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 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
 BREEN, J.J. Florida Power & Light Co.
 SAGER, D.A. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for May 1991 for St Lucie.W/910613
ltr.

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JUN 13 1991

L-91-169
10 CFR 50.36

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

Gentlemen:

Re: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Monthly Operating Report

Attached are the May 1991 Operating Status and Summary of Operating Experience Reports for St. Lucie Units 1 and 2.

Very truly yours,

D. A. Sager
D. A. Sager
Vice President
St. Lucie Plant

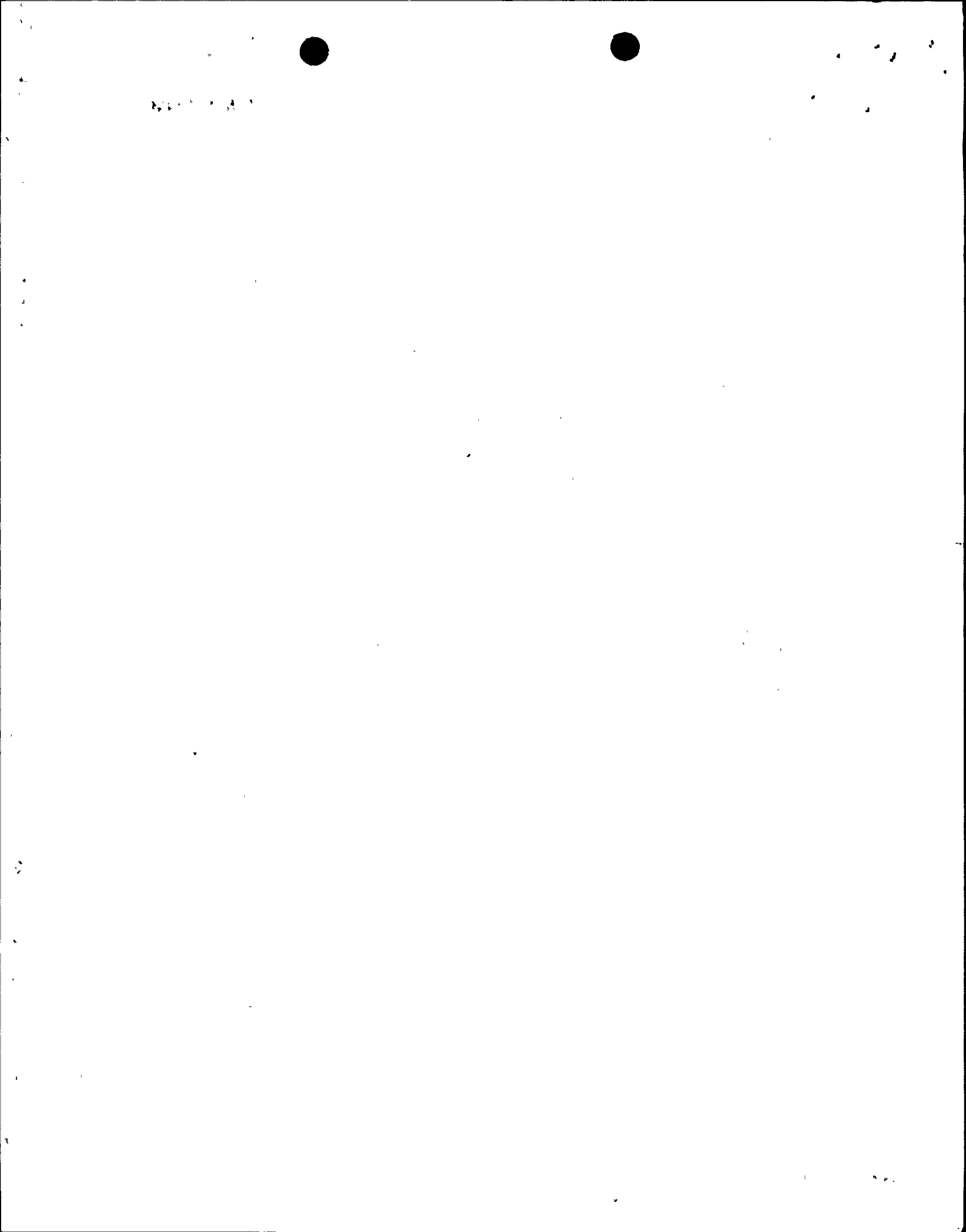
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cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

