

Average Values Report
Generated: 7/23/2013 11:15

Company: Florida Power & Light
Plant: West County Plant
City/St: Loxahatchee, FL 33470
Source: stacklb

Period Start: 7/23/2013 09:00
Period End: 7/23/2013 10:00
Validation Type: 1/1 min
Averaging Period: 2 min
Type: Block Avg

Period Start:	Average 1B_O2 %	Average 1B_CO ppm	Average 1B_NOX ppm	Average 1BNOXMMBTU #/MBTU	Average 1B_CT_MW MW	Average 1B_MW_TOT MW
07/23/2013 09:00	12.95	0.3	2.3	0.0063	238.0	366.9
07/23/2013 09:02	12.95	0.3	2.3	0.0063	238.0	366.5
07/23/2013 09:04	12.94	0.4	2.3	0.0062	238.1	366.8
07/23/2013 09:06	12.95	0.3	2.3	0.0063	237.8	366.5
07/23/2013 09:08	12.95	0.3	2.3	0.0063	238.0	366.7
07/23/2013 09:10	12.95	0.3	2.3	0.0063	238.0	366.0
07/23/2013 09:12	12.94	0.3	2.3	0.0062	237.5	365.7
07/23/2013 09:14	12.95	0.3	2.3	0.0063	237.4	365.4
07/23/2013 09:16	12.94	0.3	2.3	0.0062	237.5	365.7
07/23/2013 09:18	12.95	0.2	2.3	0.0063	237.6	365.7
07/23/2013 09:20	12.94	0.2	2.3	0.0062	237.7	365.8
07/23/2013 09:22	12.94	0.3	2.3	0.0062	237.2	365.3
07/23/2013 09:24	12.95	0.2	2.3	0.0063	237.4	365.5
07/23/2013 09:26	12.94	0.2	2.3	0.0062	237.1	365.2
07/23/2013 09:28	12.94	0.2	2.3	0.0062	236.9	364.9
07/23/2013 09:30	12.94	0.3	2.3	0.0062	236.6	364.5
07/23/2013 09:32	12.95	0.2	2.3	0.0063	236.9	364.8
07/23/2013 09:34	12.93	0.2	2.3	0.0062	236.6	364.5
07/23/2013 09:36	12.93	0.2	2.3	0.0062	236.5	364.3
07/23/2013 09:38	12.93	0.2	2.3	0.0062	236.8	364.8
07/23/2013 09:40	12.93	0.2	2.3	0.0062	236.6	364.3
07/23/2013 09:42	12.93	0.3	2.3	0.0062	236.5	364.3
07/23/2013 09:44	12.95	0.2	2.3	0.0063	236.4	364.4
07/23/2013 09:46	12.95	0.3	2.3	0.0063	236.4	364.0
07/23/2013 09:48	12.95	0.2	2.3	0.0063	236.5	364.3
07/23/2013 09:50	12.94	0.2	2.4	0.0064	236.2	364.0
07/23/2013 09:52	12.96	0.2	2.3	0.0062	236.5	364.4
07/23/2013 09:54	12.96	0.2	2.3	0.0063	236.7	364.8
07/23/2013 09:56	12.95	0.2	2.3	0.0063	236.1	364.0
07/23/2013 09:58	12.94	0.2	2.3	0.0062	235.8	363.7
07/23/2013 10:00	12.93	0.2	2.3	0.0062	235.9	363.7
Daily Average*	12.94	0.2	2.3	0.0063	237.0	365.1
Maximum*	12.96	0.4	2.4	0.0064	238.1	366.9
	07/23/2013 9:54	07/23/2013 9:04	07/23/2013 9:50	07/23/2013 9:50	07/23/2013 9:04	07/23/2013 9:00
Minimum*	12.93	0.2	2.3	0.0062	235.8	363.7
	07/23/2013 10:00	07/23/2013 10:00	07/23/2013 10:00	07/23/2013 10:00	07/23/2013 9:58	07/23/2013 10:00

