



August 29, 2004

Mr. James E. Stormer  
Palm Beach Public Health Unit  
Air Pollution Control Section  
901 Evernia Street  
West Palm Beach, Florida 33401

RECEIVED

AUG 20 2004

BUREAU OF AIR REGULATION

Dear Mr. Stormer,

**Re: Semi-Annual Monitoring Report**  
Florida Power & Light - Riviera Plant  
Title V Permit No. 0990042-003-AV

Florida Power & Light (FPL) submits this Semi-Annual Monitoring Report for the above referenced facility. Title V Permit Condition 43 of Appendices TV-4 (TV-1, 2, 3 or 4), which implements Rule 62-213.440(1)(b) 3a., states that "The permittee shall submit reports of required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports."

FPL has reviewed the above-referenced Title V permit for conditions related to monitoring and has reviewed all related monitoring information for the period of January 1, through June 30, 2004. The attachments identify any instances of Permit deviations from Permit "Monitoring Conditions" previously submitted quarterly or as required by Permit.

If you have any questions or require additional information, please contact either myself at (561) 845-3154 or Gary Moncrief at (561) 845-3103.

Sincerely,

A handwritten signature in black ink that reads "Jeff Smith".

Jeff Smith  
Production Manager  
(Responsible Official)

Attachments

cc:

Ajaya Satyal	Palm Beach County Health Dept.
Laxmana Tallam	FDEP District Office
Al Linero	FDEP Tallahassee
File	

bcc:

Rick Blomgren  
Mary Archer  
Ralph Larrubia

PRV/PRV  
JES/JB  
GPA/JB



July 6, 2004

Palm Beach County Health Department  
Air Section  
P.O. Box 29  
West Palm Beach, Florida 33402

**RE: Florida Power & Light Company  
Riviera Power Plant  
Malfunction and Excess Emissions Reports  
Title V Permit No.: 0990042-001-AV**

As required by the Title V Air Operation Permit for the units at the above facility, enclosed are the Malfunction and Excess Emissions Reports for the Second calendar quarter of 2004.

No used oil was burned at this facility during this calendar quarter.

If you have any questions, please call me at (561) 845-3154.

Sincerely,

*Rich Blomgren*  
Rick Blomgren  
For

Jeff Smith  
Production Manager  
Riviera Plant

Enclosures

cc: Department of Environmental Protection

# SUMMARY REPORT

## Excess Emission and Monitoring System Performance

Pollutant: Opacity Emission Limit: 40%, 6-minute average  
Reporting Period Dates: 04/01/2004 - 06/30/2004 Monitor Manufacturer: Phoenix  
Company: Florida Power & Light Co. Model Number: OPAC 20/20  
Address: 200-300 Broadway, Riviera Beach, Fl. 33404 Date of Latest CMS Certification or Audit: April 12, 2001  
Process Unit Description: Unit 4 Total Source Operating Time During Reporting Period: (Minutes) 86,075

### Emission Data Summary (1)

Duration of excess emissions in reporting period due to:

A. Startup/shutdown: 0  
B. Control equipment problems: 12  
C. Process problems: 0  
D. Other known problems: 0  
E. Unknown causes: 0

Total duration of excess emissions x (100) = 0.014% (2)  
(Total source operating time)

### CMS Performance Summary (1)

CMS downtime in reporting period due to:

A. Monitor equipment malfunction: 0  
B. Non-Monitor equipment malfunctions: 510  
C. Quality assurance calibration: 156  
D. Other known causes: 0  
E. Unknown causes: 0

Total CMS downtime: 666  
Total CMS downtime x (100) = 0.774% (2)  
(Total source operating time)

On a separate sheet, describe any changes since last quarter in CMS, process or controls.

I certify that the information in this report is true, accurate and complete.

Jeff Smith  
Name

Production Manager  
Title

Rick Blomgren For  
Signature RICK BLOMGREN

6-Jul-04  
Date

(1) Record all time in minutes.

(2) For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time, or the total CMS downtime is 5 percent of the total operating time, both the Summary Report and the Excess Emission Report described in Section 60.7(c) shall be submitted.

