

# CT2 BASE LOAD

1	2	3
3/22/2005	3/22/2005	2/27/2002
14:50 TIME BEGIN:	16:04	17:18
15:52 TIME END:	17:06	18:21
27.27 DATA LOGGER NOx PPM:	27.04	27.20
14.28 DATA LOGGER O2%:	14.30	14.29
N DATA LOGGER C3H8ppmWET:	N	N
18.69 DATA LOGGER CO PPM:	19.07	19.49
25.44 NOx INITIAL BIAS:	25.83	25.66333
25.83 NOx FINAL BIAS:	25.66	25.86
25.635 NOx AVERAGE BIAS:	25.745	25.76167
13.97 O2 INITIAL BIAS:	13.91	13.94
13.91 O2 FINAL BIAS:	13.94	13.99
13.93833 O2 AVERAGE BIAS:	13.92333	13.96333
N C3H8 INITIAL BIAS:	N	N
N C3H8 FINAL BIAS:	N	N
#DIV/0! C3H8 AVERAGE BIAS:	#DIV/0!	#DIV/0!
28.16 CO INITIAL BIAS:	28.01	27.92
28.01 CO FINAL BIAS:	27.92	27.88
28.08667 CO AVERAGE BIAS:	27.96833	27.90167
0.65 NOx INITIAL ZERO:	1.21	1.063333
1.21 NOx FINAL ZERO:	1.06	1.04
0.925833 NOx AVERAGE ZERO:	1.134167	1.051667
-0.06 O2 INITIAL ZERO:	-0.08	-0.08
-0.08 O2 FINAL ZERO:	-0.08	-0.08
-0.07 O2 AVERAGE ZERO:	-0.078333	-0.078333
N C3H8 INITIAL ZERO:	N	N
N C3H8 FINAL ZERO:	N	N
#DIV/0! C3H8 AVERAGE ZERO:	#DIV/0!	#DIV/0!
0.24 CO INITIAL ZERO:	0.20	0.20
0.20 CO FINAL ZERO:	0.20	0.04
0.218333 CO AVERAGE ZERO:	0.201667	0.121667
25.4 NOx CAL. GAS VALUE:	25.4	25.4
14.12 O2 CAL. GAS VALUE:	14.12	14.12
2.83 C3H8 CAL. GAS VALUE:	2.83	2.83
28.28 CO CAL. GAS VALUE:	28.28	28.28
27.08 NOx CORRECTED AVERAGE:	26.74	26.88
14.46 O2 CORRECTED AVERAGE:	14.50	14.45
#VALUE! C3H8 CORRECTED AVERAGE:	#VALUE!	#VALUE!
18.75 CO CORRECTED AVERAGE:	19.22	19.72
0.0915 NOx LB/MMBTU(O2):	0.0908	0.0906
24.83 NOx @ 15%O2:	24.64	24.60

GASEOUS EMISSION SUMMARY

LAKE COGEN  
 CT2-&DB OUTLET  
 UMATILLA, FLORIDA  
 MARCH 23, 2005

CT & DB BASE LOAD

	1	2	3
		FUEL FACTOR(Fd):	8710
RUN NUMBER:	1	2	3
DATE:	3/23/2005	3/23/2005	3/23/2005
TIME BEGIN:	11:36	12:50	14:01
TIME END:	12:37	13:50	15:01
DATA LOGGER NOx PPM:	27.53	26.41	26.36
DATA LOGGER O2%:	13.78	13.76	13.72
DATA LOGGER C3H8ppmWET:	NA	N	NA
DATA LOGGER CO PPM:	28.97	29.36	29.56
NOx INITIAL BIAS:	25.46	26.27	25.44
NOx FINAL BIAS:	26.27	25.44	25.20
NOx AVERAGE BIAS:	25.86667	25.85667	25.32167
O2 INITIAL BIAS:	14.04	14.07	14.02
O2 FINAL BIAS:	14.07	14.02	13.97
O2 AVERAGE BIAS:	14.05333	14.045	13.995
C3H8 INITIAL BIAS:	N	N	NA
C3H8 FINAL BIAS:	N	N	NA
C3H8 AVERAGE BIAS:	#DIV/0!	#DIV/0!	#DIV/0!
CO INITIAL BIAS:	28.14	28.06	28.13
CO FINAL BIAS:	28.06	28.13	28.03
CO AVERAGE BIAS:	28.10167	28.0925	28.07583
NOx INITIAL ZERO:	-0.02	0.76	0.61
NOx FINAL ZERO:	0.76	0.61	0.69
NOx AVERAGE ZERO:	0.368333	0.683333	0.65
O2 INITIAL ZERO:	-0.09	-0.08	-0.09
O2 FINAL ZERO:	-0.08	-0.09	-0.09
O2 AVERAGE ZERO:	-0.083333	-0.083333	-0.09
C3H8 INITIAL ZERO:	NA	N	N
C3H8 FINAL ZERO:	NA	N	N
C3H8 AVERAGE ZERO:	#DIV/0!	#DIV/0!	#DIV/0!
CO INITIAL ZERO:	0.19	0.17	0.11
CO FINAL ZERO:	0.17	0.11	0.15
CO AVERAGE ZERO:	0.179167	0.1375	0.13
NOx CAL. GAS VALUE:	25.4	25.4	25.4
O2 CAL. GAS VALUE:	14.12	14.12	14.12
C3H8 CAL. GAS VALUE:	NA	N	N
CO CAL. GAS VALUE:	28.28	28.28	28.28
NOx CORRECTED AVERAGE:	27.06	25.96	26.47
O2 CORRECTED AVERAGE:	13.85	13.84	13.84
C3H8 CORRECTED AVERAGE:	#VALUE!	#VALUE!	#VALUE!
CO CORRECTED AVERAGE:	29.16	29.56	29.78
NOx LB/MMBTU(O2):	0.0834	0.0799	0.0815
NOx @ 15%O2:	22.64	21.68	22.13