* Does not include Invalid Averaging Periods ("N/A")

DRAFT

**FLORIDA POWER AND LIGHT CO.
WEST COUNTY UNIT NO. CT-1B**

Test Date: 07/23/13

Run 1

ANALYZER CALIBRATION ERROR DATA

RANGE SETTING	GAS UNITS	CERTIFIED GAS VALUE	ANALYZER VALUE	≤ 0.5 DIFF PPM	OR ± 2% SPAN	ANALYZER SERIAL #
10	ppm NOx	0.00	0.02	0.0	0.2	0600314588
	ppm NOx	5.04	5.02	0.0	-0.2	
	ppm NOx	9.78	9.82	0.0	0.4	
25	% O2	0.00	0.00	0.0	0.0	01420B425
	% O2	13.77	13.79	0.0	0.1	
	% O2	24.30	24.70	0.4	1.6	
10	% CO2	0.00	0.00	0.0	0.0	01415C1245
	% CO2	4.95	4.98	0.0	0.4	
	% CO2	9.69	9.73	0.0	0.4	
10	ppm CO	0.00	0.00	0.0	0.0	00004484
	ppm CO	5.60	5.59	0.0	-0.1	
	ppm CO	9.79	9.75	0.0	-0.4	

SYSTEM BIAS AND CALBRATION DRIFT DATA

GAS UNITS	ANALYZER VALUE	PRETEST CHECK	OR		POSTTEST CHECK	OR		OR	
			≤ 0.5 DIFF PPM	± 5% SPAN		≤ 0.5 DIFF PPM	± 5% SPAN	≤ 0.5 DIFF PPM	≤ 3% DRIFT
ppm NOx	0.02	0.00	-0.02	-0.2	0.00	-0.02	-0.2	0.00	0.0
ppm NOx	5.02	5.06	0.04	0.4	5.06	0.04	0.4	0.00	0.0
% O2	0.00	0.02	0.02	0.1	0.02	0.02	0.1	0.00	0.0
% O2	13.79	13.81	0.02	0.1	13.80	0.01	0.0	0.01	0.0
% CO2	0.00	0.03	0.03	0.3	0.00	0.00	0.0	0.03	-0.3
% CO2	4.98	5.04	0.06	0.6	5.02	0.04	0.4	0.02	-0.2
ppm CO	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.0
ppm CO	5.59	5.59	0.00	0.0	5.58	-0.01	-0.1	0.01	-0.1

UNCORRECTED REFERENCE DATA

Date / Time	NOx PPM	% O2	% CO2	CO PPM
7/23/2013 9:04	2.35	12.98	4.54	0.55
7/23/2013 9:06	2.39	12.97	4.55	0.55
7/23/2013 9:08	2.39	12.99	4.54	0.55
7/23/2013 9:10	2.38	12.98	4.55	0.56
7/23/2013 9:12	2.36	12.98	4.56	0.54
7/23/2013 9:14	2.37	12.98	4.58	0.54
7/23/2013 9:16	2.35	12.97	4.93	0.53
7/23/2013 9:18	2.36	12.97	4.68	0.53
7/23/2013 9:20	2.36	12.97	4.57	0.55
7/23/2013 9:22	2.36	12.96	4.56	0.53
7/23/2013 9:24	2.36	12.98	4.55	0.54
7/23/2013 9:26	2.39	12.97	4.56	0.53
AVERAGE	2.37	12.97	4.59	0.54

