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ACCESSION NBR:9009240030 DOC.DATE: 90/08/31 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
BREEN,J.J. Florida Power & Light Co.
SAGER,D.A. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Aug 1990.W/900912 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 9
TITLE: Monthly Operating Report (per Tech Specs)

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September 12, 1990

L-90-326
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 August 1990 Operating Status and Summary of Operating Experience Reports for St. Lucie Units 1 and 2.

Very truly yours,

D. A. Sager
Vice President
St. Lucie Plant

DAS:JJB:kw

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

Attachments

DAS/PSL #255

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9009240030 900831
PDR ADDCK 05000335
R PNU

an FPL Group company

9A.
IE 24
11

1950

PA 41

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH AUGUST, 1990
DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|---------|-----|
| 8/ 1/90 | -4 |
| 8/ 2/90 | -5 |
| 8/ 3/90 | -9 |
| 8/ 4/90 | -11 |
| 8/ 5/90 | -15 |
| 8/ 6/90 | -26 |
| 8/ 7/90 | -31 |
| 8/ 8/90 | 128 |
| 8/ 9/90 | 467 |
| 8/10/90 | 830 |
| 8/11/90 | 843 |
| 8/12/90 | 846 |
| 8/13/90 | 845 |
| 8/14/90 | 847 |
| 8/15/90 | 849 |
| 8/16/90 | 849 |
| 8/17/90 | 850 |
| 8/18/90 | 850 |
| 8/19/90 | 845 |
| 8/20/90 | 845 |
| 8/21/90 | 846 |
| 8/22/90 | 847 |
| 8/23/90 | 851 |
| 8/24/90 | 852 |
| 8/25/90 | 854 |
| 8/26/90 | 855 |
| 8/27/90 | 852 |
| 8/28/90 | 852 |
| 8/29/90 | 854 |
| 8/30/90 | 854 |
| 8/31/90 | 854 |

OPERATING DATA REPORT

DOCKET NO. 50 - 335
 DATE 9/ /90
 COMPLETED BY: J. J. Breen
 TELEPHONE (407) 465-3550

OPERATING STATUS

1. Unit Name: St. Lucie Unit #1
2. Reporting period: August, 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. | 5831. | 120047.0 |
| 12. Number of hours reactor was critical _____ | 589.8 | 2665.4 | 90054.1 |
| 13. Reactor reserve shutdown hours _____ | 0.0 | 0.0 | 205.3 |
| 14. Hours generator on-line _____ | 570.7 | 2580.9 | 89217.9 |
| 15. Unit reserve shutdown hours _____ | 0.0 | 0.0 | 39.3 |
| 16. Gross thermal energy generated (MWH) _____ | 1477736 | 6568803 | 229526443 |
| 17. Gross electrical energy generated (MWH) _____ | 487740 | 2187350 | 75630420 |
| 18. Net electrical energy generated (MWH) _____ | 459998 | 2045807 | 71444672 |
| 19. Unit service factor _____ | 76.7 | 44.3 | 74.3 |
| 20. Unit availability factor _____ | 76.7 | 44.3 | 74.4 |
| 21. Capacity factor (USING MDC NET) _____ | 73.7 | 41.8 | 73.9 |
| 22. Capacity factor (USING DER NET) _____ | 74.5 | 42.3 | 72.8 |
| 23. Unit forced outage rate _____ | 23.3 | 14.1 | 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 #1

DATE _____

COMPLETED BY J. J. BREEN

TELEPHONE 407-465-3550

REPORT MONTH AUGUST 1990

| 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 | 900801 | F | 164.1 | A | 4 | N/A | CA | PUMPXX | Unit 1 remains off line to repair a leaking RCP seal. |
| 11 | 900807 | F | 9.2 | A | 1 | N/A | CJ | VALVEX | RCP heat exchanger control valve malfunction |
| 12 | 900808 | S | 0.0 | F | 1 | N/A | RB | XXXXXX | Plant held at 30% power for chemistry hold |

