

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9002260449     DOC. DATE: 90/01/31     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  
 BONETT, D.M.                 Florida Power & Light Co.  
 SAGER, D.A.                  Florida Power & Light Co.  
 RECIP. NAME                 RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Jan 1990 for St Lucie Units 1 &  
           2.W/900215 ltr.

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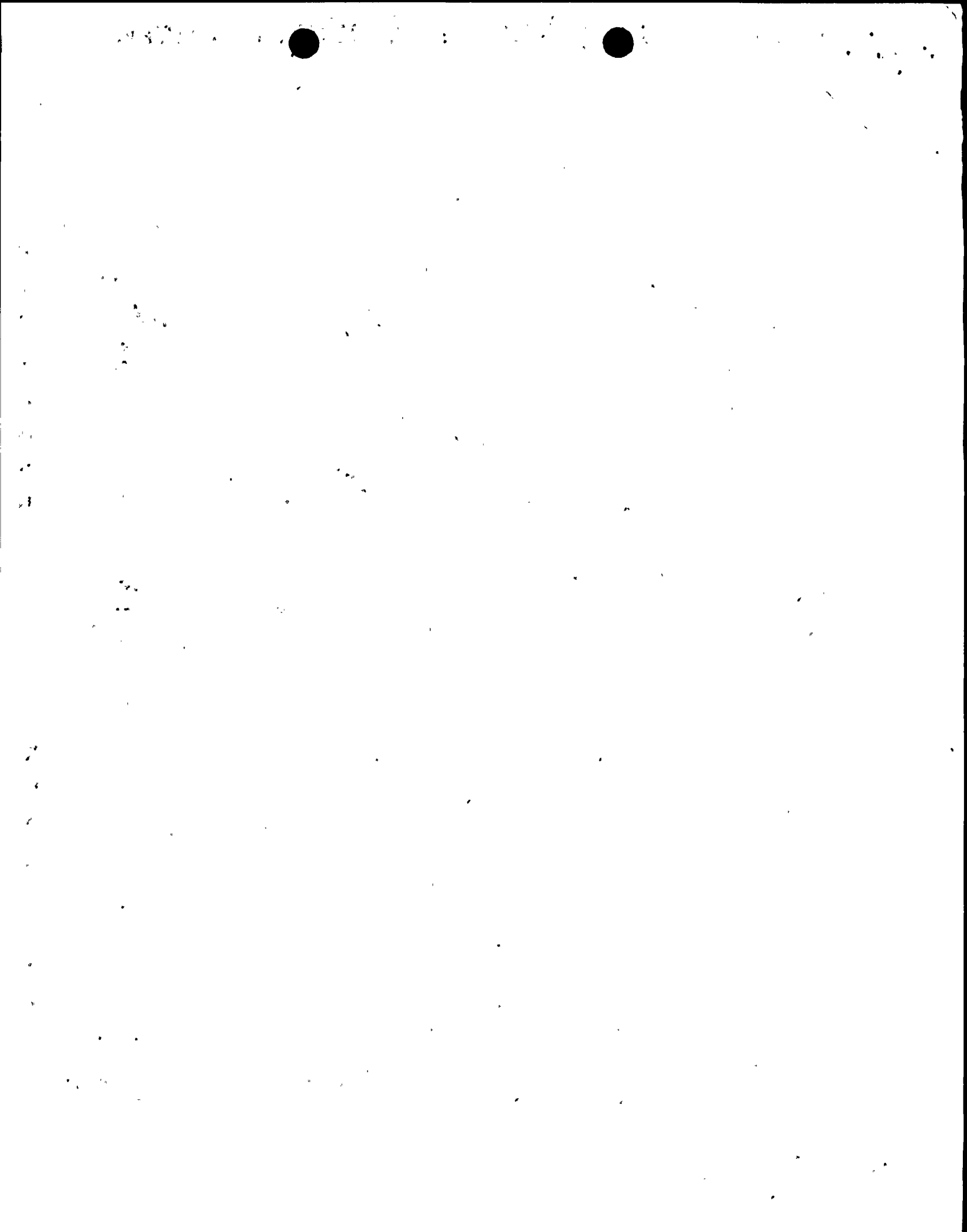
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FEBRUARY 15 1990

L-90-53  
10 CFR 50.36

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

Gentlemen:

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

Attached are the January 1990 Operating Status and Summary of Operating Experience Reports for St. Lucie Units 1 and 2.

