

**FLORIDA POWER AND LIGHT CO.  
SANFORD UNIT No. 5C**

**ANALYZER CALIBRATION SPAN**

Test Date: 05/06/08

Run 1

ANALYZER RANGE	CALIBRATION GAS	CERTIFIED GAS VALUE	ANALYZER VALUE	DIFF PPM	% SPAN	ANALYZER SERIAL #
25	ppm NOx	0.00	0.00	0.0	0.0	951A01006309
	ppm NOx	12.50	12.50	0.0	0.0	
	ppm NOx	22.50	22.27	-0.2	-1.0	
25	% O2	0.00	0.00	0.0	0.0	01420B701856
	% O2	14.00	14.00	0.0	0.0	
	% O2	22.40	22.70	0.3	1.3	
10	% CO2	0.00	0.00	0.0	0.0	01415c/1245
	% CO2	4.56	4.50	-0.1	-0.6	
	% CO2	9.12	9.24	0.1	1.3	

**SYSTEM BIAS AND SYSTEM DRIFT DATA**

GAS UNITS	ANALYZER VALUE	PRETEST CHECK	% SPAN	POSTTEST CHECK	% SPAN	% DRIFT
ppm NOx	0.00	0.00	0.0	0.00	0.0	0.0
ppm NOx	12.50	12.51	0.0	12.55	0.2	0.2
% O2	0.00	0.00	0.0	0.00	0.0	0.0
% O2	14.00	14.00	0.0	14.10	0.4	0.4
% CO2	0.00	0.00	0.0	0.00	0.0	0.0
% CO2	4.50	4.50	0.0	4.50	0.0	0.0

**UNCORRECTED REFERENCE DATA**

Date & Time	NOx PPM	% O2	% CO2
5/6/2008 11:34	9.99	13.90	4.00
5/6/2008 11:36	10.00	13.91	3.99
5/6/2008 11:38	9.94	13.93	3.99
5/6/2008 11:40	9.96	13.91	4.00
5/6/2008 11:42	9.94	13.90	3.96
5/6/2008 11:44	9.84	13.91	3.99
5/6/2008 11:46	9.90	13.91	4.00
5/6/2008 11:48	9.96	13.92	3.99
5/6/2008 11:50	9.83	13.92	3.99
5/6/2008 11:52	9.84	13.92	3.99
5/6/2008 11:54	9.88	13.91	3.99
5/6/2008 11:56	9.78	13.91	4.00

CORRECTED RESULTS	
NOx PPM	9.89
% O2	13.88
% CO2	4.04
NOx PPM @ 15% O2	8.31
LB/MMBTU NOx	0.031

AVERAGE                      9.91      13.91      3.99

F Factor    8710

*DRAFT*

*Rec'd From JOE CULLENBACH @ 5/06/08*

**FLORIDA POWER AND LIGHT CO.  
SANFORD UNIT No. 5B**

**ANALYZER CALIBRATION SPAN**

Test Date: 05/06/08

Run 1

ANALYZER RANGE	CALIBRATION GAS	CERTIFIED GAS VALUE	ANALYZER VALUE	DIFF PPM	% SPAN	ANALYZER SERIAL #
25	ppm NOx	0.00	0.00	0.0	0.0	951A01006309
	ppm NOx	12.50	12.50	0.0	0.0	
	ppm NOx	22.50	22.55	0.1	0.2	
25	% O2	0.00	0.00	0.0	0.0	01420B701856
	% O2	14.00	14.00	0.0	0.0	
	% O2	22.40	22.50	0.1	0.4	
10	% CO2	0.00	0.00	0.0	0.0	01415c/1245
	% CO2	4.56	4.50	-0.1	-0.7	
	% CO2	9.12	9.20	0.1	0.9	

**SYSTEM BIAS AND SYSTEM DRIFT DATA**

GAS UNITS	ANALYZER VALUE	PRETEST CHECK	% SPAN	POSTTEST CHECK	% SPAN	% DRIFT
ppm NOx	0.00	0.00	0.0	0.00	0.0	0.0
ppm NOx	12.50	12.50	0.0	12.50	0.0	0.0
% O2	0.00	0.00	0.0	0.00	0.0	0.0
% O2	14.00	14.00	0.0	14.00	0.0	0.0
% CO2	0.00	0.00	0.0	0.00	0.0	0.0
% CO2	4.50	4.50	0.0	4.50	0.0	0.0

**UNCORRECTED REFERENCE DATA**

Date & Time	NOx PPM	% O2	% CO2
5/6/2008 6:00	9.19	13.68	4.12
5/6/2008 6:02	9.41	13.63	4.15
5/6/2008 6:04	9.38	13.64	4.15
5/6/2008 6:06	9.41	13.65	4.14
5/6/2008 6:08	9.38	13.66	4.14
5/6/2008 6:10	9.39	13.66	4.14
5/6/2008 6:12	9.23	13.66	4.14
5/6/2008 6:14	9.29	13.73	4.11
5/6/2008 6:16	9.41	13.78	4.08
5/6/2008 6:18	9.38	13.79	4.07
5/6/2008 6:20	9.41	13.79	4.08
5/6/2008 6:22	9.38	13.78	4.09

CORRECTED RESULTS	
NOx PPM	9.35
% O2	13.70
% CO2	4.17
NOx PPM @ 15% O2	7.67
LB/MMBTU NOx	0.028

AVERAGE                      9.35      13.70      4.12

F Factor    8710

*DRAFT*

*Rec'd From Joe Czerwinski 5/6/08*