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 _____

COMPLETED BY J. J. Breen

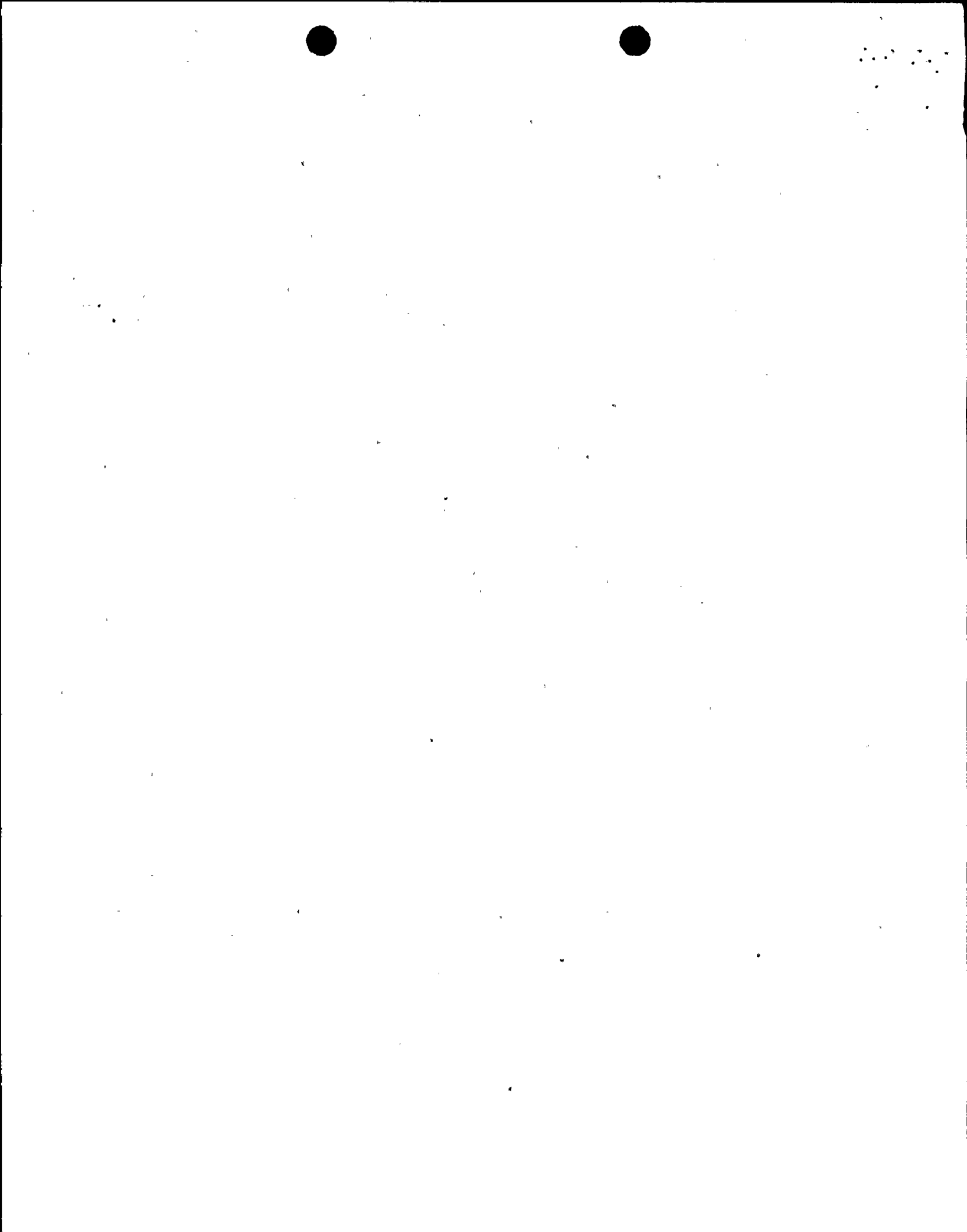
TELEPHONE (407) 465-3550

REPORT MONTH AUGUST, 1990

As of August 1, 1990, Unit 1 remained off line to repair a leaking reactor coolant pump seal. The seal repair was completed on August 7, 1990, but the unit remained off line until August 8, 1990 to repair the RCP heat exchanger control valve.

The Unit was placed on line on August 8, 1990, but due to a 30% Chemistry hold the Unit did not reach 100% power until August 10, 1990.

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 _____

COMPLETED BY J. J. Breen

TELEPHONE (407) 465-3550

MONTH AUGUST, 1990

DAY AVERAGE DAILY POWER LEVEL

(MWe-Net)

| | |
|---------|-----|
| 8/ 1/90 | 848 |
| 8/ 2/90 | 845 |
| 8/ 3/90 | 839 |
| 8/ 4/90 | 838 |
| 8/ 5/90 | 838 |
| 8/ 6/90 | 832 |
| 8/ 7/90 | 745 |
| 8/ 8/90 | 589 |
| 8/ 9/90 | 556 |
| 8/10/90 | 829 |
| 8/11/90 | 488 |
| 8/12/90 | -28 |
| 8/13/90 | -23 |
| 8/14/90 | -20 |
| 8/15/90 | -20 |
| 8/16/90 | -27 |
| 8/17/90 | -32 |
| 8/18/90 | 283 |
| 8/19/90 | 791 |
| 8/20/90 | 439 |
| 8/21/90 | -20 |
| 8/22/90 | -19 |
| 8/23/90 | -19 |
| 8/24/90 | -19 |
| 8/25/90 | -19 |
| 8/26/90 | -19 |
| 8/27/90 | -18 |
| 8/28/90 | -18 |
| 8/29/90 | -24 |
| 8/30/90 | -29 |
| 8/31/90 | -19 |