CORRECTED RESULTS	
NOx PPM	2.37
% O2	12.94
% CO2	4.52
CO PPM	0.54
CORRECTED NOx PPM	1.75
LB/MMBTU NOx	0.006

F Factor 8710

DRAFT

FLORIDA POWER AND LIGHT CO.
WEST COUNTY UNIT NO. CT-1B

Test Date: 07/23/13

Run 2

ANALYZER CALIBRATION ERROR DATA

RANGE SETTING	GAS UNITS	CERTIFIED GAS VALUE	ANALYZER VALUE	≤ 0.5 DIFF PPM	OR	± 2% % SPAN	ANALYZER SERIAL #
10	ppm NOx	0.00	0.02	0.0		0.2	0600314588
	ppm NOx	5.04	5.02	0.0		-0.2	
	ppm NOx	9.78	9.82	0.0		0.4	
25	% O2	0.00	0.00	0.0		0.0	01420B425
	% O2	13.77	13.79	0.0		0.1	
	% O2	24.30	24.70	0.4		1.6	
10	% CO2	0.00	0.00	0.0		0.0	01415C1245
	% CO2	4.95	4.98	0.0		0.4	
	% CO2	9.69	9.73	0.0		0.4	
10	ppm CO	0.00	0.00	0.0		0.0	00004484
	ppm CO	5.60	5.59	0.0		-0.1	
	ppm CO	9.79	9.75	0.0		-0.4	

SYSTEM BIAS AND CALBRATION DRIFT DATA

GAS UNITS	ANALYZER VALUE	PRETEST CHECK	OR		POSTTEST CHECK	OR		OR	
			≤ 0.5 DIFF PPM	± 5% SPAN		≤ 0.5 DIFF PPM	± 5% SPAN	≤ 0.5 DIFF PPM	≤ 3% DRIFT
ppm NOx	0.02	0.00	-0.02	-0.2	0.00	-0.02	-0.2	0.00	0.0
ppm NOx	5.02	5.06	0.04	0.4	5.07	0.05	0.5	-0.01	0.1
% O2	0.00	0.02	0.02	0.1	0.01	0.01	0.0	0.01	0.0
% O2	13.79	13.80	0.01	0.0	13.78	-0.01	0.0	0.02	-0.1
% CO2	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.0
% CO2	4.98	5.02	0.04	0.4	5.00	0.02	0.2	0.02	-0.2
ppm CO	0.00	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.0
ppm CO	5.59	5.58	-0.01	-0.1	5.58	-0.01	-0.1	0.00	0.0

UNCORRECTED REFERENCE DATA

Date / Time	NOx PPM	% O2	% CO2	CO PPM
7/23/2013 9:36	2.38	12.97	4.61	0.52
7/23/2013 9:38	2.34	12.97	4.56	0.53
7/23/2013 9:40	2.38	12.96	4.56	0.52
7/23/2013 9:42	2.40	12.96	4.60	0.52
7/23/2013 9:44	2.33	12.96	4.77	0.51
7/23/2013 9:46	2.37	12.96	4.75	0.52
7/23/2013 9:48	2.40	12.96	4.72	0.51
7/23/2013 9:50	2.39	12.95	4.94	0.49
7/23/2013 9:52	2.33	12.95	4.68	0.50
7/23/2013 9:54	2.34	12.94	4.57	0.51
7/23/2013 9:56	2.31	12.95	4.56	0.52
7/23/2013 9:58	2.36	12.96	4.55	0.52
AVERAGE	2.36	12.96	4.65	0.51

