

**Pacific Custom Materials  
Kiln 3 - Report for Month of August 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	4.77	5.23	7.01	6.49	7.97	6.57	8.98	6.33	3.38	7.80	11.21	16.94	54.64	30.41	120.39	106.71	78.46	47.75	79.80	39.33	9.14	9.62	13.47	9.27	120.39	28.82	
2	11.73	11.36	10.05	6.76	9.07	17.69	12.73	13.71	23.33	21.10	22.73	14.23	16.28	15.63	18.12	17.97	11.30	9.65	14.58	14.03	12.02	14.52	16.26	14.26	23.33	14.55	
3	8.48	11.72	12.58	17.31	19.27	13.38	9.19	19.75	15.91	14.76	11.38	10.42	9.22	11.54	12.08	14.26	13.76	13.43	17.94	18.61	12.04	14.13	14.13	13.15	19.75	13.68	
4	13.45	14.35	14.74	14.03	17.31	13.24	11.43	13.73	9.35	13.70	16.77	10.18	11.99	14.60	16.37	23.65	19.29	15.11	11.12	12.42	9.37	11.17	17.38	12.38	23.65	14.05	
5	11.72	15.37	14.48	14.41	12.23	13.02	14.24	15.98	12.75	19.74	12.43	11.82	3.23	13.41	13.62	15.03	15.54	15.44	14.46	21.92	17.47	21.27	14.98	9.02	21.92	14.32	
6	13.22	14.64	12.81	9.22	10.23	13.49	11.84	13.30	16.18	17.66	14.98	15.73	18.58	13.03	8.18	14.90	13.02	15.42	18.92	15.00	12.59	10.27	13.15	15.00	18.92	13.81	
7	14.99	17.10	19.56	19.40	21.57	17.74	16.17	20.27	18.30	17.54	15.74	23.01	21.43	17.76	13.84	12.63	12.39	13.64	13.26	11.09	7.71	9.32	9.53	16.96	23.01	15.87	
8	16.96	9.50	9.32	13.52	10.76	9.78	6.90	12.65	16.29	13.98	17.05	18.64	18.77	23.88	24.00	16.00	15.15	16.70	18.03	12.34	10.95	7.64	9.38	21.48	24.00	14.57	
9	16.94	11.10	12.02	12.12	9.53	11.27	19.07	17.89	40.27	25.43	40.74	26.59	33.67	60.22	61.20	73.17	34.68	16.41	16.71	12.45	14.36	6.18	12.92	22.61	73.17	25.31	
10	21.13	19.85	23.35	26.77	24.09	16.51	14.65	12.25	15.19	24.95	24.79	24.76	14.77 E	14.13	15.66	32.91	54.22	62.72	26.33	17.22	12.88	12.22	17.07	20.73	62.72	23.23	
11	24.69	21.82	22.28	23.11	28.24	26.61	17.71	15.28	19.97	23.00	27.95	17.46	15.69	27.96	35.26	36.97	43.52	33.48	28.70	31.97	19.30	23.12	37.15	16.57	43.52	25.74	
12	22.94	19.22	18.89	22.97	20.12	21.74	18.53	12.62	22.88	27.23	24.81	21.51	16.53	20.81	26.41	25.10	20.80	22.68	21.26	20.41	16.09	19.72	14.92	19.50	27.23	20.74	
13	13.18	14.87	21.24	24.55	20.57	20.11	22.60	20.19	16.62	24.87	24.58	13.22	17.26	26.31	54.19	37.69	20.36	25.97	67.07	94.47	75.74	21.64	12.13	21.83	94.47	29.64	
14	22.43	23.79	20.54	19.11	31.44	26.19	27.92	25.03	21.54	19.11	20.28	14.72	14.62	13.14	34.81	25.15	22.72	22.98	30.33	51.01	34.30	46.92	37.84	26.66	51.01	26.36	
15	17.00	19.48	18.54	16.34	17.85	17.40	20.24	22.29	22.42	26.07	28.18	22.03	17.39	16.11	23.83	24.79	30.90	27.01	22.96	22.74	18.94	23.48	20.01	18.37	30.90	21.43	
16	14.64	8.89	20.32	27.18	26.08	15.59	17.48	25.49	32.18	31.41	20.41	16.75	21.83	35.91	25.93	24.07	18.83	29.12	24.88	30.33	26.00	14.72	14.67	13.23	35.91	22.33	
17	19.55	24.08	20.26	23.47	29.15	24.71	23.51	25.56	35.07	27.10	23.18	26.43	34.13	27.13	49.76	55.64	19.46	33.14	36.10	19.27	18.36	20.90	15.93	16.08	55.64	27.00	
18	17.17	15.09	13.97	20.90	34.63	41.24	35.48	30.77	29.47	25.85	26.15	24.00	15.55	18.59	18.65	14.88	16.72	13.81	12.66	13.77	19.58	19.67	19.71	14.10	41.24	21.35	