CF-2 3-24-05  
30 MW

	2	3
RECTED AVERAGE:	21.28	21.34
ECTED AVERAGE:	15.47	15.46
RECTED AVERAGE:	#VALUE!	#VALUE!
ECTED AVERAGE:	#DIV/0!	#DIV/0!

3-24-05  
35 MW

	1	2	3
	23.14	23.11	23.41
	15.14	15.13	15.12
#VALUE!	#VALUE!	#VALUE!	#VALUE!
#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

NOX

MBTU(O2):	0.0852	0.0853	0.0874	0.0870	0.0880
%O2:	23.12	23.16	23.72	23.62	23.88

CT2  
 3-24-05  
 LOW LOAD RUNS

25 MW

30 MW

	1	2	3	1
NOx CORRECTED AVERAGE:	19.21	19.11	19.07	21.21 NOx CORF
O2 CORRECTED AVERAGE:	15.76	15.74	15.74	15.48 O2 CORRE
C3H8 CORRECTED AVERAGE:	#VALUE!	#VALUE!	#VALUE!	#VALUE! C3H8 COR
CO CORRECTED AVERAGE:	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! CO CORRI

NOx LB/MMBTU(O2):	0.0813	0.0805	0.0803	0.0851 NOx LB/MI
NOx @ 15%O2:	22.06	21.85	21.81	23.09 NOx @ 15%

Year	Month	GT1 Gas Fuel (KSCF)	GT2 Gas Fuel (KSCF)	GT1 Gas Fuel (MMBtu)	GT2 Gas Fuel (MMBtu)	D Burner 1 Gas Fuel (KSCF)	D Burner 2 Gas Fuel (KSCF)	D Burner 1 Gas Fuel (MMBtu)	D Burner 2 Gas Fuel (MMBtu)	Liquid Fuel 1GT (gal)	Liquid Fuel 2GT (gal)	#1 Liquid Fuel (gal/hr)	#2 Liquid Fuel (gal/hr)	#1 Liquid Fuel (hr)	#2 Liquid Fuel (hr)	Sulfur Content
2003	January	183,701.53	188,254.26	204,181.41	208,959.99	2,712.56	2,992.22	2,859.04	3,153.80	0	0	0	0	0	0	0.00
2003	February	161,671.22	160,147.00	170,401.47	168,794.94	194.68	877.16	205.19	924.53	0	0	0	0	0	0	0.00
2003	March	166,524.23	187,522.82	175,516.54	187,648.84	6.86	733.02	7.02	772.60	0	0	0	0	0	0	0.00
2003	April	146,090.88	144,751.90	153,916.55	152,568.50	8.94	7.57	9.42	7.88	0	0	0	0	0	0	0.00
2003	May	148,543.77	150,102.37	158,565.13	159,207.90	6.43	418.74	6.78	441.35	0	0	0	0	0	0	0.00
2003	June	143,916.42	143,233.66	151,687.91	150,968.28	193.32	525.05	203.76	553.40	0	0	0	0	0	0	0.00
2003	July	150,981.58	148,072.72	159,113.51	156,068.65	2,045.81	2,325.84	2,156.28	2,451.44	0	0	0	0	0	0	0.00
2003	August	140,029.72	147,480.64	147,591.32	155,423.51	1,963.94	3,414.83	2,069.99	3,599.23	0	0	0	0	0	0	0.00
2003	September	144,705.86	142,101.80	152,519.98	149,775.30	6,721.33	6,370.12	7,084.28	6,714.11	0	0	0	0	0	0	0.00
2003	October	145,839.30	147,484.46	153,714.62	155,448.62	1,872.63	1,936.42	1,973.96	2,040.99	0	0	0	0	0	0	0.00
2003	November	142,632.41	141,403.50	150,334.56	149,039.29	216.89	963.93	228.61	1,015.98	0	0	0	0	0	0	0.00
2003	December	124,949.01	138,430.36	131,896.26	145,905.60	0.00	2,110.52	0.00	2,224.49	0	0	0	0	0	0	0.00
2004	January	148,763.96	144,534.47	156,797.21	152,339.33	2.48	3.20	2.51	3.37	0	0	0	0	0	0	0.00
2004	February	141,213.28	142,085.01	148,638.80	149,757.60	6.38	6.04	6.72	6.37	0	0	0	0	0	0	0.00
2004	March	150,663.77	152,087.71	158,759.61	160,300.45	7.01	4391.27	7.39	4,628.40	0	0	0	0	0	0	0.00
2004	April	145,043.70	146,867.94	152,876.06	154,798.81	8.55	4900.54	9.01	5,165.17	0	0	0	0	0	0	0.00
2004	May	148,130.37	151,171.65	156,129.41	159,334.92	246.74	5512.36	260.06	5,910.03	0	0	0	0	0	0	0.00
2004	June	145,665.37	145,670.58	153,341.58	153,536.79	1,353.15	5,395.49	1,426.22	5,686.85	0	0	0	0	0	0	0.00
2004	July	146,697.96	126,308.07	154,408.85	133,128.71	5,476.85	6,153.25	5,772.25	6,485.52	0	0	0	0	0	0	0.00
2004	August	150,411.12	145,321.84	158,533.32	153,168.22	8,225.30	8,825.05	8,669.46	9,301.60	0	0	0	0	0	0	0.00
2004	September	143,141.94	142,404.46	150,871.60	150,094.32	2,239.06	4,750.86	2,359.96	5,007.41	0	0	0	0	0	0	0.00
2004	October	146,143.81	151,310.49	154,667.98	159,481.26	239.18	2355.71	252.10	2,482.92	0	0	0	0	0	0	0.00
2004	November	145,345.12	139,044.46	154,404.56	146,552.86	0.34	2.26	0.35	2.38	0	0	0	0	0	0	0.00
2004	December	148,916.52	145,048.27	158,958.01	152,880.88	461.10	79.39	486.00	83.68	0	0	0	0	0	0	0.00
2005	January	139,243.74	152,569.88	146,762.90	160,808.65	530.63	4,131.38	559.28	4,354.47	0	0	0	0	0	0	0.00
2005	February	134,887.08	138,131.48	141,960.18	145,590.58	400.32	677.50	421.94	714.09	0	0	0	0	0	0	0.00

