

CATEGORY 1

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ACCESSION NBR: 9609180388 DOC. DATE: 96/08/31 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
ROGERS, J.A. Florida Power & Light Co.
STALL, J.A. Florida Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Aug 1996 for St Lucie Units 1 & 2.W/960911 ltr.

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	NRC PDR		1	1				

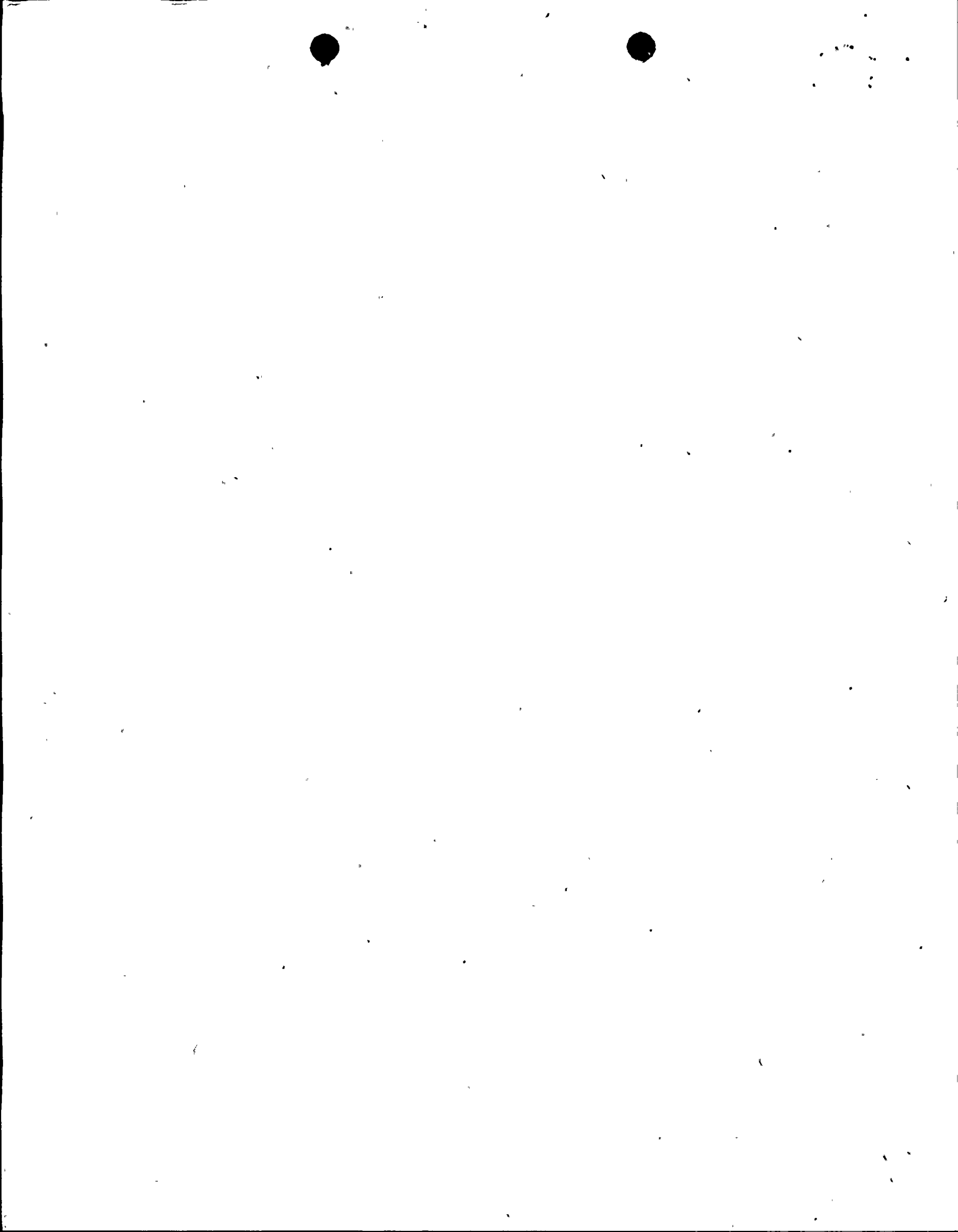
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September 11, 1996

