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

SUBJECT: Monthly operating repts for Sept 1993 for St Lucie Units 1 & 2. W/931012 ltr. S

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

October 12, 1993

L-93-263
10 CFR 50.36

9310190367 930930
PDR ADOCK 05000335
R PDR

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 September, 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 #1005-93

200033

1000-111

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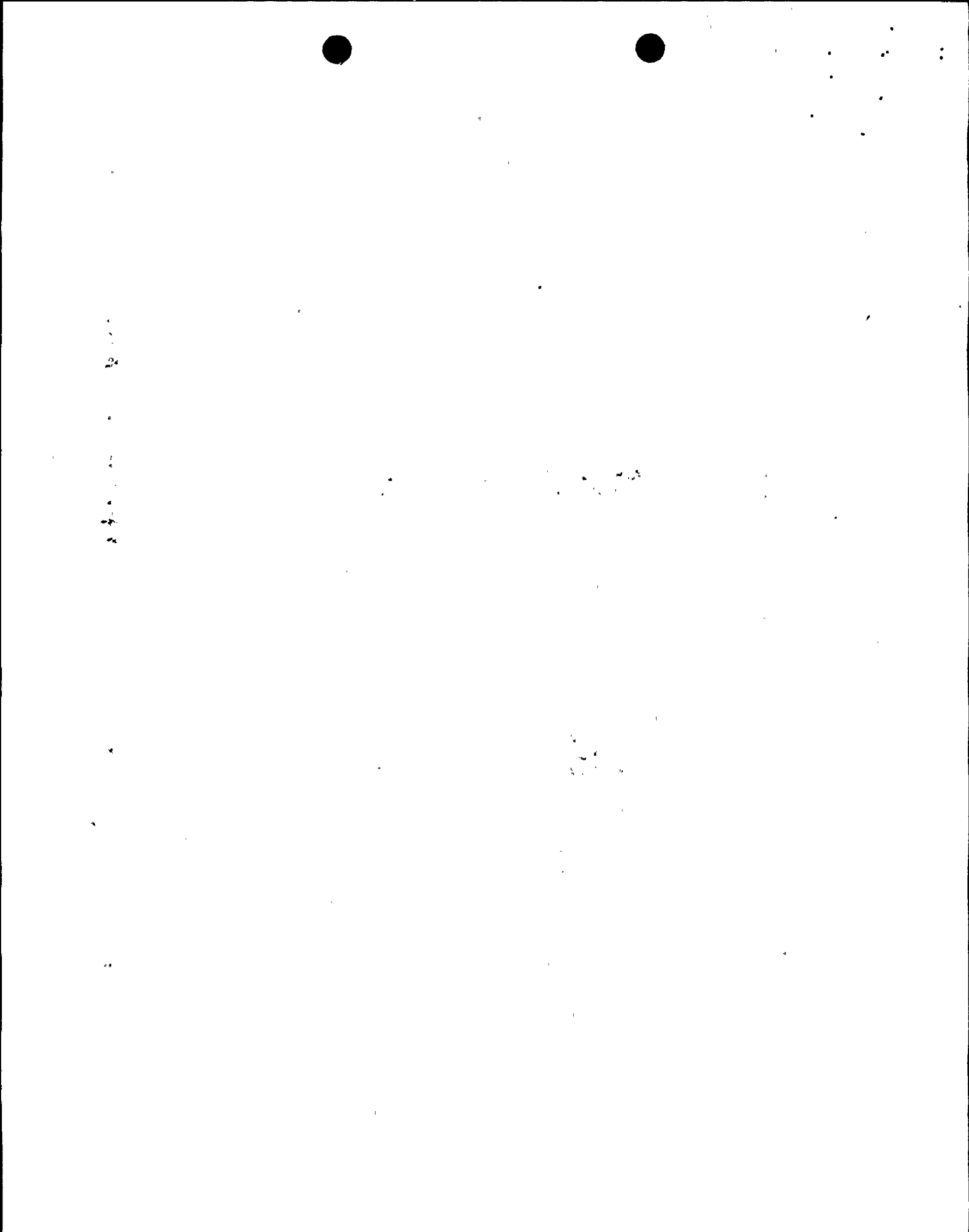
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-335
UNIT: St. Lucie #1
DATE : 10/12/93
COMPLETED BY: C. D. WHITE
TELEPHONE: (407) 468-4248

MONTH SEPTEMBER, 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

9/01/93	475
9/02/93	800
9/03/93	837
9/04/93	837
9/05/93	839
9/06/93	836
9/07/93	834
9/08/93	832
9/09/93	835
9/10/93	835
9/11/93	838
9/12/93	834
9/13/93	836
9/14/93	838
9/15/93	839
9/16/93	839
9/17/93	838
9/18/93	161
9/19/93	58
9/20/93	236
9/21/93	236
9/22/93	-2
9/23/93	-34
9/24/93	89
9/25/93	299
9/26/93	282
9/27/93	32
9/28/93	396
9/29/93	711
9/30/93	658



OPERATING DATA REPORT

DOCKET NO 50 - 335
 DATE 10/12/93
 COMPLETED BY C. D. WHITE
 TELEPHONE 407/468/4248

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: SEPTEMBER 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: _____	720	6551	147071.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	626.3	4650.5	113321.1
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	579.3	4470.5	112145.9
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1351961	11614065	289949775
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	436720	3836930	95696830
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	406717	3615077	90440947
19. UNIT SERVICE FACTOR _____	80.5	68.2	76.3
20. UNIT AVAILABILITY FACTOR _____	80.5	68.2	76.3
21. CAPACITY FACTOR (USING MDC NET) _____	67.3	65.8	75.7
22. CAPACITY FACTOR (USING DER NET) _____	68.1	66.5	75.0
23. UNIT FORCED OUTAGE RATE _____	19.5	3.1	4.0
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: 10/12/93
 COMPLETED BY: C. D. WHITE
 TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

