

# CATEGORY 1

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ACCESSION NBR: 9703190366      DOC. DATE: 97/02/28      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  
ROGERS, J. A.      Florida Power & Light Co.  
STALL, J. A.      Florida Power & Light Co.  
RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Feb 1997 for St Lucie Units 1 & 2. W/970313 ltr.

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Florida Power & Light Company, 6501 South Ocean Drive, Jensen Beach, FL 34957

March 13, 1997

L-97-70  
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 February 1997, Operating Data Report, Summary of Operating Experience Reports, 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

IE241/

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PDR ADOCK 05000335  
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OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 03/05/97  
 FPL LICENSING GROUP - PSL  
 TELEPHONE 561/467/7296

OPERATING STATUS  
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1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: FEBRUARY 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: _____	672.0	1416.0	177000.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	672.0	1416.0	138083.6
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	672.0	1416.0	136513.1
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1806998	3804678	354133661
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	599270	1262820	116780850
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	569184	1199562	110366875
19. UNIT SERVICE FACTOR _____	100.0	100.0	77.1
20. UNIT AVAILABILITY FACTOR _____	100.0	100.0	77.1
21. CAPACITY FACTOR (USING MDC NET) _____	100.0	100.0	74.3
22. CAPACITY FACTOR (USING DER NET) _____	100.0	100.0	75.1
23. UNIT FORCED OUTAGE RATE _____	0.0	0.0	4.9

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS: \_\_\_\_\_
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-335  
UNIT: St. Lucie #1  
DATE: March 5, 1997  
COMPLETED BY: J.A.ROGERS  
TELEPHONE: (561) 467-7296

REPORT MONTH February, 1997

Unit 1 returned to full power on February 1 after repair of a leak on the turbine cooling water hydrogen cooler. The unit operated at essentially full power for the remainder of the month.

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.: 50-335  
UNIT: St. Lucie #1  
DATE : Mar 5, 1996  
COMPLETED BY: J.A.ROGERS  
TELEPHONE: (561) 467-7296

MONTH February, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
02/01/97	799
02/02/97	853
02/03/97	852
02/04/97	852
02/05/97	851
02/06/97	850
02/07/97	849
02/08/97	853
02/09/97	850
02/10/97	852
02/11/97	853
02/12/97	853
02/13/97	851
02/14/97	856
02/15/97	853
02/16/97	851
02/17/97	853
02/18/97	855
02/19/97	854
02/20/97	851
02/21/97	846
02/22/97	841
02/23/97	840
02/24/97	839
02/25/97	840
02/26/97	840
02/27/97	840
02/28/97	840

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-335  
 UNIT NAME: ST LUCIE UNIT 1  
 DATE: March 5, 1997  
 COMPLETED BY: J.A. Rogers  
 TELEPHONE: (561) 467-7296

REPORT MONTH February, 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
1	1/31/97	F	0.0	A	4	N/A	HF	HTEXCH	Unit 1 was at approximately 86% power to repair a leak on the turbine cooling water hydrogen cooler and returned to full power on February 1.

<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



OPERATING DATA REPORT

DOCKET NO 50 - 389  
 DATE 03/05/97  
 FPL LICENSING GROUP - PSL  
 TELEPHONE 561/467/7296

OPERATING STATUS

- 
1. UNIT NAME: ST. LUCIE UNIT 2
  2. REPORTING PERIOD: FEBRUARY 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: _____	672.0	1416.0	118897.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	672.0	1416.0	100862.2
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	672.0	1416.0	99300.2
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1775137	3752852	258603984
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	581660	1232210	89670710
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	551315	1168159	80935623
19. UNIT SERVICE FACTOR _____	100.0	100.0	83.5
20. UNIT AVAILABILITY FACTOR _____	100.0	100.0	83.5
21. CAPACITY FACTOR (USING MDC NET) _____	97.8	98.3	81.1
22. CAPACITY FACTOR (USING DER NET) _____	98.8	99.4	82.0
23. UNIT FORCED OUTAGE RATE _____	0.0	0.0	6.3

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS: April 14, 1997 Refueling & Maintenance

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

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: March 5, 1997  
COMPLETED BY: J.A. ROGERS  
TELEPHONE: (561) 467-7296

REPORT MONTH February, 1997

Unit 2 operated at essentially full power until February 18. On February 18 the unit downpowered to approximately 15% for maintenance on the main feedwater regulator valve controller. The unit returned to full power on February 19 and operated at full power for the remainder of the month.

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 Mar 05, 1997  
COMPLETED BY J. A. Rogers  
TELEPHONE (561) 467 - 7296

MONTH February, 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
02/01/97	845
02/02/97	846
02/03/97	842
02/04/97	843
02/05/97	841
02/06/97	841
02/07/97	839
02/08/97	841
02/09/97	841
02/10/97	842
02/11/97	842
02/12/97	844
02/13/97	845
02/14/97	842
02/15/97	842
02/16/97	842
02/17/97	843
02/18/97	312
02/19/97	782
02/20/97	840
02/21/97	840
02/22/97	840
02/23/97	839
02/24/97	839
02/25/97	839
02/26/97	842
02/27/97	838
02/28/97	841

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389  
 UNIT NAME: ST LUCIE UNIT 2  
 DATE: March 5, 1997  
 COMPLETED BY: J.A. ROGERS  
 TELEPHONE: (561) 467-7296

REPORT MONTH February, 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
2	2/18/97	S	16.3	B	5	N/A	HH	INSTRU	Unit 2 downpowered for maintenance on the main feedwater regulator valve controller.

<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



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