

# CATEGORY 1

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ACCESSION NBR: 9706180014    DOC. DATE: 97/05/31    NOTARIZED: NO    DOCKET #  
FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.    05000335  
50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.    05000389  
AUTH. NAME    AUTHOR AFFILIATION  
ROGFRS, J.A.    Florida Power & Light Co.  
STALL, J.A.    Florida Power & Light Co.  
RECIP. NAME    RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for May 1997 for St Lucie, Units 1 & 2.W/970612 ltr.

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TITLE: Monthly Operating Report (per Tech Specs)

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June 12, 1997

L-97-146  
10 CFR 50.36

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Monthly Operating Report

Pursuant to Technical Specification 6.9.1.6, attached are the May 1997, Operating Data Report, Summary of Operating Experience Report, Average Daily Unit Power Level, and Unit Shutdowns and Power Reductions for St. Lucie Units 1 and 2.

Should there be any questions on this information, please contact us.

Very truly yours,

J. A. Stall  
Vice President  
St. Lucie Plant

JAS/spt

Attachments

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

*1/1 DE 24*

9706180014 970531  
PDR ADOCK 05000335  
R PDR



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335  
UNIT Saint Lucie #1  
DATE Jun 03, 1997  
COMPLETED BY J. A. Rogers  
TELEPHONE (561) 467 - 7296

MONTH May, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
05/01/97	837
05/02/97	838
05/03/97	842
05/04/97	843
05/05/97	842
05/06/97	843
05/07/97	843
05/08/97	843
05/09/97	842
05/10/97	842
05/11/97	842
05/12/97	843
05/13/97	843
05/14/97	843
05/15/97	842
05/16/97	843
05/17/97	844
05/18/97	844
05/19/97	841
05/20/97	843
05/21/97	843
05/22/97	841
05/23/97	838
05/24/97	838
05/25/97	840
05/26/97	843
05/27/97	843
05/28/97	840
05/29/97	837
05/30/97	836
05/31/97	837

OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 06/03/97  
 FPL LICENSING GROUP - PSL  
 TELEPHONE 561/467/7296

OPERATING STATUS  
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1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: MAY 1997
3. LICENSED THERMAL POWER (MWT): \_\_\_\_\_ 2700
4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 850
5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 830
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 872
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 839
8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: \_\_\_\_\_
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE) \_\_\_\_\_
10. REASONS FOR RESTRICTIONS, IF ANY: \_\_\_\_\_

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744.0	3623.0	179207.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	744.0	3473.5	140141.1
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	744.0	3459.0	138556.1
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	2007105	9286249	359597232
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	659170	3059800	118577830
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	625916	2900744	112068057
19. UNIT SERVICE FACTOR _____	100	95.5	77.3
20. UNIT AVAILABILITY FACTOR _____	100	95.5	77.3
21. CAPACITY FACTOR (USING MDC NET) _____	100	95.4	74.5
22. CAPACITY FACTOR (USING DER NET) _____	100	96.5	75.3
23. UNIT FORCED OUTAGE RATE _____	0.0	4.5	5.0

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS: October 20, 1997 Refueling Outage

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_



# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-335  
 UNIT NAME: ST LUCIE UNIT 1  
 DATE: June 3, 1997  
 COMPLETED BY: J.A. Rogers  
 TELEPHONE: (561) 467-7296

REPORT MONTH May, 1997

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
									Unit 1 operated at essentially full power for the entire month of May.

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

<sup>4</sup>  
 Exhibit G - Instructions for  
 Preparation of Data Entry  
 Sheets Licensee Event Report  
 (LER) File (NUREG-0161)  
<sup>5</sup>  
 Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-335  
UNIT: St. Lucie #1  
DATE: June 3, 1997  
COMPLETED BY: J.A. ROGERS  
TELEPHONE: (561) 467-7296

REPORT MONTH May, 1997

Unit 1 operated at essentially full power for the entire month of May.

