

**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO. 50 - 335  
 UNIT St. Lucie  
Unit No. 1  
 DATE June 7, 1980  
 COMPLETED BY V. T. Chilson  
 TELEPHONE (305) 552-3824

MONTH MAY, 1980

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|-----|--|
| 1   | ---                                    | 17  | 570                                    |
| 2   | ---                                    | 18  | 600                                    |
| 3   | ---                                    | 19  | 482                                    |
| 4   | ---                                    | 20  | 617                                    |
| 5   | ---                                    | 21  | 639                                    |
| 6   | ---                                    | 22  | 753                                    |
| 7   | ---                                    | 23  | 793                                    |
| 8   | ---                                    | 24  | 795                                    |
| 9   | ---                                    | 25  | 797                                    |
| 10  | ---                                    | 26  | 798                                    |
| 11  | 29                                     | 27  | 798                                    |
| 12  | ---                                    | 28  | 797                                    |
| 13  | ---                                    | 29  | 778                                    |
| 14  | ---                                    | 30  | 770                                    |
| 15  | ---                                    | 31  | 794                                    |
| 16  | 289                                    |     |  |

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.

**OPERATING DATA REPORT**

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**OPERATING STATUS**

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: May, 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. following the completion of re-fueling and Reactor Physics Test Program, except for outage of May 11-15, 1980, and load reduction of May 18-19, 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               | <u>744.0</u>   | <u>3 647.0</u>   | <u>30 191.0</u>   |
| 12. Number Of Hours Reactor Was Critical    | <u>497.1</u>   | <u>2 280.2</u>   | <u>23 790.0</u>   |
| 13. Reactor Reserve Shutdown Hours          | <u>-0-</u>     | <u>-0-</u>       | <u>129.5</u>      |
| 14. Hours Generator On-Line                 | <u>411.6</u>   | <u>2 192.1</u>   | <u>23 022.1</u>   |
| 15. Unit Reserve Shutdown Hours             | <u>-0-</u>     | <u>-0-</u>       | <u>32.0</u>       |
| 16. Gross Thermal Energy Generated (MWH)    | <u>890 501</u> | <u>5 377 784</u> | <u>55 637 350</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>284 880</u> | <u>1 734 530</u> | <u>18 029 030</u> |
| 18. Net Electrical Energy Generated (MWH)   | <u>262 005</u> | <u>1 628 138</u> | <u>16 956 034</u> |
| 19. Unit Service Factor                     | <u>55.3</u>    | <u>60.1</u>      | <u>76.3</u>       |
| 20. Unit Availability Factor                | <u>55.3</u>    | <u>60.1</u>      | <u>76.4</u>       |
| 21. Unit Capacity Factor (Using MDC Net)    | <u>45.3</u>    | <u>57.5</u>      | <u>72.3</u>       |
| 22. Unit Capacity Factor (Using DER Net)    | <u>43.9</u>    | <u>55.7</u>      | <u>70.0</u>       |
| 23. Unit Forced Outage Rate                 | <u>-0-</u>     | <u>0.7</u>       | <u>5.0</u>        |

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                                      | _____    | _____    |

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50 - 335  
 UNIT NAME St. Lucie Unit No.1  
 DATE June 7, 1980  
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REPORT MONTH MAY, 1980

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| 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  |
|-----|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 4   | 80-03-15 | S                 | 232.2            | C                   | 4  | N/A                     | RC                       | FUELXX                      | Unit was removed from service for scheduled refueling, maintenance, and inspections. (Continued from previous month) (Nuclear and Non-nuclear systems) |
| 5   | 80-05-11 | S                 | 3.7              | B                   | 4  | N/A                     | HA                       | MECFUN                      | Unit was removed from service to perform surveillance test on turbine overspeed trip device. (Non-nuclear system)                                      |

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance of 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)

<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

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

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|-----|----------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| 6   | 80-05-11 | S                 | 96.5             | B                   | 4  | N/A                     | HA<br>HA                 | MECFUN<br>TURBIN            | Unit was removed from service to test turbine overspeed trip device and repair turbine shaft seal No. 3. (Non-nuclear system)<br>Outage was extended to replace valve stems on the bypass valve around main steam isolation valve Nos. 1A and 1B and repair valve stem packing leaks on valves inside containment that could not be isolated. (Nuclear and Non-nuclear systems) |
|     |          |                   |                  |                     |  | 335-80-25               | HB<br>CB                 | VALVEX (E)<br>VALVEX (E)    |   |
| 7   | 80-05-18 | F                 | -0-              | B                   | 4  | N/A                     | HH                       | FILTERX                     | Load reduction to approximately 50% R.P. to clean condensate pump suction strainers. (Non-nuclear system)   |

<sup>1</sup> F: Forced  
S: Scheduled

<sup>2</sup> Reason:  
A-Equipment Failure (Explain)  
B-Maintenance of Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training & License Examination  
F-Administrative  
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SUMMARY OF OPERATING EXPERIENCE

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Unit operated at approximately 100% R.P. following the completion of refueling and Reactor Physics Test Program, except for outage of May 11-15, 1980, and load reduction of May 18-19, 1980. Refer to "Unit Shutdowns and Power Reductions" section of the May, 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.

Steam Generator Tube Inspection Program completed.

Installation of charging pump suction piping pulsation dampeners completed.



June 7, 1980

Office of Management Information  
and Program Controls  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Gentlemen:

Attached are the May, 1980, Operating Summary Reports for  
Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit No. 1.

Very truly yours,

A handwritten signature in cursive script, appearing to read "A. D. Schmidt".

A. D. Schmidt  
Vice President  
Power Resources

VTC/DDC

cc: Mr. James P. O'Reilly  
Robert Lowenstein, Esquire