Attachments

DAS/PSL #451

11
IE24



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-335
UNIT St. Lucie #1
DATE JUN 13 1991
COMPLETED BY J.J. Breen
TELEPHONE (407) 465-3550

MONTH MAY, 1991

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

5/ 1/91	856
5/ 2/91	854
5/ 3/91	849
5/ 4/91	842
5/ 5/91	40
5/ 6/91	142
5/ 7/91	575
5/ 8/91	700
5/ 9/91	846
5/10/91	846
5/11/91	844
5/12/91	840
5/13/91	841
5/14/91	813
5/15/91	721
5/16/91	849
5/17/91	845
5/18/91	843
5/19/91	843
5/20/91	845
5/21/91	807
5/22/91	737
5/23/91	851
5/24/91	850
5/25/91	848
5/26/91	841
5/27/91	844
5/28/91	841
5/29/91	829
5/30/91	783
5/31/91	588

OPERATING DATA REPORT

DOCKET NO 50 - 335
 DATE JUN 13 1991
 COMPLETED BY J. J. BREEN
 TELEPHONE 407/465/3550

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: MAY 1991
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	3623	126599.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL -----	715.9	3576.4	96534.9
13. REACTOR RESERVE SHUTDOWN HOURS -----	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE -----	709.8	3566.6	95670.9
15. UNIT RESERVE SHUTDOWN HOURS -----	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) -----	1825086	9450032	246692086
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) -----	600690	3154810	81363450
18. NET ELECTRICAL ENERGY GENERATED (MWH) -----	567661	2991924	76884666
19. UNIT SERVICE FACTOR -----	95.4	98.4	75.6
20. UNIT AVAILABILITY FACTOR -----	95.4	98.4	75.6
21. CAPACITY FACTOR (USING MDC NET) -----	90.9	98.4	75.2
22. CAPACITY FACTOR (USING DER NET) -----	91.9	99.5	74.2
23. UNIT FORCED OUTAGE RATE -----	1.9	0.4	4.2
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : 10/18/91; REFUELING 63 DAYS -----			
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 JUN 13 1991
 COMPLETED BY J. J. BREEN
 TELEPHONE (407) 465-3550

REPORT MONTH MAY, 1991

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
5	910505	S	0.0	B	5	N/A	RB	CONROD	Downpowered for Control Rod Testing.
5	910505	S	20.7	B	4	N/A	RB	CONROD	Unit 1 down for Control Rod Testing.
6	910506	S	0.0	F	1	N/A	RC	ZZZZZZ	Unit 1 held at approximately 45% power for Nuclear Instrumentation Calibration.
7	910506	F	13.5	A	2	91-03	HH	PUMPXX	Unit 1 was manually tripped due to Feedwater Pump tripping.
8	910506	F	0.0	F	1	N/A	HH	PUMPXX	Power held at approximately 70% to monitor the 1A Heater Drain Pump and ASI stabilization.

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 JUN 13 1991
 COMPLETED BY J. J. BREEN
 TELEPHONE (407) 465-3550

REPORT MONTH MAY, 1991

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
9	910508	F	0.0	F	1	N/A	HH	PUMPXX	Power held at approximately 80% to monitor the 1A Heater Drain Pump and ASI stabilization.
10	910530	S	0.0	B	5	N/A	HF	XXXXXX	Unit 1 downpowered for cleaning of the 1A2 & 1B2 waterboxes.
11	910531	S	0.0	B	5	N/A	HF	XXXXXX	Unit 1 downpowered to approximately 70% for continued waterbox cleaning.