In accordance with the requirements of Technical Specification 6.9.1.6, there were no challenges to the power operated relief valves or the safety valves during the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 389  
UNIT Saint Lucie #2  
DATE Jun 03, 1997  
COMPLETED BY J. A. Rogers  
TELEPHONE (561) 467 - 7296

MONTH May, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
05/01/97	0
05/02/97	0
05/03/97	0
05/04/97	0
05/05/97	0
05/06/97	0
05/07/97	0
05/08/97	0
05/09/97	0
05/10/97	0
05/11/97	0
05/12/97	0
05/13/97	0
05/14/97	0
05/15/97	0
05/16/97	0
05/17/97	0
05/18/97	0
05/19/97	0
05/20/97	0
05/21/97	0
05/22/97	0
05/23/97	0
05/24/97	0
05/25/97	0
05/26/97	266
05/27/97	641
05/28/97	710
05/29/97	828
05/30/97	843
05/31/97	843





OPERATING DATA REPORT

DOCKET NO 50 - 389  
 DATE 06/03/97  
 FPL LICENSING GROUP - PSL  
 TELEPHONE 561/467/7296

OPERATING STATUS

- 
1. UNIT NAME: ST. LUCIE UNIT 2
  2. REPORTING PERIOD: MAY 1997
  3. LICENSED THERMAL POWER (MWT): \_\_\_\_\_ 2700
  4. NAMEPLATE RATING (GROSS MWE): \_\_\_\_\_ 850
  5. DESIGN ELECTRICAL RATING (NET MWE): \_\_\_\_\_ 830
  6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): \_\_\_\_\_ 882
  7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): \_\_\_\_\_ 839
  8. IF CHANGES OCCUR IN CAPACITY RATINGS (ITEMS NUMBER 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS: \_\_\_\_\_
  9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (NET MWE) \_\_\_\_\_
  10. REASONS FOR RESTRICTIONS, IF ANY: \_\_\_\_\_

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744.0	3623.0	121104.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	186.3	2658.3	102104.5
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	148.4	2619.4	100503.6
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	322111	6904925	261756057
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	106070	2265020	90703520
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	94761.3	2140283	81907753
19. UNIT SERVICE FACTOR _____	20.0	72.3	83.0
20. UNIT AVAILABILITY FACTOR _____	20.0	72.3	83.0
21. CAPACITY FACTOR (USING MDC NET) _____	15.2	70.4	80.6
22. CAPACITY FACTOR (USING DER NET) _____	15.4	71.2	81.5
23. UNIT FORCED OUTAGE RATE _____	0.0	0.0	6.2

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS: \_\_\_\_\_

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389  
 UNIT NAME: ST LUCIE UNIT 2  
 DATE: June 3, 1997  
 COMPLETED BY: J.A. ROGERS  
 TELEPHONE: (561) 467-7296

REPORT MONTH May, 1997

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
5	4/14/97	S	595.6	B	1	N/A	HB	VESSEL	Unit offline for Cycle 10 refueling and maintenance.
6	5/26/97	S	0.0	B	5	N/A	RC	FUELXX	Unit undergoing power escalation physics testing.

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

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets Licensee Event Report (LER) File (NUREG-0161)  
<sup>5</sup>  
 Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: June 3, 1997  
COMPLETED BY: J.A.ROGERS  
TELEPHONE: (561) 467-7296

REPORT MONTH May, 1997

Unit 2 remained offline for refueling and maintenance through May 24. Mode 5 was reached at 1603 on May 13; Mode 4 was reached at 1749 on May 20; Mode 3 was reached at 0350 on May 22. On May 24 at 0543 the unit entered Mode 2 and Mode 1 was reached at 1042 on May 25. On May 25 at 1934 the unit was synched to the grid and Cycle 10 began. Full power was achieved at 1311 on May 29.

In accordance with the requirements of Technical Specification 6.9.1.6, there were no challenges to the power operated relief valves or the safety valves during the report period.



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