# SUMMARY REPORT

## Excess Emission and Monitoring System Performance

Pollutant: <u>Opacity</u>	Emission Limit: <u>40%, 6-minute average</u>
Reporting Period Dates: <u>04/1/2004 - 06/30/2004</u>	Monitor Manufacturer: <u>Phoenix</u>
Company: <u>Florida Power &amp; Light Co.</u>	Model Number: <u>OPAC 20/20</u>
Address: <u>200-300 Broadway, Riviera Beach, FL 33404</u>	Date of Latest CMS Certification or Audit: <u>May 10, 2001</u>
Process Unit Description: <u>Unit 3</u>	Total Source Operating Time During Reporting Period: (Minutes) <u>109,889</u>

**Emission Data Summary (1)**

Duration of excess emissions in reporting period due to:

A. Startup/shutdown:	<u>0</u>
B. Control equipment problems:	<u>0</u>
C. Process problems:	<u>0</u>
D. Other known problems:	<u>0</u>
E. Unknown causes:	<u>0</u>

Total duration of excess emissions x (100) = 0.000% (2)  
 (Total source operating time)

**CMS Performance Summary (1)**

CMS downtime in reporting period due to:

A. Monitor equipment malfunction:	<u>0</u>
B. Non-Monitor equipment malfunctions:	<u>0</u>
C. Quality assurance calibration:	<u>162</u>
D. Other know causes:	<u>90</u>
E. Unknown causes:	<u>0</u>

Total CMS downtime: 252

Total CMS downtime x (100) = 0.229% (2)  
 (Total source operating time)

On a separate sheet, describe any changes since last quarter in CMS, process or controls.

I certify that the information in this report is true, accurate and complete.

Jeff Smith  
Name

Production Manager  
Title

Rich Blomgren For  
Signature Rich Blomgren

6-Jul-04  
Date

(1) Record all time in minutes.  
 (2) For the reporting period: If the total duration of excess emissions is 1 percent or greater of the total operating time, or the total CMS downtime is 5 percent of the total operating time, both the Summary Report and the Excess Emission Report described in Section 60.7(c) shall be submitted.



**FAX**

---

**Florida Power & Light**  
200-300 Broadway  
Riviera Beach, FL 33404

**Power Generation – Riviera Power Plant**

**TO: Mr. Ajaya Satyal**

**Fax #: 561-804-9405**

**FROM: Gary D. Moncrief**  
(561) 845-3103

**Fax (561) 845-3145**

**DATE: May 30, 2004**

**SUBJECT: FPL Riviera Plant Opacity Event due to malfunction**

Mr. Satyal:

As requested during our conversation this morning, the following are the details of the opacity excursion event at the Florida Power & Light (FPL) Riviera Plant.

On the morning of May 30, 2004 at 5:17 AM the Riviera Plant experienced an equipment malfunction that resulted in (1) six-minute average period of 50% opacity. The Unit 4 east airflow transmitter began indicating erroneously high readings, which caused the control system to reduce the air being supplied to the boiler. This resulted in running with insufficient air to support proper combustion. The east airflow transmitter was immediately taken out of service and the Unit continued operation using the west airflow transmitter. The entire air flow system is being inspected for any other potential issues while repairs on the east air flow transmitter system are being executed.

If you require any more information, please do not hesitate to call me. My cell-phone number, should you need to reach me immediately, is 561-307-6674.

Thank you,

A handwritten signature in black ink that reads "Gary D. Moncrief". The signature is fluid and cursive, with the first name being the most prominent.

Gary D. Moncrief



# FAX

**Florida Power & Light**  
200-300 Broadway  
Riviera Beach, FL 33404

**Power Generation – Riviera Power Plant**

**TO: Mr. Ajaya Satyal**

**Fax #: 561-804-9405**

**FROM: Gary D. Moncrief**  
(561) 845-3103

Fax (561) 845-3145

**DATE: June 02, 2004**

**SUBJECT: FPL Riviera Plant Opacity Event due to malfunction**

Mr. Satyal:

As requested during our conversation this afternoon, details of the opacity excursion event at the Florida Power & Light (FPL) Riviera Plant are as follows:

On the morning of June 2, 2004 at 07:37 the Riviera Plant experienced an equipment malfunction that resulted in (1) six-minute average opacity excursion of 46%. The Unit 4 Boiler-Master hand/auto station failed. The hand/auto station controls the fuel / air mixture in the furnace. Its failure caused improper combustion and led to the 46% event. The hand/auto station was replaced immediately and the unit controls are back to normal.

If you require any more information, please do not hesitate to call me. My cell-phone number, should you need to reach me immediately, is 561-307-6674.

Thank you,

A handwritten signature in black ink, appearing to read "Gary D. Moncrief". The signature is fluid and cursive, with the first name being the most prominent.

Gary D. Moncrief

Gary D. Moncrief  
Florida Power & Light Co.  
200-300 Broadway  
Riviera Beach, FL 33404



**RETURN RECEIPT  
REQUESTED**

Scott Sheplak P.E.  
Florida Dept. of Env. Protection  
Bureau of Air Regulation - MS 5505  
2800 Blair Stone Road  
Tallahassee, FL 32399-2400

