

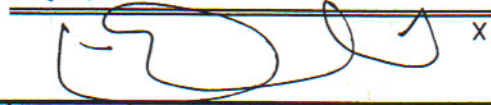
LAKE COGENERATION
 UMATILLA, FLORIDA
 Data collected on 11-02-2011
 Emissions Unit#1

TIME	#1 CGT MWATTS	#1 CGT GAS DUCT	#1 HRSG BURNER	#1 CGT mMBTU/H	#1 CGT NOX WATER	#1 CGT WATER / FUEL	#1 CGT NOX CALCULATED	#1 DB NOX CALCULATED
00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
01:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
02:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
03:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
04:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
06:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
07:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
08:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
09:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.06
12:00	12.02	2760.8	0.00	55	2024	0.733	4.11	1.06
13:00	33.11	15613.8	16.36	311	16549	1.060	1.90	1.06
14:00	45.31	20307.7	24.77	405	22030	1.085	21.27	1.06
15:00	48.10	21405.6	24.88	428	22614	1.056	30.23	1.06
16:00	47.85	21383.9	24.92	426	22533	1.054	30.63	1.06
17:00	47.90	21365.0	24.94	426	22382	1.048	30.83	1.06
18:00	47.90	21396.9	22.07	426	22439	1.049	30.77	1.06
19:00	47.90	21443.6	21.68	428	22536	1.051	30.64	1.06
20:00	47.90	21463.2	20.77	428	22595	1.053	30.23	1.06
21:00	47.90	21378.5	20.58	427	22377	1.047	30.90	1.06
22:00	47.90	21385.4	20.55	426	22375	1.046	30.99	1.06
23:00	39.28	3221.6	0.83	65	2804	0.871	8.26	1.06
DAILY AVERAGE	21.38	8880.3	9.26	177	9302	1.048	11.70	1.06
DAILY TOTAL	513.07	213126.1	222.34	4257	223259		280.74	25.52

NOX Violations 0
 Ratio Violations 0

Ratio Alarms due to Start Up 0
 Ratio Alarms due to Shut Down 0

S/U or S/D	Time Gas System Activated	Time NOX Water in	Time NOX Water Out	Time Gas System Deactivated	Time
SLV	1133	1149			11
S/D			2306		8
			2319		19

X

 07/5/11 7.5

Turbine 1 Excess Emissions Summary

LAKE COGEN

NOx ppm @15% O2 30-Day Rolling (KKKK Avg) Excess Emissions for 11/2/2011

Reason	Duration
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There are no excess emissions for this report.

Total duration of NOx ppm @15% O2 30-Day Rolling (KKKK)

0

Avg) excess emissions

Total operating time

12 hours

Operating time with excess emissions

0.0%

Turbine 1 Excess Emissions Summary

LAKE COGEN

NOx ppm @15% O2 24-Hr Block Excess Emissions for 11/2/2011

Reason	Duration
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There are no excess emissions for this report.

Total duration of NOx ppm @15% O2 24-Hr Block excess emissions

0

Total operating time

12 hours

Operating time with excess emissions

0.0%

Turbine 1 Excess Emissions Summary
 LAKE COGEN
 NOx lb/mmBtu 1-Hr Excess Emissions for 11/2/2011

Reason

Duration

There are no excess emissions for this report.

Total duration of NOx lb/mmBtu 1-Hr excess emissions

0

Total operating time

12 hours

Operating time with excess emissions

0.0%

LAKE COGEN

Umatilla, FL

Turbine 2- Daily Emissions & Operations Report

November 2, 2011

24-Hr Block Emissions Limits		30-Day Rolling (Kkkk Avg) Limits		Hourly Emission Limits	
NOx ppm @15% O2 - Gas - 25	NOx ppm @15% O2 - Oil - 42	NOx ppm @15% O2 - Gas - 42	NOx ppm @15% O2 - Oil - 96	Duct Burner NOx lb/mmBtu	- 0.1

