AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-311
UNIT Salem No. 2
DATE February 10, 1982
COMPLETED BY L. K. Miller
TELEPHONE 609-541-5900 X507

MONTH January 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	1085	17	1078
2	1085	18	1007
3	1087	19	660
4	1083	20	995
5	1083	21	1074
6	1070	22	1074
7	1059	23	1040
8	1083	24	1049
9	1082	25	1085
10	1002	26	1029
11	311	27	1051
12	403	28	1043
13	951	29	1033
14	417	30	1027
15	624	31	1065
16	1013		

OPERATING DATA REPORT

DOCKET NO.: 50-311
DATE : February 10, 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900 X 507

OPERATING STATUS

1. Unit Name: Salem No. 2
2. Reporting Period: January 1982
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): 1106
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason:
None

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	744	744	2,665
12. Number Of Hours Reactor Was Critical	744	744	2,603.3
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	739.7	739.7	2,557.4
15. Unit Reserve Shutdown Hours	0.0	0.0	0.0
16. Gross Thermal Energy Generated (MWH)	2,238,970	2,238,970	7,346,989
17. Gross Electrical Energy Generated (MWH)	743,580	743,580	2,452,450
18. Net Electrical Energy Generated (MWH)	713,897	713,897	2,345,964
19. Unit Service Factor	99.4	99.4	96.0
20. Unit Availability Factor	99.4	99.4	96.0
21. Unit Capacity Factor (Using MDC Net)	86.8	86.8	79.6
22. Unit Capacity Factor (Using DER Net)	86.1	86.1	78.9
23. Unit Forced Outage Rate	.6	.6	4.0

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	06/30/80	08/02/80
INITIAL ELECTRICITY	09/01/80	06/03/81
COMMERCIAL OPERATION	09/24/81	10/13/81

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO.: 50-311
UNIT NAME: Salem No. 2
DATE: February 10, 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900 X 507

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
82-010	1-01	F	0.0	A	5	-----	CC	HTEXCH	21 Steam Generator High Steam Flow
82-012	1-04	F	0.0	A	5	-----	HH	PUMPXX	Low Suction Pressure #21 Steam Generator Feed Pump
82-014	1-09	F	0.0	A	5	-----	HH	PUMPXX	Low Suction Pressure #21 Steam Generator Feed Pump
82-016	1-10	F	0.0	A	5	-----	HH	PUMPXX	Low Suction Pressure #21 Steam Generator Feed Pump
82-018	1-10	F	0.0	A	5	-----	HF	FILTER	22A, 22B, 23A, 23B Circulating Water Screens Icing
82-026	1-10	F	0.0	A	5	-----	HF	FILTER	23A Traveling Screen Jammed
82-028	1-10	F	0.0	A	5	-----	HF	FILTER	High Condenser Back Pressure Due To Circulating Water Screens Icing

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 1-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO.: 50-311
UNIT NAME: Salem No. 2
DATE: February 10, 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900 X 507

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
82-030	1-11	F	0.0	A	5	-----	HG	DEMINX	High Steam Generator Cation Conductivity Due To Problems At Condensate Polisher
82-032	1-11	F	0.0	A	5	-----	CC	HTEXCH	High Cation Conductivity Steam Generators
82-034	1-11	F	0.0	A	5	-----	HF	FILTER	21, 22, 23 Circulators Out Due To Screens Icing
82 036	1-11	F	4.3	A	1	-----	HF	FILTER	High Condenser Back Pressure Due To Circulating Water Screens Icing
82-040	1-13	F	0.0	A	5	-----	RC	FUELXX	Reduced Load To Stay Within Delta Flux Band
82-042	1-13	F	0.0	A	5	-----	HF	FILTER	23A Traveling Screen Jammed
82-044	1-14	F	0.0	A	5	-----	HH	ANNUNC	21 And 22 Steam Generator Feed Pump Low Suction Pressure Alarms
82-046	1-14	F	0.0	A	5	-----	RC	FUELXX	Axial Flux Difference Out Of Band
82-048	1-16	F	0.0	A	5	-----	HF	FILTER	21B Traveling Screen Problem
82-050	1-17	F	0.0	A	5	-----	HF	FILTER	23A Traveling Screen Problem

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January 1982

DOCKET NO.: 50-311
UNIT NAME: Salem No. 2
DATE: February 10, 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900 X 507

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
82-052	1-19	F	0.0	A	5	-----	HH	FILTER	Clean Suction Strainer Steam Generator Feed Pumps
82-054	1-21	F	0.0	B	5	-----	CC	ZZZZZZ	Steam Generator Moisture Carry Over Test
82-056	1-24	F	0.0	A	5	-----	HB	ANNUNC	High Steam Flow Alarms
82-058	1-29	F	0.0	B	5	-----	CC	ZZZZZZ	Reactor Engineering Steam Flow Testing

MAJOR PLANT MODIFICATIONS

REPORT MONTH January 1982

DOCKET NO: 50-311

UNIT NAME: Salem 2

DATE: February 10, 1982

COMPLETED BY: L. K. Miller

TELEPHONE: 609-541-5900 X 507

*DCR NO.	PRINCIPLE SYSTEM	SUBJECT
2EC-1249	Charging Systems	Delete vent valves 2CV396 and 2CV397

* DESIGN CHANGE REQUEST

8-1-7.R1

MAJOR PLANT MODIFICATIONS
REPORT MONTH January 1982

DOCKET NO.: 50-311
UNIT NAME: Salem No. 2
DATE: February 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900 X 507

*DCR NO.	10CFR50.59 SAFETY EVALUATION
2EC-1249	Deleting vent valves 2CV396 and 2CV397 from spool 2CVC3231 does not alter the original design concept of the piping system in any way. Also, this change does not alter the technical specification or the SAR.

