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           50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH. NAME                      AUTHOR AFFILIATION  
 WHITE, C.                         Florida Power & Light Co.  
 SAGER, D.A.                       Florida Power & Light Co.  
 RECIP. NAME                      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Aug 1993 for St Lucie, units 1 & 2. W/ 930913 ltr.

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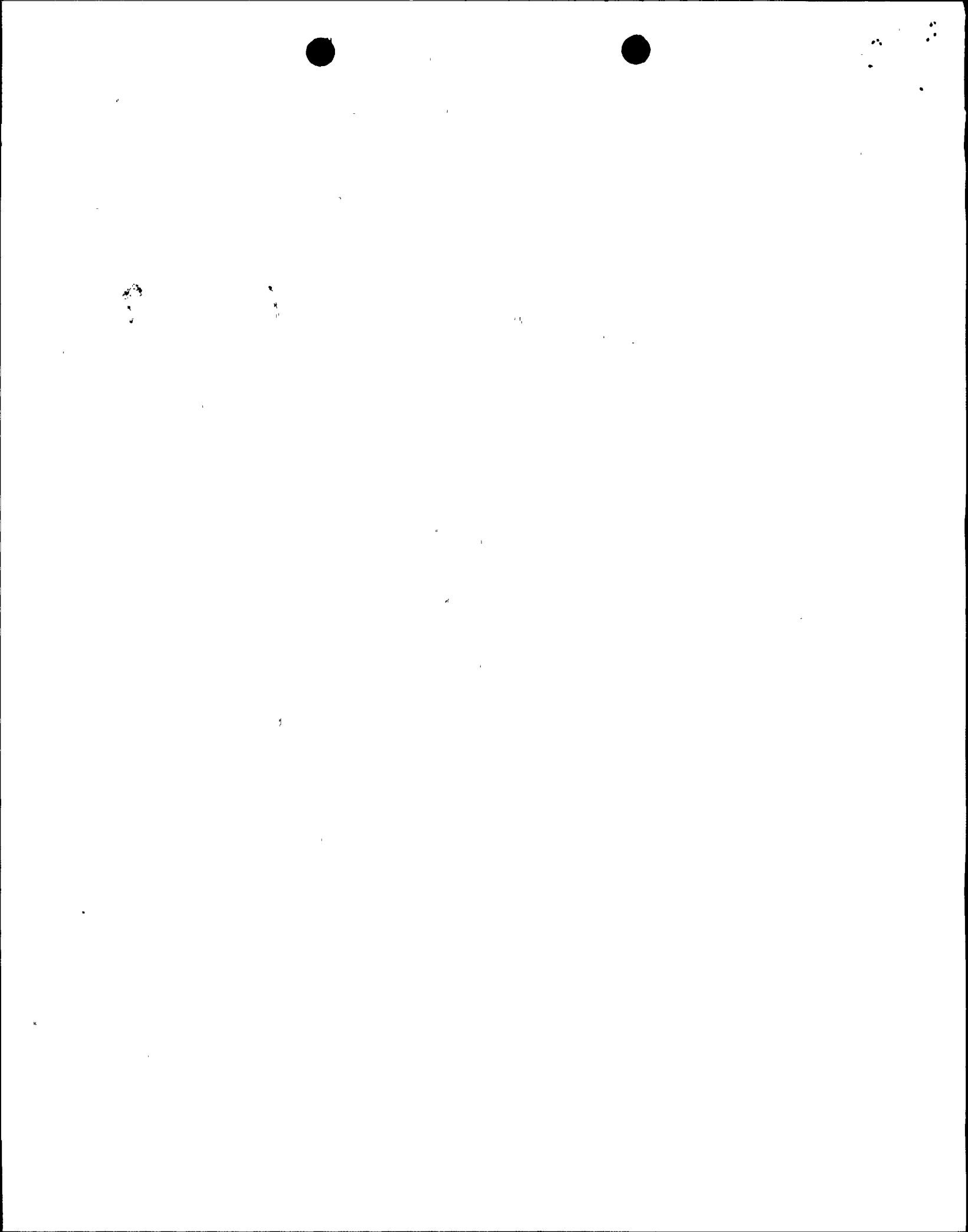
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September 13, 1993

L-93-231  
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

Attached are the August, 1993, Operating Status and Summary of Operating Experience Reports for St. Lucie Units 1 and 2.

