



Florida Power & Light Company, 6351 S. Ocean Drive, Jensen Beach, FL 34957

November 15, 1999

L-99-247  
10 CFR 50.36  
10 CFR 50.4

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

Pursuant to Technical Specification 6.9.1.6 and the guidance of Generic Letter 97-02, attached are the October 1999 Operating Data Reports, Summary of Operating Experience Reports, and Unit Shutdowns and Power Reductions for St. Lucie Units 1 and 2.

Please contact us should there be any questions regarding this information.

Very truly yours,

A handwritten signature in black ink, appearing to read 'JAS'.

J. A. Stall  
Vice President  
St. Lucie Plant

JAS/spt

Attachments

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

IE24

DOCKET NO 50 - 335  
UNIT NAME ST. LUCIE UNIT 1  
DATE Nov. 4, 1999  
COMPLETED BY J. A. ROGERS  
TELEPHONE 561/467/7296

REPORTING PERIOD: OCTOBER 1999

1. Design Electrical Rating (Mwe-Net)\_\_\_\_\_ 830

2. Maximum Dependable Capacity (Mwe-Net)\_\_\_ 839

	MONTH	-YTD-	CUMULATIVE
3. Number of Hours Reactor Critical_____	336	6384.5	158354
4. Number of Hours Generator On Line_____	254.5	6288.8	156622.5
5. Unit Reserve Shutdown Hours_____	0.0	0.0	0.0
6. Net Electrical Energy (MWH)_____	181498	5274979	127195517

## SUMMARY OF OPERATING EXPERIENCE

**DOCKET NO.:** 50-335  
**UNIT:** St. Lucie #1  
**DATE:** Nov. 4, 1999  
**COMPLETED BY:** J.A.ROGERS  
**TELEPHONE:** (561) 467-7296

### **REPORT MONTH October 1999**

Unit 1 was offline in September for refueling and maintenance. On October 18 at 06:59 the breaker was closed returning Unit 1 to service and Cycle 16 began. On October 18 at 13:11 Unit 1 turbine was manually tripped due to problems with turbine speed controls. On October 19 at 18:09 the breaker closed, the unit was returned to service, and power ascension testing began. On October 21 at 19:17 the unit reached full power. On October 29 at 01:29 the reactor tripped due to a turbine trip signal to the RPS as a result of turbine low bearing oil pressure. On October 30 at 06:25 the reactor returned to criticality. On October 30 at 06:41 the reactor was manually tripped due to low steam generator level. On October 30 at 23:54 the breaker was closed and Unit 1 returned to service. Unit 1 achieved full power operation on October 31 at 07:55.

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

**DOCKET NO.:** 50-335  
**UNIT:** St. Lucie #1  
**DATE:** Nov. 4, 1999  
**COMPLETED BY:** J.A. ROGERS  
**TELEPHONE:** (561) 467-7296

REPORT MONTH October 1999

NUMBER	DATE	TYPE <sup>1</sup>	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN REACTOR <sup>3</sup>	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
6	9/18/99	S	415.0	C	4	Unit 1 offline for refueling and maintenance.
7	10/18/99	F	0.0	A	5	Unit 1 downpowered due to problems with automatic turbine control system.
8	10/18/99	F	29.0	A	1	Unit 1 offline due to problems with automatic turbine control system.
9	10/19/99	S	0.0	B	5	Unit 1 undergoing power ascension physics testing.
10	10/29/99	F	29.2	A	3	Unit 1 offline due to lube oil system problems – automatic scram.
11	10/30/99	F	17.2	G	2	Unit 1 continued offline due to operator error – manual scram.

<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)

**DOCKET NO**            50 - 389  
**UNIT NAME**            ST. LUCIE UNIT 2  
**DATE**                    Nov. 4, 1999  
**COMPLETED BY**      J. A. ROGERS  
**TELEPHONE**            561/467/7296

**REPORTING PERIOD:**      OCTOBER 1999

1. Design Electrical Rating (Mwe-Net)_____	830		
2. Maximum Dependable Capacity (Mwe-Net)___	839		
	<b>MONTH</b>	<b>-YTD-</b>	<b>CUMULATIVE</b>
3. Number of Hours Reactor Critical_____	745	7128.6	122428.3
4. Number of Hours Generator On Line_____	745	7119.7	120770.4
5. Unit Reserve Shutdown Hours_____	0.0	0.0	0.0
6. Net Electrical Energy (MWH)_____	634121	5958245	98964089

**SUMMARY OF OPERATING EXPERIENCE**

**DOCKET NO.:** 50-389  
**UNIT:** St. Lucie #2  
**DATE:** Nov. 4, 1999  
**COMPLETED BY:** J.A.ROGERS  
**TELEPHONE:** (561) 467-7296

**REPORT MONTH October 1999**

Unit 2 operated at essentially full power for the entire month of October.

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

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-389  
 UNIT: St. Lucie #2  
 DATE: Nov. 4, 1999  
 COMPLETED BY: J.A. ROGERS  
 TELEPHONE: (561) 467-7296

REPORT MONTH October 1999

Number	Date	Type 1	Duration (Hours)	Reason 2	Method of Shutting Down Reactor <sup>3</sup>	Cause & Corrective Action to Prevent Recurrence
						Unit 2 operated at essentially full power for the entire month of October.

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)