

Pacific Custom Materials
Kiln 3 - Report for Month of October 2009
CO Emissions

Title V Permit Limit = 2,000 Parts per million

Units: Parts per million
Interval: 1-hour average

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	Avg	
1	3.65	0.16	4.86	8.83	3.31	2.38	1.02	1.02	7.15	25.02	16.50	10.00	6.71	7.03	16.46	46.20	39.23	20.71	93.39	24.76	7.04	5.97	3.57	3.36	93.39	14.93	
2	4.02	3.09	2.70	3.60	5.33	2.48	8.68	6.55	6.66	7.87	11.24	9.84	26.93	41.07	9.89	25.73	16.03	4.53	4.37	10.78	15.16	9.90	6.39	5.52	41.07	10.35	
3	5.33	6.34	5.55	3.86	3.16	4.07	1.64	7.95	26.06	42.89	186.22	168.89	106.39	23.54	8.69	6.59	7.15	4.73	1.15	1.58	4.94	5.93	9.29	1.99	186.22	26.83	
4	4.17	9.24	8.71	6.59	3.12	1.85	2.19	6.31	2.93	0.74	0.33	1.58	5.62	1.08	2.72	3.58	2.95	0.98	3.05	5.08	4.47	1.43	0.69	3.49	9.24	3.45	
5	6.78	1.93	4.22	8.94	5.19	0.74	2.02	6.68	4.47	6.44	4.42	3.36	6.08	5.15	4.19	7.46	6.40	6.65	3.22	1.82	6.87	3.13	0.02	1.85	8.94	4.50	
6	3.41	0.86	2.32	4.97	0.41	3.42	3.94	0.30	0.03	0.99	0.03	0.11	0.03	0.24	0.33	1.62	1.91	1.88	0.33	0.65	0.62	1.02	1.82	0.44	4.97	1.32	
7	0.09	0.44	0.20	0.22	0.45	0.94	0.09	0.25	1.04	0.03	0.00	0.05	0.11	0.26	0.44	1.15	0.64	0.05	0.14	0.26	0.83	0.34	0.01	0.05	1.15	0.34	
8	2.44	7.63	6.73	4.02	1.81	0.99	6.70	7.49	0.51	0.77	0.68	0.28	1.53	2.96	6.59	3.00	4.04	5.72	2.99	0.80	2.30	3.14	4.10	5.25	7.63	3.44	
9	1.65	0.31	3.70	4.95	3.63	2.73	4.68	6.31	5.13	8.96	6.17	7.48	5.10	5.43	4.10	1.52	0.15	1.37	4.65	5.98	2.57	0.52	0.44	2.04	8.96	3.73	
10	1.37	0.26	0.61	0.40	0.16	0.91	0.53	0.42	0.50	3.94	4.40	1.33	1.18	14.90	1.93	5.83	12.14	6.65	1.47	2.39	3.58	1.39	2.58	6.24	14.90	3.13	
11	1.79	0.68	3.05	10.40	7.37	7.17	7.04	1.62	0.85	2.98	3.84	3.82	3.12	8.00	7.32	1.96	5.07	3.29	4.66	3.30	0.49	1.57	2.71	4.30	10.40	4.02	
12	4.34	4.91	4.93	0.70	0.06	2.15	7.98	5.14	1.71	0.94	3.34	1.44	4.24	4.19	1.68	1.83	2.32	5.64	6.86	7.48	4.65	7.69	3.47	1.17	7.98	3.70	
13	3.73	7.70	11.22	8.70	3.33	2.71	3.31	3.71	5.13	3.67	6.85	8.64	6.63	0.93	7.27	1.21	1.91	7.46	10.26	2.41	0.72	2.21	2.22	5.62	11.22	4.90	
14	3.62	1.30	0.62	3.77	7.04	7.35	7.58	10.20	10.96	7.17	4.53	4.93	12.64	11.78	7.19	11.60	7.77	3.61	2.81	4.99	2.95	0.88	3.40	2.37	12.64	5.88	
15	2.11	0.74	0.70	2.47	1.53	3.93	13.33	5.07	2.05	1.81	5.19	7.88	6.77	6.13	1.75	2.53	8.50	8.89	4.16	3.30	2.20	4.72	3.63	5.75	13.33	4.38	
16	7.11	2.25	1.19	0.59	4.75	5.67	13.73	5.77	2.69	10.65	6.51	5.18	11.26	48.07	45.36	60.96	59.66	22.73	8.55	14.50	1.63	3.00	2.38	0.33	60.96	14.36	
