
919562	Pump, 11 Distil-late	Pump suction flange is leaking, gasket failed.	Replaced gasket and motor
919562	Motor, 11 Distillate pump	Motor stator oil relief valve has water coming out. Motor stator defective	Replaced motor stator
919605	Valve, 13GB3	Repack, packing failed	Repacked
919625	Valve, 13RC21	Repack, packing failed	Repacked
919629	Valve, 13RC27	Repack, packing failed	Repacked
919662	Valve, 12MS174	Repack, packing failed	Repacked
919665	Valve, 12MS7	Repack, packing failed	Repacked
919682	Valve, 12MS199	Repack, packing failed	Repacked
919708	Airlock, 100' El., Personnel	Air leakage, Latch mechanism out of adjustment	Reversed inner, outer door seals Realigned latch mechanism
919713	Pump, 13 Component Cooling	Axial movement. Defective bearing housing, oil seals & bearings	Replaced bearing housing, oiled seals, bearings
919740	Valve, 14RC25	Repack, packing failed	Repacked
919755	Inst., 1FE499B-1 (12 Rx Coolant Loop Flow Orifice)	Flange leaks, gaskets failed	Replaced flange gaskets
919757	Valve, 11RC24	Repack, packing failed	Repacked
919758	Valve, 11RC28	Repack, packing failed	Repacked

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

DOCKET NO.: 50-272

UNIT NAME: Salem #1

DATE: January 11, 1980

COMPLETED BY: L. K. Miller

TELEPHONE: 609-365-7000 X507

WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
919765	Valve, 13MS7	Body to bonnet leak, gasket failed	Replaced gasket
919767	Valve, 1PS2	Stem broken	Replaced valve spindle & repacked
919795	Airlock, 100' El., Cont. Personnel	Door hinge pin damaged	Replaced latch pin, tightened latch turnbuckle, tightened latch hinge
920188	Valve, 14SW223	Valve fluctuates. Sticky actuator arm binding	Adjusted actuator arm
929811	Pump, 11 Boric Acid Tank	Oil Seal Leak. Oil Seal failed	Replace oil seal
929821	Valve Operator, 12CW126	Motor wired backwards, motor overload, breaker tripped	Rewired motor correctly
906098	Piping, Service Water Spool Piece	Pipe leaks, salt water induced corrosion & silt errosion. Have reduce pipe wall thickness	Weld repaired leaks, built up wall thickness with weld metal. Installed Belzona molecular lining.
914341	Valve, 1PR9	Repack, packing failed	Repacked
917568	Valve, 13RC16	Repack, packing failed	Repacked
917578	Valve, 14RC28	Repack, packing failed	Repacked
917579	Valve, 14RC24	Repack, packing failed	Repacked
919589	Fan, 11 FHB Exhaust	Drive belt off	Replaced drive belts

SUMMARY OF SAFETY RELATED MAINTENANCE

DEPARTMENT Maintenance

REPORT MONTH December 1979

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WORK ORDER NO.	EQUIPMENT	FAILURE DESCRIPTION	CORRECTIVE ACTION
919602	Valve, 14RC25	Repack, packing failed	Repacked
919603	Valve, 12SJ54	Repack, packing failed	Repacked
919614	Valve, 11RC12	Repack, packing failed	Repacked
919619	Valve, 11RC16	Repack, packing failed	Repacked
919623	Valve, 13RC11	Repack, packing failed	Repacked
919624	Valve, 13RC12	Repack, packing failed	Repacked
919628	Valve, 13RC19	Repack, packing failed	Repacked
919630	Valve, 1RC7	Repack, packing failed	Repacked
919631	Valve, 1PS11	Repack, packing failed	Repacked
919646	Valve, 11MS130	Repack, packing failed	Repacked
919661	Valve, 12MS173	Repack, packing failed	Repacked
919670	Valve, 14MS173	Repack, packing failed	Repacked
919683	Valve, 12MS130	Repack, packing failed	Repacked
919689	Valve, 14MS131	Repack, packing failed	Repacked
919787	Valve, 14MS8	Repack, packing failed	Repacked
919815	Valve, 1SJ19	Repack, packing failed	Repacked

SALEM UNIT #1
OPERATING SUMMARY
DECEMBER 1979

12/1 thru 12/22 — Cycle 2 initial criticality occured at 1640 on 12/1/79. Low power physics testing commenced on 12/1 and ran through to 12/12. The unit was shutdown at 1726 on 12/12 to modify piping supports on the emergency diesel generator auxiliary support systems. Startup recommenced on 12/22.

12/23 thru 12/24 — Reactor critical at 0020. Low power physics testing was completed by 0700 on 12/24. For the remainder of the day plant was less than 1% power.

12/25 thru 12/27 — Plant power was increased to 5% by 1240 on 12/26 and held at less than or equal to 5% during which time the balancing of the turbine generator was checked. Plant power increase from 5% to 20% power was commenced at 1140 on 12/27. Power was held at 20% to stabilize turbine generator temperatures in preparation for the turbine trip test. Unit power was reduced to 7%, the trip test performed and unit power returned to 15% by 2400 on 12/27.

12/28 — Unit power increased to 20% by 0200 and held at 20% for flux mapping.

12/29 — Unit power held at 20% until 0425 when load was decreased to 7% in preparation for the turbine overspeed trip test. At 0530, the reactor tripped due to a turbine trip. Reactor critical at 1714 and plant power increased to 5% by 2400.

12/30 — Plant power being increased. At 0430, power was decreased to less than 5% to allow repairs to be made to the turbine generator exciter cooler. Load increase commenced at 1120 and power stabilized at 30% by 2100 for test data collection. Load increase commenced at 2300.

12/31 Load increase in progress. Reactor trip occured at 0536 following the loss of #11 main feedwater pump. Reactor critical at 1135 and load increase to 40% commenced. Unit load stabilized at 40% by 2040.

REFUELING INFORMATION

DOCKET NO.: 50-272
UNIT: Salem #1
DATE: January 11, 1980
COMPLETED BY: L. K. Miller
TELEPHONE: 609-365-7000
X507

MONTH: December 1979

1. Refueling information has changed from last month:

   YES _____ NO X

2. Scheduled date of next refueling: September 20, 1980
3. Scheduled date for restart following refueling: November 16, 1980
4. A. Will Technical Specification changes or other license amendments be required? YES _____ NO _____
   NOT DETERMINED TO-DATE December 1979

   B. Has the reload fuel design been reviewed by the Station Operating Review Committee? YES _____ NO X
   If no, when is it scheduled? July 1980
5. Scheduled date(s) for submitting proposed licensing action:
   August 1980 (If Required)
6. Important licensing considerations associated with refueling:
   NONE
7. Number of Fuel Assemblies:
   A. In-Core 193
   B. In Spent Fuel Storage 40
8. Present licensed spent fuel storage capacity: 264
   Future spent fuel storage capacity: 1,170
9. Date of last refueling that can be discharged to the spent fuel pool assuming the present licensed capacity: September 1982