CORRECTED RESULTS	
NOx PPM	2.35
% O2	12.94
% CO2	4.59
CO PPM	0.51
CORRECTED NOx PPM	1.74
LB/MMBTU NOx	0.006

F Factor 8710

Unit 1A, 1B, 1C

File	History	Trend	Display	Help	REAL TIME EMISSIONS.rt47	Reports	Systems	Assistance
1A_CO2COR	0.7 ppm Status: OK State: Process On Minute: 0.7 Hour: 0.7	1.6 ppm Status: OK State: Process On Minute: 1.6 Hour: 1.7	1A_O2 % Status: OK State: Process On Minute: 42.87 Hour: 42.93	1A_SCR_INDX ppm Status: OK State: Process On Minute: 17.9 Hour: 18.4	1A_H2S_FLOW #Hr Status: OK State: Process On Minute: 280.5 Hour: 292.2	1A_NOXCOR ppm Status: OK State: Process On Minute: 1.7 Hour: 1.7	1A_CO2C24 ppm Status: OK State: Process On Minute: 2.1 Hour: 2.2	
1B_CO2COR	0.4 ppm Status: OK State: Process On Minute: 0.4 Hour: 0.3	1.7 ppm Status: OK State: Process On Minute: 1.7 Hour: 1.7	1B_O2 % Status: OK State: Process On Minute: 42.92 Hour: 42.94	1B_SCR_INDX ppm Status: OK State: Process On Minute: 18.1 Hour: 18.6	1B_H2S_FLOW #Hr Status: OK State: Process On Minute: 292.1 Hour: 302.1	1B_NOXCOR ppm Status: OK State: Process On Minute: 1.7 Hour: 1.7	1B_CO2C24 ppm Status: OK State: Process On Minute: 0.3 Hour: 0.3	
1C_CO2COR	0.3 ppm Status: OK State: Process On Minute: 0.4 Hour: 0.4	1.6 ppm Status: OK State: Process On Minute: 1.7 Hour: 1.7	1C_O2 % Status: OK State: Process On Minute: 43.00 Hour: 43.01	1C_SCR_INDX ppm Status: OK State: Process On Minute: 19.3 Hour: 19.3	1C_H2S_FLOW #Hr Status: OK State: Process On Minute: 284.6 Hour: 292.0	1C_NOXC24 ppm Status: OK State: Process On Minute: 1.7 Hour: 1.7	1C_CO2C24 ppm Status: OK State: Process On Minute: 1.5 Hour: 1.6	

Time	2B_NOXLOW	2B_COLOW	2B_NOXHIGH	2B_COHIGH	2B_O2	2B_SCK_MDX	2B_CT_MW	2B_GAS_ON
10:42	2.3	1.7	2.3	0.5	13.02	19.9	241.5	1
10:43	2.2	2.0	2.2	0.7	13.04	19.9	242.1	1
10:44	2.3	1.8	2.3	0.7	13.01	19.8	241.9	1
10:45	2.4	1.6	2.4	0.7	13.02	19.8	241.5	1
10:46	2.3	1.7	2.3	0.6	13.01	19.5	241.7	1
10:47	2.3	1.6	2.4	0.6	13.01	19.8	241.1	1
10:48	2.2	1.8	2.2	0.6	13.02	19.1	240.9	1
10:49	2.0	2.1	2.0	0.7	13.03	17.6	241.5	1
10:50	1.9	2.2	1.9	0.7	13.01	17.0	241.4	1
10:51	1.9	2.3	1.9	0.7	13.03	16.6	241.6	1
10:52	1.9	2.4	2.0	0.7	13.01	16.7	241.7	1
10:53	2.1	2.1	2.1	0.7	13.02	16.9	240.9	1
10:54	1.9	2.6	2.0	0.7	13.05	16.2	240.6	1
10:55	1.9	2.9	1.9	0.7	13.06	16.1	240.8	1
10:56	2.0	2.9	2.0	0.7	13.06	16.1	240.6	1
10:57	2.1	2.7	2.1	0.7	13.06	16.3	240.6	1
10:58	2.1	2.8	2.1	0.7	13.06	16.2	240.5	1
10:59	2.2	2.6	2.2	0.7	13.06	16.8	240.6	1
11:00	2.2	2.7	2.2	0.7	13.07	16.6	240.7	1
11:01	2.2	2.9	2.2	0.7	13.08	16.5	240.9	1
11:02	2.2	2.7	2.2	0.7	13.06	16.9	241.7	1
11:03	2.3	2.4	2.3	0.7	13.04	17.0	242.1	1
11:04	2.3	2.1	2.4	0.7	13.01	17.4	243.0	1
11:05	2.5	1.8	2.5	0.6	13.00	17.8	242.3	1
11:06	2.4	1.9	2.4	0.7	13.01	17.4	242.0	1
11:07	2.3	2.0	2.3	0.7	13.02	17.4	241.4	1
11:08	2.1	2.1	2.2	0.7	13.03	17.1	241.5	1
11:09	2.3	2.1	2.2	0.7	13.01	17.2	241.5	1
11:10	2.2	2.2	2.2	0.7	13.04	16.9	241.9	1
11:11	2.3	2.2	2.3	0.7	13.02	17.2	241.8	1
11:12	2.1	2.1	2.4	0.7	13.02	17.3	241.7	1
11:13	2.1	2.0	2.1	0.7	13.02	17.3	241.4	1
11:14	2.3	2.0	2.3	0.7	13.01	17.1	241.2	1
11:15								