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	930901	F	0.0	B	5	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 2, 1993.
11	930918	F	106.23	F	5	LER 93-07	HF	HTEXCH	Unit 1 reduced power due to high backpressure caused by excessive jellyfish intrusion.
12	930925	F	3.93	B	5	N/A	HB	VALVEX	Unit 1 reduced power to repair #2 governor valve.
13	930925	F	30.57	F	5	N/A	HF	HTEXCH	Unit 1 reduced power due to high backpressure caused by excessive jellyfish intrusion.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-335
 UNIT NAME: ST LUCIE UNIT 1
 DATE: 10/12/93
 COMPLETED BY: C. D. WHITE
 TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

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
14	930930	F	0.0	B	5	N/A	HH	PUMPXX	Unit 1 reduced power to investigate problems with the 1B Main Feedwater Pump.

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.: 50-335
UNIT: St. Lucie #1
DATE: 10/12/93
COMPLETED BY: C. D. WHITE
TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

On September 1, 1993, Unit 1 remained at reduced power due to a circulating water pump low lube water flow alarm. This power reduction was a continuation from August 30, 1993. The unit was returned to full power on September 2, 1993. On September 18, 1993, Unit 1 reduced power due to high backpressure caused by excessive jellyfish intrusion. The unit held at 30% power on September 19, 1993, for chemistry testing and was taken off-line on September 22 and September 23, 1993, again for high backpressure due to jellyfish intrusion. Unit 1 remained at reduced power on September 25, 1993 to repair the #2 governor valve. On September 27, 1993, the unit again held at 30% power for chemistry testing. The unit remained at reduced power through September 29, 1993, due to jellyfish intrusion and on September 30, 1993 reduced power to investigate problems with the 1B main feedwater pump.

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: 10/12/93
COMPLETED BY: C. D. WHITE
TELEPHONE: (407) 468-4248

MONTH SEPTEMBER, 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

9/01/93	783
9/02/93	771
9/03/93	764
9/04/93	746
9/05/93	739
9/06/93	686
9/07/93	384
9/08/93	393
9/09/93	525
9/10/93	674
9/11/93	588
9/12/93	660
9/13/93	816
9/14/93	832
9/15/93	833
9/16/93	831
9/17/93	830
9/18/93	829
9/19/93	823
9/20/93	823
9/21/93	820
9/22/93	587
9/23/93	632
9/24/93	747
9/25/93	743
9/26/93	472
9/27/93	308
9/28/93	362
9/29/93	362
9/30/93	236



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OPERATING DATA REPORT

DOCKET NO 50 - 389
 DATE 10/12/93
 COMPLETED BY C. D. WHITE
 TELEPHONE 407/468/4248

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: SEPTEMBER 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:	720	6551	88968.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	720.0	4562.8	74967.1
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	720.0	4505.8	73711.2
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1569594	11317091	192682093
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	502690	3684490	64164140
18. NET ELECTRICAL ENERGY GENERATED (MWH)	470362	3457719	60649461
19. UNIT SERVICE FACTOR	100.0	68.8	82.9
20. UNIT AVAILABILITY FACTOR	100.0	68.8	82.9
21. CAPACITY FACTOR (USING MDC NET)	77.9	62.9	82.3
22. CAPACITY FACTOR (USING DER NET)	78.7	63.6	82.7
23. UNIT FORCED OUTAGE RATE	0.0	31.2	7.5
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: 10/12/93
 COMPLETED BY: C. D. WHITE
 TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

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
16	930906	S	0.0	B	5	N/A	HF	HTEXCH	Unit 2 reduced power for waterbox cleaning.
17	930911	F	0.0	B	5	N/A	HF	FILTER	Unit 2 reduced power due to failure of the 2A1, 2A2, and 2B1 circulating water pump traveling screens and high backpressure.
18	930922	F	0.0	F	5	N/A	HF	HTEXCH	Unit 2 reduced power due to high backpressure caused by excessive jellyfish intrusion.
19	930926	F	0.0	F	5	N/A	HF	HTEXCH	Unit 2 reduced power due to high backpressure caused by excessive jellyfish intrusion.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389
 UNIT NAME: ST LUCIE UNIT 2
 DATE: 10/12/93
 COMPLETED BY: C. D. WHITE
 TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

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
20	930927	F	0.0	B	5	N/A	HF	HTEXCH	Unit 2 reduced power to repair a condenser tube leak and for waterbox cleaning.
21	930930	F	0.0	B	5	N/A	HF	FILTER	Unit 2 reduced power to due to a leak in the screen wash system.

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: 10/12/93
COMPLETED BY: C. D. WHITE
TELEPHONE: (407) 468-4248

REPORT MONTH SEPTEMBER, 1993

Unit 2 reduced power from September 6, 1993 through September 10, 1993 for waterbox cleaning. On September 11, 1993, the unit reduced power due to a failure of the 2A1, 2A2, and 2B1 circulating water pump traveling screens. The unit remained at reduced power on September 12, 1993 due to high backpressure. On September 13, 1993 Unit 2 returned to full power. The unit reduced power again on September 22, 1993 due to high backpressure caused by excessive jellyfish intrusion. Unit 2 operated above 80% power from September 24, 1993 through September 25, 1993. On September 26, 1993, the unit again reduced power due to excessive jellyfish intrusion. From September 27, 1993 to September 29, 1993, Unit 2 held at about 50% power to repair a condenser tube leak and to clean the 2A2 waterbox. The unit reduced power again on September 30, 1993 due to a leak in the screen wash system and remained at reduced power due to high backpressure and increasing differential pressure across the 2B2 well.

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.