Hour	O2%	NOx ppm	NOx ppm @15% O2	Normal Ops NOx ppm @15% O2	NOx lb/mmBtu	NOx lbs	CT Oil Flow gal	CT Gas Flow kscf	DB Gas Flow kscf	Water Injection kgal	Water To Fuel Ratio	CT Megawatts	Process Status
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	17.4	19.1	32.2	21.8	0.1184	8.79	Down	72.31	Down	0.27	0.98	8.8	Startup
10	15.1	22.4	22.8	22.8	0.0838	29.65	Down	337.10	7.33	1.79	0.97	33.2	Normal
11	13.7	28.1	23.0	23.0	0.0846	43.53	Down	467.60	33.26	2.49	0.92	48.9	Normal
12	13.8	27.8	23.1	23.1	0.0849	42.99	Down	466.70	26.53	2.50	0.94	49.0	Normal
13	13.8	27.8	23.1	23.1	0.0849	43.01	Down	466.90	26.04	2.50	0.94	49.0	Normal
14	13.7	27.9	22.9	22.9	0.0840	42.54	Down	467.60	26.06	2.51	0.94	49.1	Normal
15	13.7	27.9	22.9	22.9	0.0840	42.54	Down	467.60	26.03	2.50	0.94	49.1	Normal
16	13.7	28.0	22.9	22.9	0.0843	42.78	Down	467.60	26.06	2.48	0.93	49.1	Normal
17	13.8	27.8	23.1	23.1	0.0849	42.75	Down	467.40	23.01	2.49	0.94	49.0	Normal
18	13.8	27.8	23.1	23.1	0.0849	42.78	Down	467.70	22.91	2.49	0.94	49.1	Normal
19	13.8	27.7	23.0	23.0	0.0846	42.54	Down	467.70	22.34	2.49	0.94	49.1	Normal
20	13.8	27.7	23.0	23.0	0.0846	42.64	Down	467.80	22.68	2.49	0.94	49.1	Normal
21	13.8	27.7	23.0	23.0	0.0846	42.63	Down	467.60	23.01	2.49	0.94	49.1	Normal
22	16.6	21.2	29.1	22.9	0.1069	10.05	Down	90.37	1.12	0.31	1.57	19.8	Shutdown
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
Average Total 30-Day Ring	14.3	26.3	24.1	22.9 *	0.0885	37.1	Down	5642.0	286.4	29.80	0.99	582	
			23.6			519.3							

NSD = Analyzer Out Of Control
 Maint = System In Maintenance Mode
 Cal= Analyzer In Calibration


* - NOx ppm 24-Hr Block Avg excludes up to 2 hrs of startup/shutdown emissions
 Inval = Invalid Data

Turbine 1 Calibration Checks

LAKE COGEN

Completed Calibration Checks for 60-NOx ppm, 75-NOx ppm, 60-O2% and 75-O2%

Date/Time	Parameter	Analyzer Scale	Test Level	Reference Value	Measured Value	Actual Drift	Allowable Drift	Instrument Span	Results
11/2/2011 1:47 PM	60-NOx ppm	Low	Zero	0.00 ppm	1.45 ppm	1.45 ppm	±5 ppm	100 ppm	Unit online; Passed
11/2/2011 1:47 PM	60-NOx ppm	Low	Span	84.95 ppm	87.58 ppm	2.63 ppm	±5 ppm	100 ppm	Unit online; Passed
11/2/2011 1:47 PM	60-NOx ppm	High	Zero	0.00 ppm	-0.01 ppm	-0.01 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 1:47 PM	60-NOx ppm	High	Span	261.40 ppm	263.10 ppm	1.7 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 1:47 PM	75-NOx ppm	Low	Zero	0.00 ppm	1.45 ppm	1.45 ppm	±10 ppm	100 ppm	Unit online; Passed
11/2/2011 1:47 PM	75-NOx ppm	Low	Span	84.95 ppm	87.58 ppm	2.63 ppm	±10 ppm	100 ppm	Unit online; Passed
11/2/2011 1:47 PM	75-NOx ppm	High	Zero	0.00 ppm	-0.01 ppm	-0.01 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 1:47 PM	75-NOx ppm	High	Span	261.40 ppm	263.10 ppm	1.7 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 1:47 PM	60-O2%	Single	Zero	0.000%	0.000%	0%	±1%	25%	Unit online; Passed
11/2/2011 1:47 PM	60-O2%	Single	Span	20.950%	21.208%	0.258%	±1%	25%	Unit online; Passed
11/2/2011 1:47 PM	75-O2%	Single	Zero	0.000%	0.000%	0%	±1%	21%	Unit online; Passed
11/2/2011 1:47 PM	75-O2%	Single	Span	20.950%	21.208%	0.258%	±1%	21%	Unit online; Passed


 Shift Supervisor signature

Turbine 2 Excess Emissions Summary
LAKE COGEN
NOx lb/mmBtu 1-Hr Excess Emissions for 11/2/2011

Reason	Duration
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There are no excess emissions for this report.

Total duration of NOx lb/mmBtu 1-Hr excess emissions

0

Total operating time

14 hours

Operating time with excess emissions

0.0%

Turbine 2 Excess Emissions Summary

LAKE COGEN

NOx ppm @15% O2 30-Day Rolling (KKK Avg) Excess Emissions for 11/2/2011

Reason	Duration
--------	----------

There are no excess emissions for this report.

Total duration of NOx ppm @15% O2 30-Day Rolling (KKK)

0

Avg) excess emissions

Total operating time

14 hours

Operating time with excess emissions

0.0%

Turbine 2 Excess Emissions Summary

LAKE COGEN

NOx ppm @15% O2 24-Hr Block Excess Emissions for 11/2/2011

Reason	Duration
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There are no excess emissions for this report.