Time	2C_NOXLOW	2C_NOXHIGH	2C_COLOW	2C_COHIGH	2C_O2	2C_SCK_NOX	2C_CT_MW	2C_GAS_ON
10:40	2.4	2.4	2.2	0.0	12.90	15.1	243.3	1
10:41	2.3	2.4	2.3	0.2	12.92	15.0	242.9	1
10:42	2.2	2.2	2.4	0.7	12.93	14.8	243.2	1
10:43	2.3	2.1	2.4	0.3	12.92	14.8	243.6	1
10:44	2.4	2.5	2.1	0.0	12.90	15.7	243.2	1
10:45	2.3	2.4	2.4	0.1	12.91	14.9	243.2	1
10:46	2.3	2.4	2.3	0.0	12.89	15.1	243.4	1
10:47	2.5	2.5	2.1	0.0	12.88	15.4	242.7	1
10:48	2.3	2.3	2.4	0.3	12.91	14.8	242.3	1
10:49	2.2	2.2	2.5	0.7	12.93	14.6	242.9	1
10:50	2.2	2.2	2.4	0.5	12.91	14.7	243.5	1
10:51	2.3	2.4	2.2	0.0	12.89	15.0	243.5	1
10:52	2.4	2.5	2.1	0.0	12.88	15.3	242.9	1
10:53	2.4	2.4	2.1	0.2	12.90	14.9	242.8	1
10:54	2.3	2.3	2.3	0.0	12.91	14.8	242.8	1
10:55	2.3	2.3	2.4	0.5	12.93	14.7	243.1	1
10:56	2.3	2.4	2.3	0.2	12.90	14.9	243.5	1
10:57	2.5	2.6	2.0	0.0	12.88	15.4	242.7	1
10:58	2.4	2.4	2.3	0.2	12.94	14.9	242.3	1
10:59	2.1	2.1	2.7	0.7	12.94	14.4	243.3	1
11:00	2.4	2.4	2.2	0.0	12.90	15.1	243.4	1
11:01	2.4	2.4	2.3	0.0	12.93	14.9	243.5	1
11:02	2.3	2.4	2.3	0.3	12.92	15.0	243.4	1
11:03	2.3	2.4	2.4	0.3	12.93	15.0	243.5	1
11:04	2.3	2.3	2.2	0.1	12.91	15.0	243.7	1
11:05	2.3	2.4	2.3	0.0	12.92	15.1	243.8	1
11:06	2.4	2.5	2.1	0.0	12.90	15.3	243.5	1
11:07	2.4	2.5	2.1	0.0	12.90	15.4	242.5	1
11:08	2.1	2.2	2.7	0.7	12.94	14.5	243.1	1
11:09	2.2	2.2	2.3	0.2	12.91	15.0	243.4	1
11:10	2.3	2.4	2.3	0.0	12.92	15.0	243.5	1
11:11	2.3	2.4	2.2	0.0	12.92	15.1	243.5	1
11:12	2.3	2.4	2.2	0.0	12.90	15.3	243.1	1
11:13	2.4	2.4	2.2	0.0	12.90	15.2	242.6	1
11:14	2.2	2.2	2.4	0.3	12.93	14.8	242.8	1
11:15								
11:16								