L-96-225
10 CFR 50.36

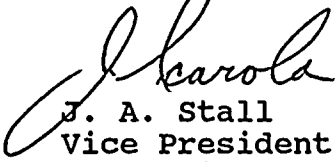
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

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 August 1996, 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

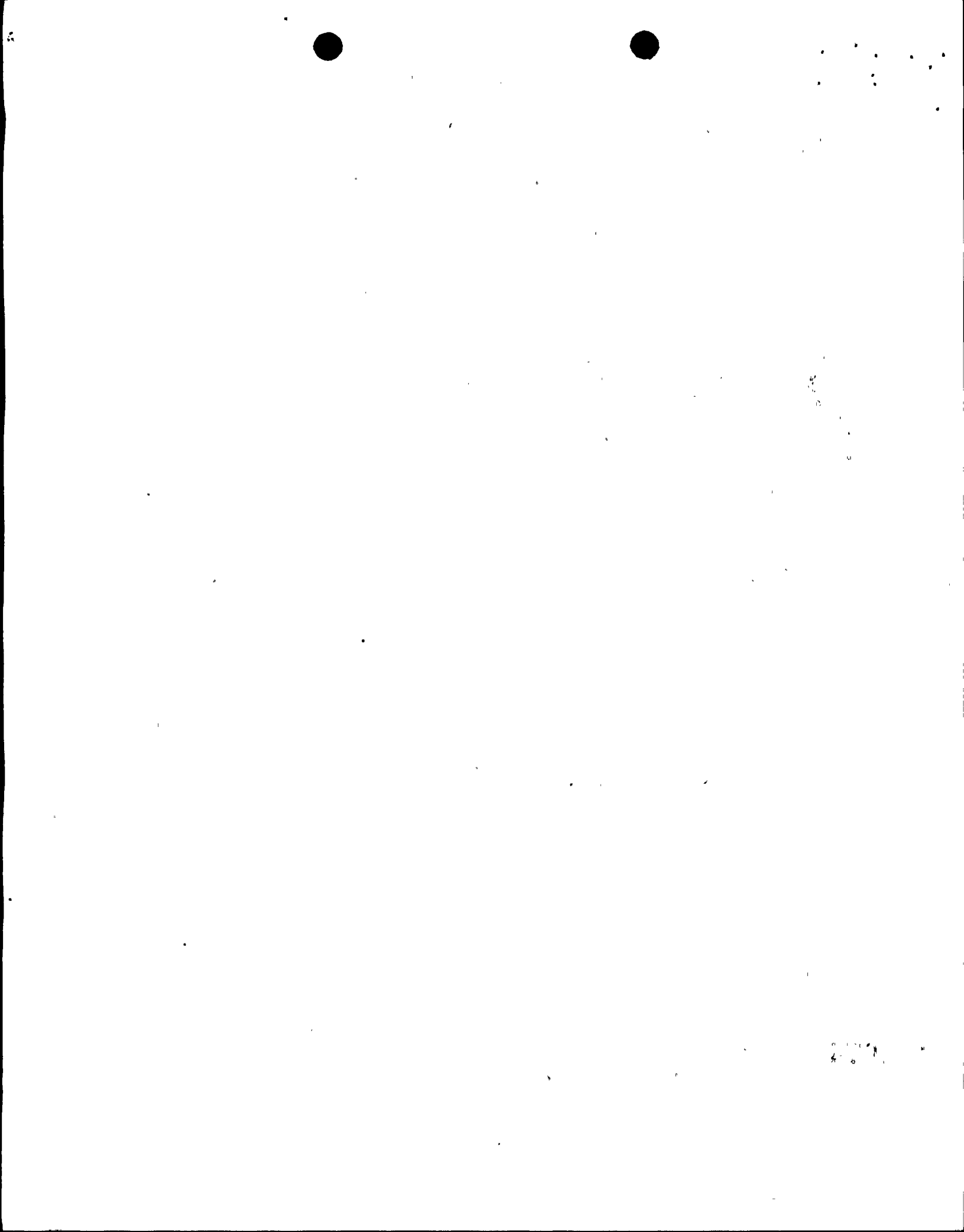
JAS/spt

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

Attachments

17(0) 9609180388 960831
PDR ADOCK 05000335
R PDR

JE24/1



OPERATING DATA REPORT

DOCKET NO 50 - 335
 DATE 09/03/96
 FPL LICENSING GROUP - PSL
 TELEPHONE 561/467/7073

OPERATING STATUS

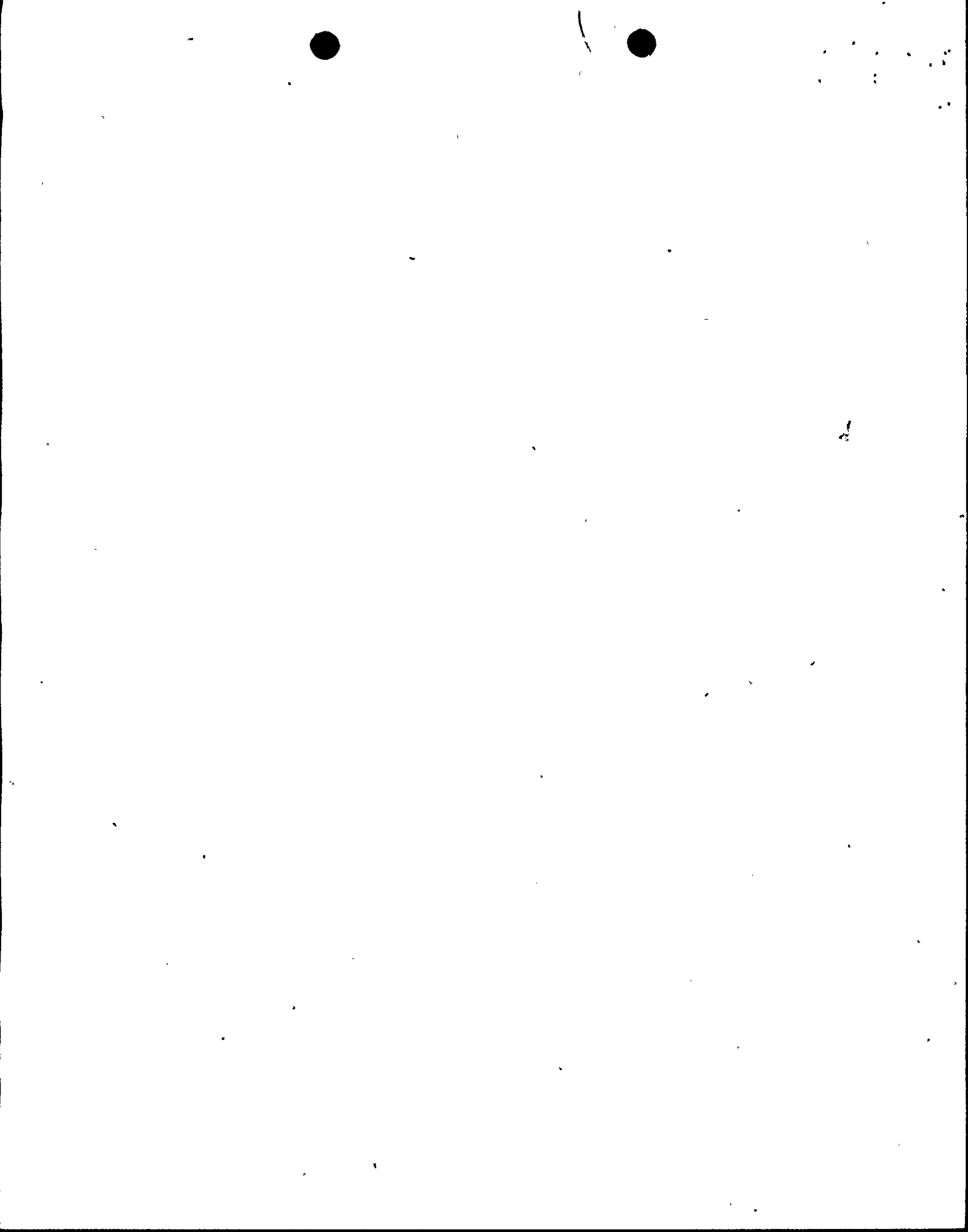
-
1. UNIT NAME: ST. LUCIE UNIT 1
 2. REPORTING PERIOD: AUGUST 1996
 3. LICENSED THERMAL POWER (MWT): _____ 2700
 4. NAMEPLATE RATING (GROSS MWE): _____ 850
 5. DESIGN ELECTRICAL RATING (NET MWE): _____ 830
 6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): _____ 872
 7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): _____ 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	5855.0	172655.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	740.3	3719.2	133759.1
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	730.0	3671.7	132293.3
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1951960	9644610	343121399
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	639450	3156180	113145200
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	606150	2977578	106922851
19. UNIT SERVICE FACTOR _____	98.1	62.7	76.6
20. UNIT AVAILABILITY FACTOR _____	98.1	62.7	76.6
21. CAPACITY FACTOR (USING MDC NET) _____	97.1	60.6	73.8
22. CAPACITY FACTOR (USING DER NET) _____	98.2	61.3	74.6
23. UNIT FORCED OUTAGE RATE _____	0.5	1.8	5.0