Total duration of NOx ppm @15% O2 24-Hr Block excess emissions

0

Total operating time

14 hours

Operating time with excess emissions

0.0%

LAKE COGEN

Umatilla, FL

Turbine 1- Daily Emissions & Operations Report

November 2, 2011

24-Hr Block Emissions Limits	30-Day Rolling (K/HHK Avg) Limits	Hourly Emission Limits
NOx ppm @15% O2 - Gas - 25	NOx ppm @15% O2 - Gas - 42	Duct Burner NOx lb/mmBtu - 0.1
NOx ppm @15% O2 - Oil - 42	NOx ppm @15% O2 - Oil - 96	

Hour	O2%	NOx ppm	Normal Ops			CT Oil Flow gal	CT Gas Flow kscf	DB Gas Flow kscf	Water Injection kgal	Water To Fuel Ratio	CT Megawatts	Process Status
			NOx ppm @15% O2	NOx ppm @15% O2	NOx lb/mmBtu							
00	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
01	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
02	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
03	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
04	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
05	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
06	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
07	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
08	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
09	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
10	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
11	17.5	18.9	32.8	21.9	0.1206	7.25	58.52	Down	0.22	0.98	8.5	Startup
12	15.1	22.4	22.8	22.8	0.0838	30.58	339.50	Down	1.90	0.99	32.9	Normal
13	14.2	25.4	22.4	22.4	0.0822	39.46	442.60	Down	2.54	1.01	45.2	Normal
14	13.8	27.6	22.9	22.9	0.0843	42.63	467.00	Down	2.61	0.98	47.9	Normal
15	13.8	27.7	23.0	23.0	0.0846	42.74	466.60	Down	2.60	0.98	47.8	Normal
16	13.8	27.7	23.0	23.0	0.0846	42.70	466.10	Down	2.58	0.98	47.7	Normal
17	13.8	27.6	22.9	22.9	0.0843	42.32	466.90	Down	2.59	0.98	47.8	Normal
18	13.8	27.5	22.9	22.9	0.0840	42.26	467.90	Down	2.60	0.99	47.9	Normal
19	13.9	27.4	23.1	23.1	0.0849	42.63	468.30	Down	2.61	0.99	47.9	Normal
20	13.9	27.3	23.0	23.0	0.0846	42.33	466.50	Down	2.58	0.98	47.7	Normal
21	13.9	27.3	23.0	23.0	0.0846	42.34	466.60	Down	2.58	0.98	47.7	Normal
22	16.2	24.1	30.3	23.1	0.1112	8.44	72.86	Down	0.33	1.79	22.1	Shutdown
23	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down	Down
Average Total 30-Day Ring	14.5	25.9	24.3	22.8 *	0.0895	35.5 425.7	4649.4	221.9	25.74	1.05	47.1	

OOC = Analyzer Out Of Control
 Maint = System In Maintenance Mode
 Cal = Analyzer In Calibration

NSD = Not Sufficient Data to Obtain a Valid average
 Inval = Invalid Data

* - NOx ppm 24-Hr Block Avg excludes up to 2 hrs of startup/shutdown emissions

Turbine 2 Calibration Checks

LAKE COGEN

Completed Calibration Checks for 60-NOx ppm, 75-NOx ppm, 60-O2% and 75-O2%

Date/Time	Parameter	Analyzer Scale	Test Level	Reference Value	Measured Value	Actual Drift	Allowable Drift	Instrument Span	Results
11/2/2011 12:45 PM	60-NOx ppm	Low	Zero	0.00 ppm	-0.16 ppm	-0.16 ppm	±5 ppm	100 ppm	Unit online; Passed
11/2/2011 12:45 PM	60-NOx ppm	Low	Span	84.95 ppm	85.42 ppm	0.47 ppm	±5 ppm	100 ppm	Unit online; Passed
11/2/2011 12:45 PM	60-NOx ppm	High	Zero	0.00 ppm	-2.45 ppm	-2.45 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 12:45 PM	60-NOx ppm	High	Span	261.40 ppm	256.60 ppm	-4.8 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 12:45 PM	75-NOx ppm	Low	Zero	0.00 ppm	-0.16 ppm	-0.16 ppm	±10 ppm	100 ppm	Unit online; Passed
11/2/2011 12:45 PM	75-NOx ppm	Low	Span	84.95 ppm	85.42 ppm	0.47 ppm	±10 ppm	100 ppm	Unit online; Passed
11/2/2011 12:45 PM	75-NOx ppm	High	Zero	0.00 ppm	-2.45 ppm	-2.45 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 12:45 PM	75-NOx ppm	High	Span	261.40 ppm	256.60 ppm	-4.8 ppm	±15 ppm	300 ppm	Unit online; Passed
11/2/2011 12:45 PM	60-O2%	Single	Zero	0.000%	-0.003%	-0.003%	±1%	25%	Unit online; Passed
11/2/2011 12:45 PM	60-O2%	Single	Span	20.950%	21.338%	0.388%	±1%	25%	Unit online; Passed
11/2/2011 12:45 PM	75-O2%	Single	Zero	0.000%	-0.003%	-0.003%	±1%	21%	Unit online; Passed
11/2/2011 12:45 PM	75-O2%	Single	Span	20.950%	21.338%	0.388%	±1%	21%	Unit online; Passed

Shift Supervisor signature *Marty Metz*