

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-272

UNIT Salem #1

DATE April 10, 1981

COMPLETED BY L.K. Miller

TELEPHONE 609-365-7000 X507

MONTH March 1981

DAY AVERAGE DAILY POWER LEVEL (MWe-NET)

1	580
2	0
3	0
4	0
5	0
6	2
7	826
8	1072
9	1076
10	1089
11	1089
12	1092
13	1092
14	1090
15	1076
16	1032

DAY AVERAGE DAILY POWER LEVEL (MWE-NET)

17	1025
18	1078
19	1072
20	1063
21	1060
22	1089
23	1083
24	1085
25	1091
26	1083
27	1072
28	206
29	0
30	0
31	0

OPERATING DATA REPORT

DOCKET NO.: 50-272

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OPERATING STATUS

1. Unit Name: Salem #1
2. Reporting Period: March 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:

Notes:

NONE

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

	This Month	Year to Date	Cumulative
11. Hours In Reporting Period	744	2,160	32,905
12. Number Of Hours Reactor Was Critical	537.8	1,899.4	18,328.4
13. Reactor Reserve Shutdown Hours	89.9	89.9	112.6
14. Hours Generator On-Line	527.2	1,837.8	17,447.0
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	1,721,854	5,575,724	51,482,951.8
17. Gross Electrical Energy Generated (MWH)	579,710	1,873,450	17,019,170
18. Net Electrical Energy Generated (MWH)	553,416	1,789,076	16,097,899
19. Unit Service Factor	70.9	85.1	53.0
20. Unit Availability Factor	70.9	85.1	53.0
21. Unit Capacity Factor (Using MDC Net)	68.9	76.8	45.3
22. Unit Capacity Factor (Using DER Net)	68.2	76.0	44.9
23. Unit Forced Outage Rate	29.1	14.9	33.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			
Refueling, 10-3-81, 8 Weeks			

25. If Shut Down At End of Report Period, Estimated Date of Startup: 4/26/81
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	09/30/76	12/11/76
INITIAL ELECTRICITY	11/01/76	12/25/76
COMMERCIAL OPERATION	12/20/76	06/30/77

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March 1981DOCKET NO.: 50-272UNIT NAME: Salem #1DATE: April 10, 1981COMPLETED BY: L.K. MillerTELEPHONE: 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
81-059	3/1/81	F	11.0	A	3	- - -	HH	PUMPXX	#11 Steam Generator Feed Pump Trip
81-061	3/2/81	F	115.2	B	4	- - -	CB	VESSEL	Pressurizer Snubber Inspection
81-063	3/16/81	F	0.0	A	5	- - -	HH	FILTER	Clean #12 Condensate Suction Strainer
81-065	3/17/81	F	0.0	A	5	- - -	HF	PUMPXX	#13 Circulating Water Pump Trip While #13B Condenser Out Of Service For Cleaning
81-067	3/19/81	F	0.0	A	5	- - -	HC	HTEXCH	#13B Condenser Tube Leak
81-071	3/28/81	F	90.6	A	1	- - -	HA	TURBIN	#13 Low Pressure Turbine High Vibration

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
9-Other

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

⁵
Exhibit I-Same
Source

MAJOR PLANT MODIFICATIONS

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

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
1ED-0308	Met. Tower	Interface with RMS
1EC-0772	Auxiliary Feedwater	1AF94 Hard Pipe Drain Line
1EC-0783	Annunciators	Add New Acknowledge Button
1EC-0914	Moisture Separator and Reheater	Cut Opening in Shell End Plate
1EC-0916	Condensate Polishing	Install Upper Interface Sight Glass
1ET-0935	Demineralized Water	Test on Transfer Pump
1EC-1033	Radiation Monitoring	Temporary Disconnection of TB21-7
1ET-1153	Reactor Coolant	Test Mechanical Snubbers
1OD-0042	Pressurizer Relief	Install Ladder on Pressurizer Relief Tank
1SC-0331	Auxiliary Feedwater	Increase Tubing Size