3A

Time	3A_NOXLOW	3A_NOXLOW	3A_NOXHIGH	3A_COLOW	3A_COHIGH	3A_COHIGH	3A_COHIGH	3A_O2	3A_SCL_MOX	3A_CL_MW	3A_GAS_ON
	DBM	DBM	DBM	DBM	DBM	DBM	DBM	%	PPHM	MW	ON
10:44	2.1	2.1	2.0	2.3	13.14	18.4	297.7	1	1	1	1
10:45	2.3	2.3	2.2	2.5	13.08	243.7	19.4	1	1	1	1
10:46	2.5	2.5	2.4	2.2	13.05	268.3	19.8	1	1	1	1
10:47	2.3	2.3	2.3	2.2	13.08	247.9	19.2	1	1	1	1
10:48	2.1	2.1	2.1	2.2	13.09	292.7	19.0	1	1	1	1
10:49	2.2	2.2	2.1	2.2	13.07	242.7	19.4	1	1	1	1
10:50	2.3	2.3	2.2	2.2	13.07	242.5	19.2	1	1	1	1
10:51	2.3	2.3	2.2	2.2	13.05	242.3	19.5	1	1	1	1
10:52	2.2	2.2	2.2	2.2	13.07	241.9	19.1	1	1	1	1
10:53	2.2	2.2	2.1	2.2	13.06	242.3	19.2	1	1	1	1
10:54	2.1	2.1	2.3	2.2	13.04	241.8	19.5	1	1	1	1
10:55	2.2	2.2	2.1	2.3	13.08	241.8	18.7	1	1	1	1
10:56	2.2	2.2	2.1	2.3	13.07	242.8	18.8	1	1	1	1
10:57	2.3	2.3	2.2	2.1	13.06	242.5	19.1	1	1	1	1
10:58	2.2	2.2	2.1	2.2	13.07	242.3	18.6	1	1	1	1
10:59	2.3	2.3	2.2	2.2	13.06	242.6	19.0	1	1	1	1
11:00	2.4	2.4	2.4	2.1	13.06	242.1	19.1	1	1	1	1
11:01	2.2	2.2	2.2	2.2	13.09	242.3	18.6	1	1	1	1
11:02	2.2	2.2	2.1	2.2	13.09	243.2	18.8	1	1	1	1
11:03	2.4	2.4	2.4	2.1	13.06	243.1	19.4	1	1	1	1
11:04	2.4	2.4	2.4	2.2	13.06	242.4	19.5	1	1	1	1
11:05	2.2	2.2	2.2	2.2	13.10	242.2	18.9	1	1	1	1
11:06	2.2	2.2	2.2	2.2	13.09	243.1	19.0	1	1	1	1
11:07	2.3	2.3	2.3	2.2	13.07	242.1	19.4	1	1	1	1
11:08	2.4	2.4	2.3	2.2	13.06	242.7	19.5	1	1	1	1
11:09	2.3	2.3	2.2	2.2	13.06	242.1	19.3	1	1	1	1
11:10	2.1	2.1	2.0	2.2	13.09	242.3	18.7	1	1	1	1
11:11	2.2	2.2	2.1	2.2	13.07	242.7	19.1	1	1	1	1
11:12	2.3	2.3	2.2	2.2	13.07	242.4	19.1	1	1	1	1
11:13	2.3	2.3	2.2	2.2	13.08	242.4	19.0	1	1	1	1
11:14	2.2	2.2	2.1	2.2	13.07	242.8	19.1	1	1	1	1
11:15	2.3	2.3	2.2	2.2	13.06	242.3	19.2	1	1	1	1
11:16	2.2	2.2	2.2	2.2	13.07	241.8	19.0	1	1	1	1
11:17	2.2	2.2	2.1	2.1	13.10	242.3	18.5	1	1	1	1
11:18	2.3	2.3	2.2	2.3	13.05	242.9	19.1	1	1	1	1
11:19	2.5	2.5	2.4	2.2	13.05	242.0	19.2	1	1	1	1
11:20											
11:21											