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
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 Exhibit 1 - Same Source

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SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-335
UNIT St. Lucie #1
DATE JUN 13 1991
COMPLETED BY J.J. Breen
TELEPHONE (407) 465-3550

REPORT MONTH MAY, 1991

On May 5, 1991, Unit 1 began a controlled shutdown for control rod testing. Power was then held at 33% for Transmission and Distribution (T&D) troubleshooting of voltage readings; the Unit then continued to decrease in power for control rod testing until it was taken offline. Control rod testing was completed on May 6, 1991, and Unit 1 began to increase in power. At approximately 45% power a hold was placed upon the Unit for a Nuclear Instrumentation Calibration. At 98% of full power the reactor was manually tripped in response to a runback initiated by the 1A Main Feedwater Pump. The Unit was returned to power following corrective actions to the 5A feedwater heater level switch and the main feedwater pump low pressure trip setpoint. The Unit had hold points at approximately 70% and 80% to monitor the 1A Heater Drain Pump and ASI stabilization. On May 9, 1991, Unit 1 reached 100% power and remained there until May 30, 1991.

On May 30, 1991, Unit 1 reduced power to approximately 70% for cleaning of the 1A2 & 1B2 waterboxes. Due to a need for electrical power Unit 1 was increased to approximately 90% power, and then lowered again to 70% for completion of waterbox cleaning.

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 JUN 13 1991
COMPLETED BY J.J. Breen
TELEPHONE (407) 465-3550

MONTH MAY, 1991

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

5/ 1/91	806
5/ 2/91	861
5/ 3/91	857
5/ 4/91	860
5/ 5/91	862
5/ 6/91	859
5/ 7/91	860
5/ 8/91	838
5/ 9/91	787
5/10/91	859
5/11/91	859
5/12/91	859
5/13/91	858
5/14/91	860
5/15/91	859
5/16/91	857
5/17/91	852
5/18/91	851
5/19/91	854
5/20/91	821
5/21/91	616
5/22/91	653
5/23/91	701
5/24/91	718
5/25/91	709
5/26/91	829
5/27/91	864
5/28/91	864
5/29/91	862
5/30/91	859
5/31/91	860

OPERATING DATA REPORT

DOCKET NO 50 - 389
 DATE JUN 13 1991
 COMPLETED BY J. J. BREEN
 TELEPHONE 407/465/3550

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: MAY 1991
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	3623	68496.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	744.0	3623.0	58483.3
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	744.0	3623.0	57467.3
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1935709	9699100	150488181
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	646280	3273880	50170800
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	612337	3108685	47442788
19. UNIT SERVICE FACTOR _____	100.0	100.0	83.9
20. UNIT AVAILABILITY FACTOR _____	100.0	100.0	83.9
21. CAPACITY FACTOR (USING MDC NET) _____	98.1	102.3	84.1
22. CAPACITY FACTOR (USING DER NET) _____	99.2	103.4	84.2
23. UNIT FORCED OUTAGE RATE _____	0.0	0.0	5.6
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS ;			

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

100 21 100

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.	50-389
UNIT NAME	ST LUCIE UNIT 2
DATE	JUN 13 1991
COMPLETED BY	J. J. BREEN
TELEPHONE	(407) 465-3550

REPORT MONTH MAY, 1991

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
1	910520	S	0.0	B	5	N/A	HF	XXXXXX	Unit 2 downpowered for waterbox cleaning.

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

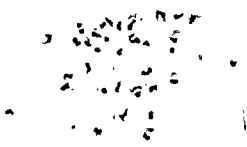
SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-389
UNIT St. Lucie #2
DATE JUN 13 1991
COMPLETED BY J.J. Breen
TELEPHONE (407) 465-3550

REPORT MONTH MAY, 1991

On May 20, 1991, until May 25, 1991, Unit 2 reduced power for waterbox cleaning. On May 27, 1991, Unit 2 was at 100% power and remained there 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.



100-2-100