17	0.85	2.50	2.41	5.59	1.82	1.71	4.38	12.52	3.26	2.92	11.35	10.76	10.44	7.23	2.46	3.31	1.42	1.20	4.55	3.65	3.37	5.36	4.45	2.84	12.52	4.60	
18	2.95	0.69	0.70	0.46	4.40	10.36	6.05	1.19	4.03	1.59	1.88	3.92	11.52	45.23	44.76	37.69	22.11	24.73	10.00	3.06	1.02	4.52	2.52	3.74	45.23	10.38	
19	2.30	9.88	6.07	0.62	4.30	11.69	3.79	0.26	1.37	1.89	4.03	4.32	1.90	2.45	4.94	3.35	3.99	6.15	1.09	0.17	1.50	0.98	0.70	3.90	11.69	3.40	
20	2.92	0.21	1.88	3.55	0.51	1.75	10.69	13.08	3.34	3.07	4.54	1.61	4.10	0.69	0.83	5.58	6.71	1.61	4.44	2.63	0.30	2.19	2.47	9.61	13.08	3.68	
21	11.65	14.26	7.99	4.05	2.37	0.18	2.62	9.34	1.86	1.01	0.93	1.86	2.20	2.76	9.23	4.52	2.72	1.55	5.93	2.02	0.05	1.72	2.72	1.08	14.26	3.94	
22	1.71	6.63	4.69	0.83	0.50	0.56	1.57	0.59	0.15	0.03	0.01	0.18	0.50	0.72	1.37	1.37	0.23	0.20	0.43	0.01	0.53	0.31	0.09	0.13	6.63	0.97	
23	0.47	0.58	1.62	1.63	0.38	0.06	0.02	0.12	0.07	0.02	0.28	0.20	0.48	0.04	0.05	0.65	0.35	0.07	0.05	0.26	0.90	0.93	0.61	0.09	1.63	0.41	
24	0.82	1.93	0.42	0.24	0.23	0.09	0.51	1.69	0.40	0.32	0.60	0.20	0.20	0.10	0.00	0.16	0.29	0.74	1.20	0.45	0.02	0.12	0.87	0.20	1.93	0.49	
25	0.00	0.02	0.16	0.38	0.44	0.06	0.00	0.24	1.15 V	0.54 V	0.00	0.82	4.15	2.65	0.51	1.11	0.24	0.10	0.26	0.76	0.19	0.01	0.24	0.95	4.15	0.62	
26	0.08	0.00	0.06	0.03	0.23	1.67	0.58	0.35	0.52	0.46	2.66	1.43	3.18	3.04	0.84 V	1.53	1.44	0.53	0.25	0.14	0.28	0.65	0.28	0.03	3.18	0.85	
27	0.84	2.29	0.72	0.05	0.00	0.91	0.46	0.12	0.22	0.34	1.42	1.14	0.19	0.02	1.23	3.56	2.23	2.51	0.12	0.42	2.09	0.87	0.25	1.00	3.56	0.96	
28	1.05	1.77 W	1.38	0.56 V	2.19	4.16 V	2.19	0.27	0.06	0.56	1.00	0.73	0.16	0.28	0.46	0.09	1.43	0.68	0.72	1.10 W	0.64	0.07	0.00 W	0.21	4.16	0.91	
29	1.02	2.01	2.80	3.49	0.48	0.37	0.84	0.48	0.20	0.66	1.56	0.76	1.06	0.20	0.32	0.93	1.73	0.08	1.19	1.42	0.02	0.00	0.00	0.08	3.49	0.90	
30	0.33	0.83	0.77	0.81	0.54	0.09	0.01	0.18	0.64	0.34	0.25	0.15	0.08	0.00	0.89	3.45	1.59	2.20	0.94	2.72	0.65	0.00	0.08	1.87	3.45	0.81	
31	2.69	1.12	0.80	1.81	1.97	1.69	2.34	0.94	0.76	1.08	2.88	1.70	2.34	1.32	0.07	0.32	0.19	0.52	2.19	6.62	3.42	0.28	0.18	0.03	6.62	1.55	
Max	11.65	14.26	11.22	10.40	7.37	11.69	13.73	13.08	26.06	42.89	186.22	168.89	106.39	48.07	45.36	60.96	59.66	24.73	93.39	24.76	15.16	9.90	9.29	9.61	186.22	4.64	
Avg	2.75	2.99	3.03	3.13	2.29	2.74	3.89	3.75	3.09	4.51	9.47	8.54	7.96	7.98	6.25	8.08	7.18	4.77	5.98	3.73	2.45	2.29	2.01	2.44			
Rds	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		