24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS: _____

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 9/4/96.



SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-335
UNIT: St. Lucie #1
DATE: September 3, 1996
COMPLETED BY: J.A. ROGERS
TELEPHONE: (407) 467-7296

REPORT MONTH August, 1996

Unit 1 remained at essentially full power until August 23. At 2003 on August 23 the unit began to downpower for a turbine balance shot. At 2340 the turbine was manually taken out of service. Mode 2 was entered at 2345. On August 24 at 0740 the unit entered Mode 1 and was synchronized to the grid at 0958. Unit 1 achieved 100% power at 2230 on August 24. On August 31 at 1903 the unit began to downpower; the reactor and turbine were manually taken out of service at 2018 due to deteriorating conditions on the 1B main transformer. The unit entered Mode 3 at that time.

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 : Sept. 3, 1996
COMPLETED BY: J.A.ROGERS
TELEPHONE: (407) 467-7296

MONTH August, 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
08/01/96	852
08/02/96	837
08/03/96	837
08/04/96	834
08/05/96	837
08/06/96	836
08/07/96	835
08/08/96	839
08/09/96	841
08/10/96	842
08/11/96	846
08/12/96	845
08/13/96	847
08/14/96	845
08/15/96	848
08/16/96	842
08/17/96	840
08/18/96	837
08/19/96	837
08/20/96	835
08/21/96	832
08/22/96	832
08/23/96	768
08/24/96	272
08/25/96	834
08/26/96	838
08/27/96	840
08/28/96	844
08/29/96	844
08/30/96	839
08/31/96	704

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-335
 UNIT NAME: ST LUCIE UNIT 1
 DATE: September 3, 1996
 COMPLETED BY: J.A.ROGERS
 TELEPHONE: (407) 467-7296

REPORT MONTH August, 1996

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
10	8/23/96	F	10.3	A	1	N/A	HA	TURBIN	Unit 1 removed from service to balance turbine.
11	8/31/96	F	3.7	A	1	N/A	EB	TRANSF	Unit 1 removed from service to repair main transformer.

