

Monthly Totals	Hours	LFG	NG	
May	581	16932673	0	
June	576	17636422	0	
July	538	16739182	0	
August	590	18843958	0	
September	691	21656060	0	
October	622	19220575	0	
November	697	21881725	0	

CATALYST AIR MANAGEMENT, Inc.
REFERENCE DATA

CLIENT: Louisiana
PLANT: H. P. Kiser
UNIT: Landfill #10
TEST: 3A, 7E, 10, 25A
LOCATION: Stack

RUN #: 1
OPERATING LEVEL: Normal
START DATE: 12/06/13
END DATE: 12/06/13
START: 8:15
END: 9:15

DATE	TIME	O2	CO2	NOx	CO	VOC
12/3/2013	8:15	10.08	9.92	50.34	478.79	398.89
12/6/2013	8:16	10.14	9.95	49.07	475.6	389.62
12/6/2013	8:17	10	10	48.73	476.05	393.88
12/6/2013	8:18	10.09	10.01	50.66	479.17	408.14
12/6/2013	8:19	10.1	10	50.05	476.31	403
12/6/2013	8:20	10.05	10	49.59	476.55	397.85
12/6/2013	8:21	10.11	10.01	50.68	479.11	401.16
12/6/2013	8:22	9.95	10.03	50.44	476.97	392.94
12/6/2013	8:23	10.39	10.06	51.31	480.35	397.55
12/6/2013	8:24	10.06	10.08	50.77	479.71	398.39
12/6/2013	8:25	10.07	10.08	52.35	483.9	398.94
12/6/2013	8:26	10.04	10.05	51.57	483.21	399.16
12/6/2013	8:27	10.04	10.05	51.29	481.01	399.57
12/6/2013	8:28	10.06	10.06	50.73	475.5	409.14
12/6/2013	8:29	10.1	10.01	48.03	470.89	400.77
12/6/2013	8:30	10.04	10.03	49.75	476.49	402.71
12/6/2013	8:31	9.96	10.03	50.47	478.05	404.08
12/6/2013	8:32	10.04	10.04	50.2	479.65	398.31
12/6/2013	8:33	9.93	10.04	50.61	479.39	388.93
12/6/2013	8:34	10.05	10.04	50.82	476.94	391.66
12/6/2013	8:35	10.05	10	50.22	473.37	392.79
12/6/2013	8:36	10.07	10.04	48.16	474.9	400.61
12/6/2013	8:37	9.99	10.1	46.32	477.46	390.35
12/6/2013	8:38	9.99	10.02	51.35	482.58	389.3
12/6/2013	8:39	10.01	10.12	50.78	480.81	397.01
12/6/2013	8:40	9.96	10.1	50.31	477.28	390.31
12/6/2013	8:41	10.02	9.96	49.53	475.84	386.6
12/6/2013	8:42	10.1	9.96	50.44	470.06	386.3
12/6/2013	8:43	10.14	9.96	50.34	471.98	390.62
12/6/2013	8:44	10.26	9.96	47.85	465.66	387.39
12/6/2013	8:45	10.17	9.97	48.42	465.08	386.61
12/6/2013	8:46	10.16	9.95	49.1	466.97	395.73
12/6/2013	8:47	10.18	9.94	48.48	467.98	393.09
12/6/2013	8:48	10.21	9.95	48.43	466.43	390.96
12/6/2013	8:49	10.14	9.96	49.56	467.57	386.75
12/6/2013	8:50	10.23	9.95	50.36	471.02	389.4
12/6/2013	8:51	10.11	10	49.65	468.28	387.71
12/6/2013	8:52	10.22	9.99	50.39	471.99	378.75
12/6/2013	8:53	10.18	10.01	50.05	471.78	375.51
12/6/2013	8:54	10.15	9.99	51.0	475.82	374.77
12/6/2013	8:55	10.21	10.02	50.43	472.14	372.45
12/6/2013	8:56	10.2	10.02	49.15	469.39	380.93
12/6/2013	8:57	10.22	9.99	49.87	469.54	386.4
12/6/2013	8:58	10.17	10.01	48.85	470.31	380.23
12/6/2013	8:59	10.25	10.04	50.77	469.06	372.7
12/6/2013	9:00	10.2	10.03	51.33	470.61	367.32
12/6/2013	9:01	10.16	10.01	51.23	471.57	378.26
12/6/2013	9:02	10.25	10.01	49.49	469.64	373.88
12/6/2013	9:03	10.11	10.01	49.64	470.52	373.56
12/6/2013	9:04	10.29	9.99	49	467.29	369.98
12/6/2013	9:05	10.11	10.03	50.22	472.92	371.24
12/6/2013	9:06	10.28	10.03	51.05	474.49	374.49
12/6/2013	9:07	10.13	10.05	50.63	473.54	378.25
12/6/2013	9:08	10.12	10.04	49.78	470.13	378.73
12/6/2013	9:09	10.21	10.01	50.09	471.07	371.81
12/6/2013	9:10	10.29	10.01	51.24	474.73	371.19
12/6/2013	9:11	10.17	10.05	51.96	474.45	371.18
12/6/2013	9:12	10.15	10.03	52.28	474.21	379.17
12/6/2013	9:13	10.21	10	49.99	469.44	381.77
12/6/2013	9:14	10.12	10.03	48.52	465.86	379.22
12/6/2013	9:15	10.14	10.03	51.09	471.51	384.78

Analyzer Readings not corrected for Post-Test Calibrations

SYSTEM CALIBRATION BIAS AND DRIFT DATA

GAS UNITS	ANALYZER VALUE	PRE TEST CHECK	SPAN	Pass YES/NO	POST-TEST CHECK	% SPAN	% DRIFT	Pass YES/NO
O2 %	0.00	0.00	0.00	YES	0.00	0.00	0.00	YES
O2 %	12.03	12.08	0.23	YES	12.04	0.05	0.18	YES
CO2 %	0.00	0.00	0.00	YES	0.20	1.19	1.19	YES
CO2 %	9.94	9.96	0.10	YES	9.80	0.84	0.96	YES
NOx, ppm	0.06	0.08	0.01	YES	0.44	0.21	0.17	YES
NOx, ppm	23.0	24.9	0.05	YES	93.7	0.33	0.38	YES
CO, ppm	0.00	0.03	0.08	YES	0.72	0.08	0.00	YES
CO, ppm	445.3	447.1	0.33	YES	444.1	0.13	0.22	YES
VOC, ppm	0.00	0.00	0.00	YES	0.00	0.00	0.00	YES
VOC, ppm	505.40	505.40	0.00	YES	503.80	0.16	0.16	YES

UNCORRECTED ANALYZER VALUES

	DRY	WET
O2 %	10.1	
CO2 %	10.0	
NOx, ppm	50.1	
CO, ppm	473.8	
VOC, ppm		387.64

ANALYZER VALUES CORRECTED FOR DRIFT

	DRY @15% O2
O2 %	10.1
CO2 %	10.1
NOx, ppm	50.2
CO, ppm	479.6
VOC, ppm	387.64

EMISSION RATES

FACTOR (gal/mmBtu) = 9190
 NOx lbs/mmBtu = 0.107
 CO lbs/mmBtu = 0.620
 VOC lbs/mmBtu (C/H) = 0.789