Year	Month	GT1 Gas Fuel (MMBtu) - 12 Month	GT2 Gas Fuel (MMBtu) - 12 Month	D Burner 1 Gas Fuel (MMBtu) - 12 Month	D Burner 2 Gas Fuel (MMBtu) - 12 Month	Liquid Fuel 1GT - 12 Month	Liquid Fuel 2GT - 12 Month
2003	January	2,672,916.06	2,591,140.50	16,316.27	23,106.46	0.00	0.00
2003	February	2,691,063.90	2,536,164.43	16,515.82	24,043.92	0.00	0.00
2003	March	2,589,614.45	2,515,399.66	17,889.16	21,366.45	0.00	0.00
2003	April	2,558,632.69	2,440,924.29	17,695.94	20,491.39	0.00	0.00
2003	May	2,558,035.61	2,339,295.41	14,378.45	17,105.46	0.00	0.00
2003	June	2,471,291.82	2,276,932.75	12,484.16	15,486.01	0.00	0.00
2003	July	2,393,215.44	2,216,724.61	14,816.42	17,772.92	0.00	0.00
2003	August	2,295,278.63	2,154,950.61	16,686.36	21,338.24	0.00	0.00
2003	September	2,189,884.25	2,149,151.51	23,200.74	28,039.61	0.00	0.00
2003	October	2,099,162.61	2,083,940.02	25,174.71	30,068.45	0.00	0.00
2003	November	2,000,935.92	2,024,720.85	21,651.82	27,585.63	0.00	0.00
2003	December	1,907,219.25	1,948,809.42	16,804.34	23,899.90	0.00	0.00
2004	January	1,859,655.05	1,892,188.76	13,947.91	20,749.47	0.00	0.00
2004	February	1,838,292.38	1,873,151.42	13,749.45	19,831.31	0.00	0.00
2004	March	1,821,575.46	1,835,803.02	13,749.81	23,667.10	0.00	0.00
2004	April	1,820,534.97	1,838,033.33	13,749.40	28,844.28	0.00	0.00
2004	May	1,820,099.25	1,839,160.35	14,002.69	34,212.97	0.00	0.00
2004	June	1,821,732.82	1,841,728.87	15,225.15	39,346.41	0.00	0.00
2004	July	1,817,048.26	1,818,788.83	16,041.47	43,380.50	0.00	0.00
2004	August	1,827,960.26	1,816,534.63	25,440.94	49,062.67	0.00	0.00
2004	September	1,826,341.89	1,816,653.66	20,716.63	47,376.18	0.00	0.00
2004	October	1,827,295.24	1,820,886.29	18,994.76	47,618.11	0.00	0.00
2004	November	1,830,365.24	1,818,399.87	18,766.51	46,804.51	0.00	0.00
2004	December	1,855,626.96	1,825,375.14	19,252.51	44,663.69	0.00	0.00
2005	January	1,845,582.68	1,833,844.46	19,806.17	46,014.78	0.00	0.00
2005	February	1,838,714.07	1,829,677.44	20,224.39	48,722.51	0.00	0.00