

# OPERATING DATA REPORT

DOCKET NO. 50 - 335  
 DATE May 9, 1981  
 COMPLETED BY V. T. Chilson  
 TELEPHONE (305) 552-3824

## OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: April, 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 outage of April 16-21, 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	719.0	2 879.0	38 207.0
12. Number Of Hours Reactor Was Critical	599.7	2 759.7	31 185.0
13. Reactor Reserve Shutdown Hours	-0-	-0-	129.5
14. Hours Generator On-Line	598.2	2 758.2	30 389.3
15. Unit Reserve Shutdown Hours	-0-	-0-	39.3
16. Gross Thermal Energy Generated (MWH)	1 517 646	7 010 391	74 258 539
17. Gross Electrical Energy Generated (MWH)	496 710	2 303 440	24 113 300
18. Net Electrical Energy Generated (MWH)	468 399	2 179 551	22 707 037
19. Unit Service Factor	83.2	95.8	79.5
20. Unit Availability Factor	83.2	95.8	79.6
21. Unit Capacity Factor (Using MDC Net)	83.8	97.4	76.5
22. Unit Capacity Factor (Using DER Net)	81.2	94.4	74.1
23. Unit Forced Outage Rate	4.0	0.9	5.4
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Scheduled refueling, maintenance, and inspections - October 4 - December 5, 1981.</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
_____	_____
_____	_____
_____	_____

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH APRIL, 1981

DOCKET NO. 50 - 335  
 UNIT NAME St. Lucie Unit No. 1  
 DATE May 9, 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
02	81-04-16	F	24.8	A	2		EA	TRANSF	Unit was manually tripped when arcing was observed on the B phase bushing on power transformer No. 1B. Corrective actions included installing new B phase bushing on power transformer Nos. 1A and 1B and inspection of both power transformers. (Non-nuclear system)
		S	96	B	4		ZZ	ZZZZZZ	Outage was extended to perform maintenance on primary and secondary systems. (Nuclear and Non-nuclear systems)

<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

UNIT St. Lucie  
Unit No. 1

DATE May 9, 1981

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH APRIL, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>795</u>
2	<u>797</u>
3	<u>794</u>
4	<u>794</u>
5	<u>794</u>
6	<u>794</u>
7	<u>794</u>
8	<u>795</u>
9	<u>794</u>
10	<u>793</u>
11	<u>794</u>
12	<u>794</u>
13	<u>794</u>
14	<u>793</u>
15	<u>793</u>
16	<u>449</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>---</u>
18	<u>---</u>
19	<u>---</u>
20	<u>---</u>
21	<u>160</u>
22	<u>755</u>
23	<u>787</u>
24	<u>791</u>
25	<u>789</u>
26	<u>790 DST</u>
27	<u>789</u>
28	<u>789</u>
29	<u>790</u>
30	<u>789</u>
-31-	<u>---</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.

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50 - 335

UNIT St. Lucie  
Unit No. 1

DATE May 9, 1981

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

REPORT MONTH APRIL, 1981

Unit operated at approximately 100% R.P. except for outage of April 16-21, 1981. Refer to "Unit Shutdowns and Power Reductions" section of April, 1981, Operating Status Report for additional information.

Major Safety-related maintenance activities performed during the month included:

Inspections and requirements of IE Bulletins and NUREG-0578 are continuing.

Florida Power & Light Company commitments for NUREG-0578 implementation are continuing. Refer to correspondence between FPL and NRC for additional information.

Replaced pressurizer safety valve No. V-1200.