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

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS/CDW/kw

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

Attachments

DAS/PSL #986-93

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PDR ADOCK 05000335  
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an FPL Group company

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-335  
UNIT: St. Lucie #1  
DATE : 9/ 9/93  
COMPLETED BY: C. WHITE  
TELEPHONE: (407) 468-4248

MONTH AUGUST, 1993

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

8/01/93	848
8/02/93	847
8/03/93	848
8/04/93	852
8/05/93	851
8/06/93	853
8/07/93	855
8/08/93	856
8/09/93	852
8/10/93	849
8/11/93	844
8/12/93	843
8/13/93	842
8/14/93	846
8/15/93	851
8/16/93	847
8/17/93	844
8/18/93	843
8/19/93	848
8/20/93	844
8/21/93	841
8/22/93	840
8/23/93	841
8/24/93	838
8/25/93	839
8/26/93	785
8/27/93	827
8/28/93	841
8/29/93	840
8/30/93	637
8/31/93	478

OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 9/ 9/93  
 COMPLETED BY C. D. WHITE  
 TELEPHONE 407/468/4248

OPERATING STATUS  
 -----

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: AUGUST 1993
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	5831	146351.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	744.0	4024.3	112694.9
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	744.0	3891.2	111566.7
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1964337	10262104	288597814
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	647140	3400210	95260110
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	613680	3208360	90034230
19. UNIT SERVICE FACTOR _____	100.0	66.7	76.2
20. UNIT AVAILABILITY FACTOR _____	100.0	66.7	76.3
21. CAPACITY FACTOR (USING MDC NET) _____	98.3	65.6	75.7
22. CAPACITY FACTOR (USING DER NET) _____	99.4	66.3	75.0
23. UNIT FORCED OUTAGE RATE _____	0.0	0.0	3.9
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.: 50-335  
 UNIT NAME: ST LUCIE UNIT 1  
 DATE: 9/ 9/93  
 COMPLETED BY: C. D. WHITE  
 TELEPHONE: (407) 468-4248

REPORT MONTH AUGUST, 1993

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
9	930830	F	0.0	B	S	N/A	HF	PUMPXX	Unit 1 decreased power due to a circulating water pump low lube water flow alarm. Unit 1 was returned to 100% power on September 1, 1993.

<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: 9/ 9/93  
COMPLETED BY: C. WHITE  
TELEPHONE: (407) 468-4248

REPORT MONTH AUGUST, 1993

Unit 1 decreased power on August 30, 1993 due to a circulating water pump low lube water flow alarm. The unit was returned to 100% power on September 1, 1993. Excluding this period, Unit 1 operated at or above 80% for the month of August.

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



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: 9/ 9/93  
COMPLETED BY: C. WHITE  
TELEPHONE: (407) 468-4248

MONTH AUGUST, 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
8/01/93	831
8/02/93	828
8/03/93	827
8/04/93	829
8/05/93	828
8/06/93	828
8/07/93	828
8/08/93	785
8/09/93	130
8/10/93	-32
8/11/93	551
8/12/93	837
8/13/93	837
8/14/93	838
8/15/93	841
8/16/93	833
8/17/93	828
8/18/93	825
8/19/93	828
8/20/93	821
8/21/93	803
8/22/93	781
8/23/93	766
8/24/93	747
8/25/93	701
8/26/93	450
8/27/93	542
8/28/93	800
8/29/93	825
8/30/93	822
8/31/93	805

OPERATING DATA REPORT

DOCKET NO 50 - 389  
 DATE 9/ 9/93  
 COMPLETED BY C. D. WHITE  
 TELEPHONE 407/468/4248

OPERATING STATUS  
 -----

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: AUGUST 1993
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	5831	88248.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	744.0	3842.8	74247.1
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	700.7	3785.8	72991.2
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1799184	9747497	191112499
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	580000	3181800	63661450
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	546262	2987357	60179099
19. UNIT SERVICE FACTOR _____	94.2	64.9	82.7
20. UNIT AVAILABILITY FACTOR _____	94.2	64.9	82.7
21. CAPACITY FACTOR (USING MDC NET) _____	87.5	61.1	82.4
22. CAPACITY FACTOR (USING DER NET) _____	88.5	61.7	82.7
23. UNIT FORCED OUTAGE RATE _____	5.8	35.1	7.6
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : Cycle 8 Refueling Outage scheduled to begin February 15, 1994. _____			

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: 9/ 9/93  
 COMPLETED BY: C. D. WHITE  
 TELEPHONE: (407) 468-4248

REPORT MONTH AUGUST, 1993

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
12	930809	F	0.0	B	5	N/A	CB	XXXXXX	Unit 2 reduced power due to backpressure during waterbox cleaning.
13	930810	F	43.3	B	5	N/A	CB	XXXXXX	Unit 2 was taken off-line due to a condenser tube leak, detected during waterbox cleaning.
14	930825	S	0.0	B	5	N/A	CB	XXXXXX	Unit 2 reduced power for waterbox cleaning.
15	930827	F	0.0	B	5	N/A	HB	VALVEX	Unit 2 reduced power to repair #1 governor valve.

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

4

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

5

Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: 9/ 9/93  
COMPLETED BY: C. WHITE  
TELEPHONE: (407) 468-4248

REPORT MONTH AUGUST, 1993

Unit 2 decreased power on August 9, 1993 for waterbox cleaning. On August 10, 1993 the unit was taken off-line due to a condenser tube leak, detected during waterbox cleaning. The unit was returned to full power on August 12, 1993. From August 25 to August 27, 1993, the unit decreased power for waterbox cleaning and to repair the #1 governor valve. Excluding these periods, Unit 2 operated at or above 80% for the month of August, 1993.

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



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