* DESIGN CHANGE REQUEST

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

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
985016	M	STRAINER,21 SERVICE WTR PUMP	
		DESCRIPTION OF PROBLEM,	BROKEN SHEAR PIN
		CORRECTIVE ACTION,	REPLACED WORN OUT UPPER BEARING AND SHEAR PIN
987827	M	PUMP,22 B.A. TRANSFER	
		DESCRIPTION OF PROBLEM,	PUMP FAILED 40S-P DUE TO LOW FLOW
		CORRECTIVE ACTION,	ADJUSTED IMPELLER CLEARANCE
987920	M	VALVE,22MS168	
		DESCRIPTION OF PROBLEM,	TEMPORARY REPAIR TO VAVLE,22MS168
		CORRECTIVE ACTION,	PACKING&BONNET SEALED BY FURMANITE
989097	M	PUMP,22 B.A. TRANSFER	
		DESCRIPTION OF PROBLEM,	MECHANICAL SEALS LEAKING
		CORRECTIVE ACTION,	REPLACED MECHANICAL SEALS
989549	M	FAN,NOZZEL SUPPORT #22	
		DESCRIPTION OF PROBLEM,	BREAKER IS ARCHING
		CORRECTIVE ACTION,	FOUND ARCING BETWEEN BACK PLATE AND MOUNTING SCREWS OF PLATE TO CONTACTOR REPLACED CONTACTOR
994658	M	STRAINER,23 SERVICE WTR PUMP	
		DESCRIPTION OF PROBLEM,	STRAINER KEEPS TRIPPING
		CORRECTIVE ACTION,	REPLACED TRANSFORMER AND 6X23 RELAY IN MOTOR CONTROL CKT.

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

WORK ORDER NUMBER	DEPT	EQUIPMENT IDENTIFICATION	EXPLANATION OF WORK PERFORMED
987782	P	RC LOOP FLOW,24 CH2	
		DESCRIPTION OF PROBLEM,	CH2 4% LESS THAN CH3
		CORRECTIVE ACTION,	REPLACED TRANSMITTER
989081	P	RECORDER, PRESURIZER PRESS.	
		DESCRIPTION OF PROBLEM,	CHART FAILED HIGH
		CORRECTIVE ACTION,	REPLACED FAILED SIGNAL ISOOLATOR 2PM455H
993366	P	21 S/G FEED FLOW, 2FT510	
		DESCRIPTION OF PROBLEM,	CHANNEL OUT OF CAL.
		CORRECTIVE ACTION,	REPLACED SQ RT MODULE 2FM510R
993687	P	RMS CH 2R41C	
		DESCRIPTION OF PROBLEM,	DETECTOR RESPONSE FOUND OOS DURING CHANNEL CAL CK.
		CORRECTIVE ACTION,	ADUSTED HIGH VOLTAGE FROM 6.218 TO 7.424 VDC AND DISCRIMINATOR FROM .2379 TO .2500 VDC.
993689	P	RMS CH. 2R16	
		DESCRIPTION OF PROBLEM,	DETECTOR RESPONSE OUT OF SPEC.
		CORRECTIVE ACTION,	REPLACED CRYSTAL,PM TUBE AND RECALIBRATED
994703	P	OP DELTA T LOOP 21	
		DESCRIPTION OF PROBLEM,	LOOP 21 OP DELTA FAILED HIGH
		CORRECTIVE ACTION,	REPLACED CAPCITORS BLOWN & RECALIBRATED

TOTAL LINES = 000043
TOTAL A-RECS = 000012

LAST UPDATE
820209
125420
ENTER COMMANDS
END OF RUN

SALEM UNIT 2
OPERATIONS SUMMARY REPORT
JANUARY 1982

1/01/82	Power being maintained slightly below 100% RTP (95-98%).
1/10/82	Cold weather caused circ. water screen icing. Power was reduced to approximately 40% RTP on 1/11/82.
1/11/82	Turbine taken off line at 1855 hrs. Reactor at ∿ 2% RTP. Began to increase power at 2300 hours.
1/14/82	Low feed pump suction pressure due to fluctuation of 21 heater drain pump discharge. Power reduced from 95% RTP to 50% RTP to avoid feed pump trip. Polishers were bypassed to help restore suction pressure.
1/18/82	Reduced power to 50% RTP to clean feed pump suction strainers.
1/19/82	Strainers cleaned; resuming normal operating power level.
1/20, 21/82	Power increased to 100% RTP for moisture carry-over test. Results showed .1% carry-over. Power reduced to ∿ 96% RTP after test completed. Continue to operate at ∿ 95% RTP until cause of high steam flow indication is corrected.
1/23/82	Power reduced from 95% to 90% for turbine valve tests. Power later increased back to 95% RTP.
1/29, 30/82	Power reduced to ∿ 75% RTP. Steam flow data acquired at ∿ 75%, 80%, 85%, 90%, 92%, and 94% RTP levels.

REFUELING INFORMATION

DOCKET NO.: 50-311
UNIT: Salem No. 2
DATE: February 10, 1982
COMPLETED BY: L. K. Miller
TELEPHONE: 609-541-5900X507

MONTH: January 1982

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 January 1982

   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:

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