* DESIGN CHANGE REQUEST

8-1-7.R1

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MAJOR PLANT MODIFICATIONS

REPORT MONTH March 1981

DOCKET NO.: 50-272

UNIT NAME: Salem #1

DATE: April 10, 1981

COMPLETED BY: L.K. Miller

TELEPHONE: 609-365-7000 X507

*DCR NO.	10CFR50.59. SAFETY EVALUATION
1ED-0308	This design change is not safety related and does not affect any safety related system.
1EC-0772	The design change will preclude possible spraying of water to vital components in the switch gear room and will direct discharge of the AF drain valve to the nearest floor drain. No unreviewed safety or environmental questions are involved.
1EC-0783	This is not a safety related change and does not affect safety related equipment.
1EC-0914	The installation of internal manways does not involve any changes to safety related components. These manways are required only for inspection purposes.
1EC-0916	This change involves the installation of two additional sight glasses in the condensate polishing system cation regeneration vessel. This modification does not involve an unreviewed safety question. The installation does not constitute a new hazard not previously analyzed.
1ET-0935	The modification to this system does not affect previously performed safety analysis, nor does it create any new hazards. The system is not safety related. The technical specifications for this system remain the same.
1EC-1033	At the occurrence of a 'high flux at shutdown' alarm in the control room, the operator is to verify the accuracy of it via the source range indicators and/or recorder. If it is a radiation problem, the operator is instructed to press the evaluation horn test pushbutton located in the control room. This DCR does not represent either an unreviewed safety or environmental question.
1ET-1153	This DCR is for testing purposes only and does not change any design parameters.
1OD-0042	Installation of access ladder to pressurizer relief tank does not affect any previously performed safety analyses. Does not affect the safe operation of the plant, and does not constitute an unreviewed safety question.
1SC-0331	The intent of the design change is to improve system performance. A functional change to this system is not involved.

MAR 31 1981

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

0001

Unit 1

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
910647	M	VALVE, 13MS167	
		DESCRIPTION OF PROBLEM,	ERRATIC OUTPUT.
		CAUSE,	FAULTY PILOT-OPERATED SOLENOID
		CORRECTIVE ACTION,	REPLACED SOLENOID
913583	M	#11 FUEL HANDLING BUILDING EXHAUST	
		DESCRIPTION OF PROBLEM,	STARTING UNIT DOES NOT DE-ENERGIZE >LOW-FLOW> ALARM
		CAUSE,	FAULTY FLOW DEVICES AND BELTS
		CORRECTIVE ACTION,	REPLACED FLOW DEVICES AND INSTALLED 4 NEW BELTS
934023	M	PUMP, 15 SERVICE WATER	
		DESCRIPTION OF PROBLEM,	WATER LEAK INTO OIL
		CAUSE,	COOLER LEAK
		CORRECTIVE ACTION,	REPLACED FITTINGS ON SW COOLER
934058	M	SPENT FUEL PIT	
		DESCRIPTION OF PROBLEM,	PIT IS LEAKING
		CAUSE,	HOLES IN PIT
		CORRECTIVE ACTION,	MACHINED 4 PLATES TO BE USED TO PATCH OVER HOLES
942714	M	PUMP, 12 BORIC ACID TRANSFER	
		DESCRIPTION OF PROBLEM,	NOISY

SORTED BY
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

MAR 31 1981

0002

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		CAUSE,	BEARING CAME APART
		CORRECTIVE ACTION,	REPLACED BEARING
942904	M	PUMP, 11 SERVICE WATER	
		DESCRIPTION OF PROBLEM,	PUMP WILL NOT RUN
		CAUSE,	BROKEN CONTROL CONTACTOR
		CORRECTIVE ACTION,	REPLACED CONTACTOR
942908	M	PUMP, 11 SERVICE WATER	
		DESCRIPTION OF PROBLEM,	BROKEN STRAINER SHEAR PIN
		CAUSE,	UNKNOWN
		CORRECTIVE ACTION,	REPLACED PIN
944402	M	VALVE, 16SW24	
		DESCRIPTION OF PROBLEM,	LEAKAGE
		CAUSE,	BAD DIAPHRAM
		CORRECTIVE ACTION,	REPLACED DIAPHRAM
944579	M	#11 PENETRATION AREA EXHAUST FAN	
		DESCRIPTION OF PROBLEM,	DRIVE BELTS MISSING
		CAUSE,	UNKNOWN
		CORRECTIVE ACTION,	REPLACED DRIVE BELTS
944789	M	PUMP, 12 CHARGING	
		DESCRIPTION OF PROBLEM,	PUMP LOSING OIL
		CAUSE,	BAD SEATS, BEARINGS, AND DEFLECTOR RINGS