OPERATING DATA REPORT

DOCKET NO. 50 - 389
 DATE: 09/ /90
 COMPLETED BY J. J. Breen
 TELEPHONE (407) 465-3550

OPERATING STATUS

1. Unit Name: St. Lucie Unit #2
2. Reporting Period: August, 1990
3. Licensed Thermal Power (MWT): _____ 2700
4. Nameplate rating (GROSS MWE): _____ 850
5. Design Electrical Rating (NEW 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. | 5831. | 61944.0 |
| 12. Number of hours reactor was critical _____ | 372.5 | 5220.1 | 53389.0 |
| 13. Reactor reserve shutdown hours _____ | 0.0 | 0.0 | 0.0 |
| 14. Hours generator on-line _____ | 313.8 | 5122.0 | 52476.7 |
| 15. Unit reserve shutdown hours _____ | 0.0 | 0.0 | 0.0 |
| 16. Gross thermal energy generated (MWH) _____ | 764891 | 13542156 | 137339552 |
| 17. Gross electrical energy generated (MWH) _____ | 249390 | 4502430 | 45754340 |
| 18. Net electrical energy generated (MWH) _____ | 225274 | 4253842 | 43266956 |
| 19. Unit service factor _____ | 42.2 | 87.8 | 84.7 |
| 20. Unit availability factor _____ | 42.2 | 87.8 | 84.7 |
| 21. Capacity factor (USING MDC NET) _____ | 36.1 | 87.0 | 85.1 |
| 22. Capacity factor (USING DER NET) _____ | 36.5 | 87.9 | 85.0 |
| 23. Unit forced outage rate _____ | 57.8 | 37.8 | 11.4 |
| 24. Shutdowns scheduled over next 6 months: 10/01/90: 62 days, refueling _____ | | | |
| 25. If shut down at end of report period, estimated date of startup: 09/12/90 | | | |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-389
 UNIT NAME ST. LUCIE #2
 DATE _____
 COMPLETED BY J. J. BREEN
 TELEPHONE 407-465-3550

REPORT MONTH AUGUST, 1990

| 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 |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 08 | 900808 | F | 0.0 | A | 5 | N/A | HA | TURBIN | Unit 2 reduced power because of vibration in the #9 bearing. |
| 09 | 900811 | F | .75 | A | 5 | N/A | HA | TURBIN | Unit 2 down due to vibration in the #9 bearing. |
| 10 | 900811 | F | 157.97 | A | 1 | N/A | HA | TURBIN | Unit 2 down to repair PMG Exciter on the turbine. |
| 11 | 900818 | F | 0.0 | F | 1 | N/A | RC | ZZZZZZ | ASI Control |
| 12 | 900818 | S | 0.0 | B | 1 | N/A | HA | TURBIN | Unit 2 reduced power for turbine valve testing. |

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. 50-389
 UNIT NAME ST. LUCIE #2
 DATE _____
 COMPLETED BY J. J. BREEN
 TELEPHONE 407-465-3550

REPORT MONTH AUGUST, 1990

| 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 |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 13 | 900820 | F | 0.0 | A | 5 | N/A | HA | TURBIN | Unit 2 downpowered due to vibration in the #9 bearing. |
| 14 | 900820 | F | 271.53 | A | 5 | N/A | HA | TURBIN | Unit 2 down to repair vibration in #9 bearing. |

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 _____

COMPLETED BY J. J. Breen

TELEPHONE (407) 465-3550

REPORT MONTH AUGUST, 1990

On August 8, 1990, Unit 2 reduced power because of vibration in the #9 turbine bearing. The unit was back up to 100% power on August 10, 1990, but was down powered again on August 11, 1990, for the same reason.

On August 11, 1990, the unit was manually shut down to repair the PMG exciter on the turbine, the repair work lasted thru August 18, 1990. Then on August 18, 1990, power was reduced due to ASI Control and Turbine Valve Testing. On August 19, 1990, the unit resumed power operations.

Unit 2 reduced power on August 20, 1990, due again to #9 bearing vibration, then was taken off line to repair it. On August 31, 1990, the repairs on the #9 bearing were completed and power escalation began.

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.