Very truly yours,

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

DAS/DMB

Attachments

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

9002260449 900131  
PDR ADOCK 05000335  
R PNU

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101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-335  
UNIT St. Lucie #1  
DATE February 15, 1990  
COMPLETED BY D. M. Bonett  
TELEPHONE (407) 694-4432

MONTH January, 1990

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1/ 1/90	858
1/ 2/90	858
1/ 3/90	863
1/ 4/90	867
1/ 5/90	842
1/ 6/90	765
1/ 7/90	869
1/ 8/90	868
1/ 9/90	866
1/10/90	864
1/11/90	836
1/12/90	778
1/13/90	868
1/14/90	870
1/15/90	870
1/16/90	868
1/17/90	866
1/18/90	865
1/19/90	863
1/20/90	861
1/21/90	859
1/22/90	32
1/23/90	-19
1/24/90	-20
1/25/90	-12
1/26/90	-4
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1/28/90	-3
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1/30/90	-3
1/31/90	-3

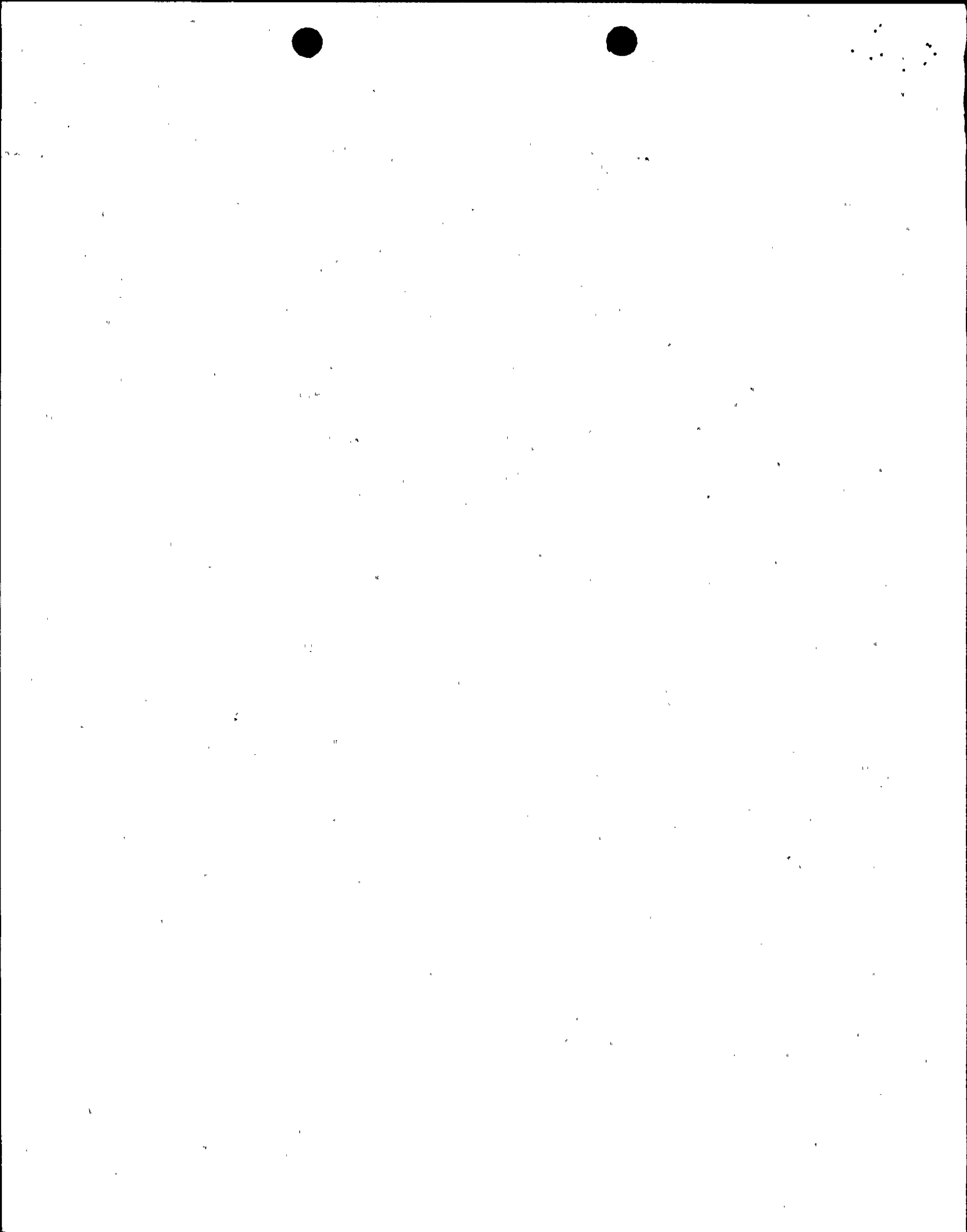
OPERATING DATA REPORT

DOCKET NO 50 - 335  
 DATE 2/15/90  
 COMPLETED BY D. M. BONETT  
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: JANUARY 1990
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	744	114960.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	507.0	507.0	87895.6
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	506.9	506.9	87143.9
15. UNIT RESERVE SHUTDOWN HOURS _____	0.0	0.0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1348855	1348855	224306495
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	454310	454310	73897380
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	429093	429093	69827958
19. UNIT SERVICE FACTOR _____	68.1	68.1	75.8
20. UNIT AVAILABILITY FACTOR _____	68.1	68.1	75.8
21. CAPACITY FACTOR (USING MDC NET) _____	68.7	68.7	75.6
22. CAPACITY FACTOR (USING DER NET) _____	69.5	69.5	74.3
23. UNIT FORCED OUTAGE RATE _____	2.3	2.3	3.5
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : 1/22/90; REFUELING _____			
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 4/21/90			



# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335

UNIT NAME St. Lucie #1

DATE February 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH January, 1990

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
01	900122	F	12.1	A	1		CC	HTEXCH	Unit 1 was shutdown to repair a tube leak in the 1B Steam Generator.
02	900122	S	225.0	C	1		RC	FUELXX	During the investigation into the 1B Steam Generator leak, a decision was made to begin the scheduled refueling and maintenance outage.

**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 Scheets 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 February 15, 1990  
COMPLETED BY D. M. Bonett  
TELEPHONE (407) 694-4432

REPORT MONTH January, 1990

Unit 1 was shutdown to repair a tube leak in the 1B Steam Generator. During the investigation into the 1B Steam Generator leak, a decision was made to begin the scheduled refueling and maintenance outage.

In accordance with 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 February 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

MONTH January, 1990

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

1/ 1/90	856
1/ 2/90	828
1/ 3/90	716
1/ 4/90	597
1/ 5/90	-24
1/ 6/90	-9
1/ 7/90	-9
1/ 8/90	-9
1/ 9/90	-9
1/10/90	-9
1/11/90	-11
1/12/90	-14
1/13/90	-26
1/14/90	-13
1/15/90	-34
1/16/90	144
1/17/90	598
1/18/90	772
1/19/90	857
1/20/90	859
1/21/90	859
1/22/90	851
1/23/90	859
1/24/90	860
1/25/90	860
1/26/90	859
1/27/90	860
1/28/90	860
1/29/90	860
1/30/90	861
1/31/90	859

OPERATING DATA REPORT

DOCKET NO 50 - 389  
 DATE 2/15/90  
 COMPLETED BY D. M. BONETT  
 TELEPHONE 407/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: JANUARY 1990
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	744	56857.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	504.5	504.5	48673.4
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE	465.2	465.2	47819.9
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1191237	1191237	124988633
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	398360	398360	41650270
18. NET ELECTRICAL ENERGY GENERATED (MWH)	371911	371911	39385025
19. UNIT SERVICE FACTOR	62.5	62.5	84.1
20. UNIT AVAILABILITY FACTOR	62.5	62.5	84.1
21. CAPACITY FACTOR (USING MDC NET)	59.6	59.6	84.6
22. CAPACITY FACTOR (USING DER NET)	60.2	60.2	84.4
23. UNIT FORCED OUTAGE RATE	37.5	37.5	5.8
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. 50-389

UNIT NAME St. Lucie #2

DATE February 15, 1990

COMPLETED BY D. M. Bonett

TELEPHONE (407) 694-4432

REPORT MONTH January, 1990

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
01	900104	F	239.5	A	1	N/A	CB	VALVEX	Unit 2 was shutdown for minor leak repairs to two valves in the pressurizer cubicle area.
02	900114	F	0.0	A	5	N/A	WG	INSTRU	During the return to power, following the repair of the pressurizer valves, the unit was held at approximately 20% power due to a problem with the Main Feedwater Regulating Valve Level Transmitter LT-9011.
03	900114	F	39.3	G	3	50-389-90-01	WG	MECFUN	During the return to full power, the reactor was tripped due to an operator error. While off line, a problem with the 2C Auxiliary Feedwater Governor Valve was investigated and repaired.

**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 Scheets Licensee Event Report (LER) File (NUREG-0161)

**5**  
Exhibit 1 - Same Source



# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 250-389

UNIT NAME St. Lucie #2

DATE February 15, 1990

COMPLETED BY D. M. Bonett

REPORT MONTH January, 1990

TELEPHONE (407) 694-4432

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
04	900116	S	0.0	B	5	N/A	HA	TURBIN	The ascent to full power was resumed following a turbine performance test.
05	900116	F	0.0	A	5	N/A	HJ	PUMPXX	Unit 2 was held at approximately 70% power for the repair of the 2A Turbine Cooling Water Pump Mechanical Seal. Full power operation was resumed.

**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 Scheets Licensee Event Report (LER) File (NUREG-0161)

**5**  
Exhibit 1 - Same Source



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SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-389  
UNIT St. Lucie #2  
DATE February 15, 1990  
COMPLETED BY D. M. Bonett  
TELEPHONE (407) 694-4432

REPORT MONTH January, 1990

See the "Unit Shutdowns and Power Reductions" sheet for details.

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