

# OPERATING DATA REPORT

DOCKET NO. 50 - 335  
 DATE July 5, 1980  
 COMPLETED BY V. T. Chilson  
 TELEPHONE (305) 552-3824

## OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: June, 1980
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., until June 11, 1980, when the unit was removed from service to repair mechanical seals on reactor coolant pumps, except for load reduction of June 4-5, 1980.

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	720.0	4 367.0	30 911.0
12. Number Of Hours Reactor Was Critical	256.0	2 536.2	24 045.9
13. Reactor Reserve Shutdown Hours	-0-	-0-	129.5
14. Hours Generator On-Line	252.2	2 444.3	23 274.3
15. Unit Reserve Shutdown Hours	-0-	-0-	32.0
16. Gross Thermal Energy Generated (MWH)	625 343	6 003 127	56 262 693
17. Gross Electrical Energy Generated (MWH)	203 250	1 937 780	18 232 280
18. Net Electrical Energy Generated (MWH)	188 166	1 816 304	17 144 200
19. Unit Service Factor	35.0	56.0	75.3
20. Unit Availability Factor	35.0	56.0	75.4
21. Unit Capacity Factor (Using MDC Net)	33.6	53.5	71.4
22. Unit Capacity Factor (Using DER Net)	32.6	51.9	69.2
23. Unit Forced Outage Rate	65.0	16.5	6.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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	_____	_____

(4/77)

## UNPL SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 335  
 UNIT NAME St. Lucie Unit No. 1  
 DATE July 5, 1980  
 COMPLETED BY V. T. Chilson  
 TELEPHONE (305) 552-3824

REPORT MONTH JUNE, 1980

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report <sup>4</sup>	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
8	80-06-04	S	-0-	B	4	N/A	Hh	FILTER	Load reduction to approximately 50% R.P. to clean steam generator feed-water pump No. 1B suction strainer. (Non-nuclear system)
9	80-06-11	F	467.8	A	2		WB	VALVOP	Reactor was manually tripped when component cooling water to reactor coolant pump mechanical seals was lost and could not be immediately restored due to closure of HCV-14-6. Corrective actions included providing a backup nitrogen supply to the diaphragm operated component cooling water valves. Electrical conduit was repaired to prevent entry of water. Outage was extended to inspect mechanical seals on reactor coolant pumps.
							CB	PUMPXX	

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)

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

5 Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie  
Unit No. 1

DATE July 5, 1980

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH JUNE, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>793</u>
2	<u>792</u>
3	<u>790</u>
4	<u>741</u>
5	<u>685</u>
6	<u>786</u>
7	<u>789</u>
8	<u>790</u>
9	<u>789</u>
10	<u>787</u>
11	<u>73</u>
12	<u>---</u>
13	<u>---</u>
14	<u>---</u>
15	<u>---</u>
16	<u>---</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>---</u>
18	<u>---</u>
19	<u>---</u>
20	<u>---</u>
21	<u>---</u>
22	<u>---</u>
23	<u>---</u>
24	<u>---</u>
25	<u>---</u>
26	<u>---</u>
27	<u>---</u>
28	<u>---</u>
29	<u>---</u>
30	<u>164</u>
<del>31</del>	<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

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UNIT St. Lucie  
Unit No. 1  
DATE July 5, 1980  
COMPLETED BY V. T. Chilson  
TELEPHONE (305) 552-3824

REPORT MONTH JUNE, 1980

Unit operated at approximately 100% R.P., until June 11, 1980, when the unit was removed from service to repair mechanical seals on reactor coolant pumps, except for load reduction of June 4-5, 1980. Refer to "Unit Shutdowns and Power Reductions" section of the June, 1980, 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 mechanical seals on reactor coolant pump Nos. 1A1, 1A2, 1B1, and 1B2.