MAR 31 1981

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

0003

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		CORRECTIVE ACTION,	REPLACED SEATS, BEARINGS, AND DEFLECTOR RING
947645	M	MOTOR, 13 SERVICE WATER PUMP	
		DESCRIPTION OF PROBLEM,	COOLER LEAK
		CAUSE,	FAULTY MOTOR
		CORRECTIVE ACTION,	REPLACED MOTOR
916293	P	#12 SERVICE WATER NUCLEAR HEADER	
		DESCRIPTION OF PROBLEM,	REPAIR DAMAGED INTERIOR PIPE LINING
		CAUSE,	UNKNOWN
		CORRECTIVE ACTION,	REPAIRED LINING
920001	P	VALVE, 1PS1	
		DESCRIPTION OF PROBLEM,	VALVE WILL NOT STAY IN AUTO MODE
		CAUSE,	FAULTY SUPPLY REGULATOR TO POSITIONER
		CORRECTIVE ACTION,	REPLACED SUPPLY REGULATOR
933038	P	VALVE, 1CV104	
		DESCRIPTION OF PROBLEM,	OPERATOR LEAKING
		CAUSE,	FAULTY DIAPHRAM
		CORRECTIVE ACTION,	REPLACED DIAPHRAM
942781	P	PRESSURE GAUGE, PA073R	
		DESCRIPTION OF PROBLEM,	CHANNEL 2 FAILED LOW
		CAUSE,	FAULTY PRESSURE TRANSMITTER

MAR 31 1981

SORTED BY
DEPARTMENT, WORK ORDER NO.

SALEM GENERATING STATION
SAFETY RELATED EQUIPMENT WORK ORDER LOG

0004

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
		CORRECTIVE ACTION,	REPLACED WITH SN#240743
942892	P	VHT HEATER #623	
		DESCRIPTION OF PROBLEM,	READING LOW
		CAUSE,	THERMOCOUPLE POSITIONED INCORRECTLY
		CORRECTIVE ACTION,	RELOCATED THERMOCOUPLE

TOTAL LINES = 000071
TOTAL A-RECS = 000016

LAST UPDATE
9

123932
ENTER COMMANDS
END OF RUN

08RKPT PRINTS

SALEM UNIT #1
OPERATING SUMMARY
MARCH 1981

3/1/81	0000	Rx operating at steady state 100% RTP.
	1301	Rx trip, feed pump trip
		Unit goes to cold shutdown to change snubbers on pressurizer.
3/6/81	945	Rx Critical.
	1925	Turbine on line increase power to 100%.
3/7/81	1700	Rx at 100% steady state power.
3/15/81	2130	Decrease power to 70% to clean condensate pump strainers.
3/16/81	0034	Increase power to 100%.
	0745	Steady state power at 100%.
3/19/81	2240	Decrease power to 93% - Condenser problems (Intake screens plugged).
3/20/81	0900	Increase power to 100%.
	1200	Steady state power at 100%.
3/28/81	0336	Decrease power - High vibration on 13 L.P. turbine.
	0518	Power at 0%; unit shutdown.
3/28/81	2331	Unit in Hot Shutdown.
3/29/81	0612	Unit in Cold Shutdown.

REFUELING INFORMATION

DOCKET NO.: 50-272
 UNIT: Salem #1
 DATE: April 10, 1984
 COMPLETED BY: L.K. Miller
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MONTH: March 1981

1. Refueling information has changed from last month:

YES _____ NO X

2. Scheduled date of next refueling: October 3, 1981

3. Scheduled date for restart following refueling: November 29, 1981

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

NOT DETERMINED TO-DATE March 1981

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

If no, when is it scheduled? August 1981

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

August 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: 1,170

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 1996