'I' - Invalid 'U' - User Data 'C' - Calibration 'D' - Process Down
'M' - Maintenance 'E' - Error 'O' - Out-of-Control 'X' - Excess Emission
'W' - Caution 'F' - Frozen FIFO

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Kiln 4 - Report for Month of October 2009
CO Emissions

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	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Max	Avg	
1	33.84	37.72	37.55	34.91	29.26	0.03	0.23	1.03	0.89	2.90	2.56	0.58	0.27	0.02	0.50	0.55	2.41	0.36	0.00	0.00	0.01	0.47	0.07	0.00	37.72	7.76	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.24	0.01	0.00	0.02	0.00	0.00	0.25	0.29	0.71	0.00	0.00	0.00	0.00	0.00	37.92	37.92	1.64	
3	32.01	27.54	32.51	34.79	31.96	38.23	38.88	39.94	39.73	36.20	35.07	27.40	29.33	36.30	42.27	43.33	28.98	29.87	28.70	25.49	35.84	35.62	25.61	27.36	43.33	33.46	
4	35.08	27.76	22.62	24.55	25.43	29.84	26.09	29.28	26.83	38.64	35.98	9.74	9.75	7.62	14.44	48.26	46.02	41.31	41.53	37.69	44.71	43.80	38.93	28.14	48.26	30.59	
5	36.16	32.32	38.06	34.51	20.55	25.07	32.85	35.07	34.68	49.56	28.46	50.88	40.51	35.21	39.62	43.90	37.29	33.49	36.77	31.80	29.69	25.16	35.02	37.64	50.88	35.18	
6	29.45	36.12	42.43	38.47	30.15	32.96	28.81	34.87	41.46	41.89	39.91	33.01	32.64	34.16	38.10	34.72	31.46	36.30	41.30	38.90	38.09	34.34	30.94	32.08	42.43	35.52	
7	39.17	36.62	35.32	32.58	25.40	27.10	26.59	29.07	30.69	33.52	24.07	24.03	24.99	24.41	24.86	28.53	27.57	40.23	29.95	36.71	47.49	43.29	44.90	41.56	47.49	32.44	
8	35.64	36.10	36.52	37.06	32.00	32.05	34.94	40.85	54.51	33.90	32.19	0.07	23.03	46.56	38.67	39.99	41.49	39.82	41.14	43.13	41.15	37.67	35.15	47.29	54.51	36.70	
9	37.29	28.77	31.33	29.02	29.05	27.69	28.50	28.63	30.84	39.66	29.08	19.61	9.26	14.45	24.33	30.64	21.22	82.53	15.83	42.94	42.31	42.37	38.54	28.32	82.53	31.34	
10	33.41	32.00	33.48	37.95	37.56	42.09	43.95	39.44	43.78	47.40	44.28	39.10	34.52	34.14	46.06	40.99	31.44	28.70	35.91	38.99	34.80	33.77	32.11	31.71	47.40	37.40	
11	33.51	32.13	33.01	32.41	30.96	29.61	35.61	33.52	38.62	46.20	33.97	35.91	31.91	37.68	41.55	46.86	46.96	48.44	38.98	42.20	43.73	41.67	38.88	40.85	48.44	38.13	
12	30.80	33.52	43.83	51.10	50.04	47.16	40.63	39.63	41.59	48.66	46.57	44.84	42.27	42.64	42.65	42.83	42.80	54.45	53.46	46.67	43.59	45.13	49.04	49.14	54.45	44.71	
13	46.47	50.72	46.50	44.28	41.28	42.20	41.27	40.01	40.86	39.22	37.70	34.77	38.65	34.80	39.85	44.11	47.65	42.56	41.51	45.44	45.98	46.48	38.01	40.99	50.72	42.14	
14	49.17	50.80	42.66	49.57	54.25	45.82	48.08	49.51	46.97	53.11	52.00	70.68	84.17	95.86	92.73	81.07	62.89	55.31	45.63	45.11	43.65	46.33	45.41	44.81	95.86	56.48	
15	48.63	48.07	41.90	45.81	44.90	35.41	29.68	32.07	45.86	46.04	44.86	43.44	44.85	38.00	37.19	33.56	33.81	41.97	53.88	39.10	52.73	45.83	43.22	40.80	53.88	42.15	
