

DRAFT

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

ANALYZER CALIBRATION ERROR

Test Date: 04/13/11

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	0600314588
	ppm NOx	12.40	12.38	0.0	-0.1	
	ppm NOx	24.20	24.45	0.3	1.0	
25	% O2	0.00	0.00	0.0	0.0	01420B701856
	% O2	13.80	13.79	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	5.05	5.02	0.0	-0.3	
	% CO2	8.99	9.15	0.2	1.7	

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	12.38	12.39	0.0	12.39	0.0	0.0
% O2	0.00	0.00	0.0	0.00	0.0	0.0
% O2	13.79	13.78	0.0	13.78	0.0	0.0
% CO2	0.00	0.00	0.0	0.00	0.0	0.0
% CO2	5.02	5.00	-0.2	5.00	-0.2	0.0

UNCORRECTED REFERENCE DATA

Date & Time	NOx PPM	% O2	% CO2
4/13/2011 8:30	10.59	13.74	4.03
4/13/2011 8:32	10.64	13.76	4.03
4/13/2011 8:34	10.69	13.76	4.03
4/13/2011 8:36	10.66	13.76	4.03
4/13/2011 8:38	10.65	13.76	4.03
4/13/2011 8:40	10.60	13.77	4.04
4/13/2011 8:42	10.68	13.78	4.04
4/13/2011 8:44	10.72	13.78	4.04
4/13/2011 8:46	10.73	13.78	4.04
4/13/2011 8:48	10.66	13.78	4.04
4/13/2011 8:50	10.62	13.78	4.04
4/13/2011 8:52	10.59	13.78	4.04

CORRECTED RESULTS	
NOx PPM	10.66
% O2	13.79
% CO2	4.07
NOx PPM @ 15% O2	8.85
LB/MMBTU NOx	0.033

AVERAGE 10.65 13.77 4.03

F Factor 8710