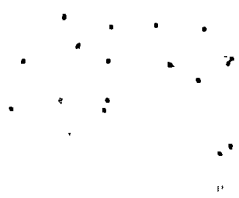
¹
 F Forced
 S Scheduled

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



OPERATING DATA REPORT

DOCKET NO 50 - 389
 DATE 09/03/96
 FPL LICENSING GROUP - PSL
 TELEPHONE 561/467/7073

OPERATING STATUS

-
1. UNIT NAME: ST. LUCIE UNIT 2
 2. REPORTING PERIOD: AUGUST 1996
 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	5855.0	114552.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	744.0	5646.6	96517.2
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON LINE _____	744.0	5516.5	94955.2
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	2007377	14504315	246967037
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	658000	4792890	81853560
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	624033	4532782	77323450
19. UNIT SERVICE FACTOR _____	100	94.2	82.9
20. UNIT AVAILABILITY FACTOR _____	100	94.2	82.9
21. CAPACITY FACTOR (USING MDC NET) _____	100	92.3	80.5
22. CAPACITY FACTOR (USING DER NET) _____	101.5	93.3	81.3
23. UNIT FORCED OUTAGE RATE _____	0.0	4.2	6.5

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.: 50-389
UNIT: St. Lucie #2
DATE: September 3, 1996
COMPLETED BY: J.A. ROGERS
TELEPHONE: (407) 467-7296

REPORT MONTH August, 1996

Unit 2 operated at essentially full power for the entire 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: St. Lucie #2
DATE: Sept. 3, 1996
COMPLETED BY: J.A. ROGERS
TELEPHONE: (407) 467-7296

MONTH August, 1996

DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
08/01/96	848
08/02/96	841
08/03/96	840
08/04/96	839
08/05/96	840
08/06/96	840
08/07/96	841
08/08/96	840
08/09/96	846
08/10/96	840
08/11/96	843
08/12/96	842
08/13/96	846
08/14/96	845
08/15/96	844
08/16/96	841
08/17/96	838
08/18/96	838
08/19/96	837
08/20/96	835
08/21/96	835
08/22/96	825
08/23/96	836
08/24/96	835
08/25/96	838
08/26/96	837
08/27/96	837
08/28/96	835
08/29/96	837
08/30/96	834
08/31/96	831

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389
 UNIT NAME: ST LUCIE UNIT 2
 DATE: September 3, 1996
 COMPLETED BY: J.A.ROGERS
 TELEPHONE: (407) 467-7296

REPORT MONTH August, 1996

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
									Unit 2 operated at full power for the entire month.

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

9/3/96
13:25:06

Florida Power and Light Company
Nuclear Generation Data
8/1/96 to 8/31/96

Item	Units	PSL-01	PSL-02	Totals				
01 Generation	Mwh	639,450	658,000	1,297,450				
02 Auxillaries	Mwh	33,300	33,967	67,267				
03 Net Output	Mwh	606,150	624,033	1,230,183				
04 Capacity Factor	%	97.11	99.97	98.54				
05 Net Output Factor	%	99.02	99.97	99.50				
06 Fuel Consumed	Mbtu	6,659,708	6,848,780	13,508,489				
07 Unit Operation	Hrs.Min	730.00	744.00	743.40				
08 Mw Used Off line	Mwh	341	0	341				
09 Net Heat Rate	Btu/Kwh	10,986.9	10,975.0	10,980.9				
10 Avg Net Oper Heatrate	Btu/Kwh	10,980.7	10,975.0	10,977.8				
11 Burnup	Efph	722.72	743.21					
12 Accumulated Burnup	Efph	830.05	5,370.31					
13 Boron	Ppm	31,496	24,554					
14 Equv. Bbl Fuel Consumed	Bbl	1,053,751.3	1,083,667.7	2,137,419.1				
15 Output Per Equiv. Bbl	Kwh/Bbl	575.2	575.9	575.5				
	Unit	Power	Startup	HSB	HSD	CSD	Refuel	
16	01	732.23	7.55	3.42	0.00	0.00	0.00	
	02	744.00	0.00	0.00	0.00	0.00	0.00	
17	Pit-Max Hr Gen,Output,Hr	Mwh, Hrs	0	0				0,0
18	Date Sta Mx Hour Gen							8/30/96
19	Date Sta Mx Hour Out							

Comments: See GADS Report