16	32.28	37.26	47.98	46.08	42.63	37.51	31.59	39.50	48.63	52.87	52.81	43.16	31.43	30.66	37.80	48.90	45.42	40.63	40.98	29.83	22.51	12.34	13.39	23.33	52.87	37.06	
17	14.68	11.37	9.70	12.93	26.57	27.23	47.91	44.78	50.96	44.65	50.97	35.86	10.52	21.79	32.41	42.78	37.12	22.81	22.71	22.30	16.06	15.92	29.09	37.60	50.97	28.70	
18	37.48	39.35	35.33	37.04	38.65	44.80	42.63	37.23	35.27	42.15	41.92	37.50	39.43	38.47	38.70	38.00	43.39	39.25	27.21	32.85	38.66	37.63	36.27	33.85	44.80	38.04	
19	32.05	35.44	42.09	42.86	42.00	52.15	53.68	50.71	56.39	52.47	42.54	34.81	38.80	48.75	49.69	46.67	49.01	52.49	49.55	43.24	36.91	30.96	28.62	37.20	56.39	43.71	
20	44.42	42.21	39.51	52.14	48.73	53.45	60.47	61.91	59.09	53.69	46.02	40.37	47.75	44.49	50.87	62.69	59.55	63.06	42.66	34.80	35.34	57.63	71.58	71.96	71.96	51.85	
21	74.67	69.23	90.55	69.12	63.35	55.30	40.72	33.34	27.43	19.14	22.57	16.88	6.45	0.09	0.02	0.21	0.33	0.02	0.00	0.01	0.00	0.00	0.00	0.05	90.55	24.56	
22	0.16	0.22	0.02	0.00	0.00	0.00	0.00	0.00	1.13	0.70	0.21	0.57	0.42	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	0.14	
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.53	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.90	0.07	
24	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.05	0.14	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.14	0.01	
25	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.25	0.14	0.00	0.00	0.00	0.01	0.04	0.80	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.06	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.38	0.03	0.02	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.03	
27	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
28	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.10	0.01	
29	0.00	0.00	0.01	0.06	0.01	0.00	0.00	0.30	0.02	0.00	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.01	0.03	0.35	0.24	0.00	0.00	0.00	0.35	0.04	
30	0.00	0.00	0.00	0.23	0.11	0.00	0.00	0.00	0.35	1.12	0.02	0.00	0.00	0.00	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	1.12	0.08	
31	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.56	0.17	0.00	0.07	0.00	0.00	0.02	0.03	0.01	0.01	4.41	1.20	0.00	0.00	0.00	0.00	0.00	4.41	0.27	
Max	74.67	69.23	90.55	69.12	63.35	55.30	60.47	61.91	59.09	53.69	52.81	70.68	84.17	95.86	92.73	81.07	62.89	82.53	53.88	46.67	52.73	57.63	71.58	71.96	95.86	23.56	
Avg	24.40	24.04	25.26	25.40	24.03	23.41	23.65	23.93	25.73	26.60	24.02	20.75	20.03	21.49	23.65	25.77	23.78	25.77	22.23	21.86	22.37	21.82	21.77	23.63			
Rds	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31		

'I' - Invalid
 'M' - Maintenance
 'W' - Caution
 'U' - User Data
 'E' - Error
 'F' - Frozen FIFO
 'C' - Calibration
 'O' - Out-of-Control
 'D' - Process Down
 'X' - Excess Emission