

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9405180026      DOC. DATE: 94/04/30      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  
 WHITE, C.D.                      Florida Power & Light Co.  
 SAGER, D.A.                      Florida Power & Light Co.  
 RECIP. NAME                      RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Apr 1994 for St Lucie Units 1 & 2.W/(940512) ltr.

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 TITLE: Monthly Operating Report (per Tech Specs)

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P.O. Box 128, Ft. Pierce, FL 34954-0128

May 12, 1994

L-94-120  
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 April, 1994, 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 #1121-94

18002

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PDR ADDCK 05000335  
R PDR

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1955-1956

1955-1956

OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 5/ 9/94  
 COMPLETED BY C. D. WHITE  
 TELEPHONE 407/468/4248

OPERATING STATUS

- 
1. UNIT NAME: ST. LUCIE UNIT 1
  2. REPORTING PERIOD: APRIL 1994
  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: _____	719	2879	152159.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	710.2	2772.4	118302.4
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	659.4	2714.7	117069.6
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1741819	7229577	302994878
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	572710	2374370	99987660
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	541166	2246703	94505065
19. UNIT SERVICE FACTOR _____	91.7	94.3	76.9
20. UNIT AVAILABILITY FACTOR _____	91.7	94.3	77.0
21. CAPACITY FACTOR (USING MDC NET) _____	89.7	93.0	76.4
22. CAPACITY FACTOR (USING DER NET) _____	90.7	94.0	75.7
23. UNIT FORCED OUTAGE RATE _____	8.3	5.7	4.0
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			
UNIT 1 CYCLE 13 REFUELING OUTAGE SCHEDULED TO BEGIN OCTOBER 15, 1994. _____			

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-335  
UNIT: St. Lucie #1  
DATE : 05/09/94  
COMPLETED BY: C. D. White  
TELEPHONE: (407) 468-4248

MONTH APRIL, 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

4/01/94	-34
4/02/94	66
4/03/94	-31
4/04/94	668
4/05/94	847
4/06/94	854
4/07/94	854
4/08/94	851
4/09/94	851
4/10/94	846
4/11/94	850
4/12/94	850
4/13/94	849
4/14/94	849
4/15/94	853
4/16/94	854
4/17/94	852
4/18/94	845
4/19/94	844
4/20/94	843
4/21/94	841
4/22/94	842
4/23/94	844
4/24/94	836
4/25/94	833
4/26/94	834
4/27/94	832
4/28/94	828
4/29/94	781
4/30/94	818



SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-335  
UNIT: St. Lucie #1  
DATE: 05/09/94  
COMPLETED BY: C. D. White  
TELEPHONE: (407) 468-4248

REPORT MONTH APRIL, 1994

Unit 1 was off-line until April 2, 1994, to repair a shutdown cooling suction isolation valve. The repair was completed and reactor power was increased to approximately 20%. On April 2, 1994, the unit was held at 20% to repair the 1A startup transformer breaker. On April 3, 1994, the unit tripped automatically due to a control element drive mechanism bus overcurrent and undervoltage transient caused by a procedural error. On April 4, 1994, Unit 1 was increased in power and the average daily power level remained above 80% for the rest of the month.

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.





# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-335  
 UNIT NAME: ST LUCIE UNIT 1  
 DATE: 05/09/94  
 COMPLETED BY: C. D. WHITE  
 TELEPHONE: (407) 468-4248

REPORT MONTH APRIL, 1994

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	3/29/94	F	35.3	B	4	N/A	CF	VALVES	Unit 1 remained off-line to repair a shutdown cooling system suction isolation valve.
5	4/2/94	F	0.0	B	1	N/A	EB	TRANSF	Unit 1 remained at low power to repair the 1A startup transformer breaker.
6	4/3/94	F	24.3	G	3	LER 94-04	ED	GENERA	Unit 1 reactor/turbine trip due to procedural error.

<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 5/ 9/94  
 COMPLETED BY C. D. WHITE  
 TELEPHONE 407/468/4248

OPERATING STATUS

-----

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: APRIL 1994
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: _____	719	2879	94056.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	192.3	1248.4	78412.1
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	82.6	1138.7	77034.0
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	105358	2913584	199874509
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	30760	941450	66451000
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	13815	870046	62771217
19. UNIT SERVICE FACTOR _____	11.5	39.6	81.9
20. UNIT AVAILABILITY FACTOR _____	11.5	39.6	81.9
21. CAPACITY FACTOR (USING MDC NET) _____	2.3	36.0	80.5
22. CAPACITY FACTOR (USING DER NET) _____	2.3	36.4	80.9
23. UNIT FORCED OUTAGE RATE _____	58.9	9.4	7.4
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: 05/09/94  
COMPLETED BY: C. D. White  
TELEPHONE: (407) 468-4248

MONTH APRIL, 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

4/01/94	-12
4/02/94	-12
4/03/94	-11
4/04/94	-12
4/05/94	-11
4/06/94	-9
4/07/94	-9
4/08/94	-9
4/09/94	-11
4/10/94	-12
4/11/94	-12
4/12/94	-13
4/13/94	-17
4/14/94	-24
4/15/94	-28
4/16/94	-30
4/17/94	-30
4/18/94	-31
4/19/94	-32
4/20/94	-32
4/21/94	-32
4/22/94	36
4/23/94	69
4/24/94	-32
4/25/94	-32
4/26/94	-32
4/27/94	-32
4/28/94	65
4/29/94	363
4/30/94	558



SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.: 50-389  
UNIT: St. Lucie #2  
DATE: 05/09/94  
COMPLETED BY: C. D. White  
TELEPHONE: (407) 468-4248

REPORT MONTH APRIL, 1994

Unit 2 continued its Cycle 8 refueling outage until April 22, 1994. The unit was then operated at low power for post refueling outage testing until April 23, 1994. The unit automatically tripped on April 23, 1994 during testing due to a wiring error in the RPS channel B bypass circuit. On April 26, 1994, the unit was operated at low power during repairs to the turbine steam bypass system. From April 28, 1994, until April 30, 1994, power was increased and then held at approximately 50% for physics testing. Power was then increased to approximately 65% and held for chemistry purposes for the remainder of the month.

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.

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389  
 UNIT NAME: ST LUCIE UNIT 2  
 DATE: 05/09/94  
 COMPLETED BY: C. D. WHITE  
 TELEPHONE: (407) 468-4248

REPORT MONTH APRIL 1994

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	2/14/94	S	513.9	C	4	N/A	RC	FUELXX	Unit 2 was off-line for Cycle 8 refueling.
3	4/22/94	S	0.0	B	1	N/A	RC	FUELXX	Unit 2 operated at reduced power for post refueling tests.
4	4/23/94	F	82.7	A	3	LER 94-03	IA	INSTRU	Unit 2 tripped during testing due to an improperly wired RPS channel B bypass circuit .
5	4/27/94	F	35.7	B	5	N/A	HE	VALVES	Unit 2 remained at reduced power due to a problem with the turbine steam bypass system
6	4/29/94	S	0.0	B	1	N/A	RC	FUELXX	Unit 2 was held at approximately 50% power for physics testing.
7	4/30/94	S	0.0	B	1	N/A	PC	ZZZZZZ	Unit 2 was held at approximately 65% power for chemistry 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  
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<sup>5</sup>  
 Exhibit 1 - Same Source

