

# OPERATING DATA REPORT

DOCKET NO. 50 - 335  
 DATE June 6, 1981  
 COMPLETED BY V.T. Chilson  
 TELEPHONE (305) 552-3824

## OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: May, 1981
3. Licensed Thermal Power (MWt): 2560
4. Nameplate Rating (Gross MWe): 850
5. Design Electrical Rating (Net MWe): 802
6. Maximum Dependable Capacity (Gross MWe): 822
7. Maximum Dependable Capacity (Net MWe): 777
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit operated at approximately 100% R.P., except for load reduction of May 4-5, 1981.

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	3 623.0	38 951.0
12. Number Of Hours Reactor Was Critical	744.0	3 503.7	31 929.0
13. Reactor Reserve Shutdown Hours	-0-	-0-	129.5
14. Hours Generator On-Line	744.0	3 502.2	31 133.3
15. Unit Reserve Shutdown Hours	-0-	-0-	39.3
16. Gross Thermal Energy Generated (MWH)	1 881 121	8 891 512	76 139 660
17. Gross Electrical Energy Generated (MWH)	611 420	2 914 860	24 724 720
18. Net Electrical Energy Generated (MWH)	578 491	2 758 042	23 285 528
19. Unit Service Factor	100.0	96.7	79.9
20. Unit Availability Factor	100.0	96.7	80.0
21. Unit Capacity Factor (Using MDC Net)	100.1	98.0	76.9
22. Unit Capacity Factor (Using DER Net)	97.0	94.9	74.5
23. Unit Forced Outage Rate	-0-	0.7	5.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Scheduled refueling, maintenance, and inspections - October 4 - December 5, 1981.

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

INITIAL ELECTRICITY

COMMERCIAL OPERATION

(9/77)

# OPERATING DATA REPORT

DOCKET NO. 50 - 335  
 DATE June 6, 1981  
 COMPLETED BY V.T. Chilson  
 TELEPHONE (305) 552-3824

## OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: May, 1981
3. Licensed Thermal Power (MWt): 2560
4. Nameplate Rating (Gross MWe): 850
5. Design Electrical Rating (Net MWe): 802
6. Maximum Dependable Capacity (Gross MWe): 822
7. Maximum Dependable Capacity (Net MWe): 777
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit operated at approximately 100% R.P., except for load reduction of May 4-5, 1981.

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	3 623.0	38 951.0
12. Number Of Hours Reactor Was Critical	744.0	3 503.7	31 929.0
13. Reactor Reserve Shutdown Hours	-0-	-0-	129.5
14. Hours Generator On-Line	744.0	3 502.2	31 133.3
15. Unit Reserve Shutdown Hours	-0-	-0-	39.3
16. Gross Thermal Energy Generated (MWH)	<del>1 181 121</del> <b>1,881,121</b>	<b>8,891,512</b>	76 139 660
17. Gross Electrical Energy Generated (MWH)	611 420	2 914 860	24 724 720
18. Net Electrical Energy Generated (MWH)	578 491	2 758 042	23 285 528
19. Unit Service Factor	100.0	96.7	79.9
20. Unit Availability Factor	100.0	96.7	80.0
21. Unit Capacity Factor (Using MDC Net)	100.1	98.0	76.9
22. Unit Capacity Factor (Using DER Net)	97.0	94.9	74.5
23. Unit Forced Outage Rate	-0-	0.7	5.3

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Scheduled refueling, maintenance, and inspections - October 4 - December 5, 1981.

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
_____	_____
_____	_____
_____	_____

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MAY, 1981

DOCKET NO. 50 - 335  
 UNIT NAME St. Lucie Unit No.1  
 DATE June 6, 1981  
 COMPLETED BY V.T. Chilson  
 TELEPHONE (305)552-3824

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
03	81-05-04	S	-0-	B	5	N/A	HA	PIPEXX (E)	Load reduction to repair steam leak located in piping between HP turbine and moisture-separator-reheater. Corrective actions included repairs by welding. (Non-nuclear system)

<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-Other (Explain) Continuing  
 5-Load Reduction  
 9-Other (Explain)

<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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335  
St. Lucie

UNIT Unit No. 1

DATE June 6, 1981

COMPLETED BY V.T. Chilson

TELEPHONE (305) 552-3824

MONTH MAY, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>789</u>
2	<u>785</u>
3	<u>787</u>
4	<u>780</u>
5	<u>558</u>
6	<u>788</u>
7	<u>784</u>
8	<u>775</u>
9	<u>780</u>
10	<u>788</u>
11	<u>789</u>
12	<u>790</u>
13	<u>789</u>
14	<u>790</u>
15	<u>789</u>
16	<u>789</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>785</u>
18	<u>779</u>
19	<u>743</u>
20	<u>788</u>
21	<u>788</u>
22	<u>789</u>
23	<u>790</u>
24	<u>783</u>
25	<u>790</u>
26	<u>789</u>
27	<u>782</u>
28	<u>775</u>
29	<u>791</u>
30	<u>789</u>
31	<u>792</u>

NOTE: Average daily power level greater than 777 MWe due to cooler condenser cooling water.

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.