19	8.26	11.27	12.22	7.08	11.26	13.60	16.39	19.07	20.45	13.54	8.43	65.87	98.05	75.67	78.96	99.98	45.58	44.54	38.19	24.05	18.17	15.56	22.17	31.85	99.98	33.34	
20	23.02	14.13	13.23	20.51	17.86	14.61	15.92	16.15	19.34	23.27	26.07	59.13	49.90	41.73	57.81	106.37	95.78	124.12	76.91	47.04	21.07	12.04	11.28	17.88	124.12	38.55	
21	12.14	22.15	17.72	16.00	19.24	10.58	13.20	18.54	38.25	52.68	53.90	46.83	30.25	23.61	27.21	6.01	3.48	10.92	12.66	37.74	189.46	65.16	20.85	16.66	189.46	31.89	
22	21.45	23.16	33.44	18.02	14.78	17.48	13.89	18.08	14.52	21.22	20.95	35.92	57.11	106.26	103.28	116.22	120.60	105.90	88.83	89.89	70.50	33.33	14.50	12.33	120.60	48.82	
23	16.95	15.80	13.61	18.96	19.35	17.57	13.96	17.76	43.49	34.02	52.32	69.08	57.30	59.17	26.26	19.90	13.72	20.84	28.87	21.42	20.10	16.32	13.72	12.42	69.08	26.79	
24	8.80	12.31	14.60	16.27	11.73	13.23	20.20	14.34	15.01	21.06	13.66	8.81	13.71	19.64	15.18	14.61	16.00	16.71	12.35	11.69	17.37	18.55	20.12	13.03	21.06	14.96	
25	4.30	12.98	14.06	13.61	15.12	11.72	18.39	18.03	15.54	35.00	64.29	412.07	60.82	89.93	73.77	68.12	111.66	186.36	158.57	111.92	35.90	26.29	18.43	9.64	412.07	66.10	
26	12.33	15.04	8.82	10.92	17.70	20.09	16.96	21.13	42.97	146.90	197.04	190.52	130.87	160.83	383.44	360.17	335.06	305.69	357.59	200.77	70.52	41.59	35.10	31.34	383.44	129.72	
27	26.62	18.76	23.72	15.63	13.15	17.16	16.03	13.62	16.17	15.02	26.08	26.33	43.31	65.22	44.30	17.41	20.09	28.60	77.82	296.23	324.68	85.82	18.10	19.39	324.68	52.89	
28	26.98	43.98	54.40	44.44	39.88	21.98	25.79	27.15	41.22	58.13	71.15	30.52	5.65	82.30	214.12	189.60	219.87	133.95	2.40	9.33	12.20	19.50	16.12	11.45	219.87	58.42	
29	4.60	3.42	15.47	14.47	11.06	8.72	5.54	1.90	4.83	11.18	3.08	4.32	18.22	67.88	117.65	146.54	23.95	1.50	3.98	17.11	5.75	2.64	1.00	2.61	146.54	20.72	
30	3.36	3.84	4.88	0.62	0.13	3.29	3.25	1.95	0.30	3.93	6.59	6.24	14.20	95.47	80.85	94.46	74.74	61.57	78.25	38.77	11.11	8.63	2.85	0.58	95.47	24.99	
31	4.15	5.23	8.39	7.21	3.19	4.02	0.81	5.70	20.25	13.89	10.48	13.13	13.13	12.45	13.24	23.45	25.63	24.56	16.20	6.92	4.41	4.19	0.58	0.72	25.63	10.08	
																										412.07	30.00
Max	26.98	43.98	54.40	44.44	39.88	41.24	35.48	30.77	43.49	146.90	197.04	412.07	130.87	160.83	383.44	360.17	335.06	305.69	357.59	296.23	324.68	85.82	37.84	31.85			
Avg	14.77	15.47	16.98	16.82	17.57	16.14	15.77	16.66	21.40	26.81	30.24	41.85	31.11	41.96	58.33	59.17	50.56	48.38	46.05	44.23	37.03	21.17	16.31	15.52			

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'M' - Maintenance  
'W' - Caution

'U' - User Data  
'E' - Error  
'F' - Frozen FIFO

'C' - Calibration  
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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	34.61	32.11	36.13	32.80	32.47	35.41	49.25	43.07	49.69	47.11	40.78	36.21	23.28	36.67	31.36	27.27	34.00	42.29	49.05	54.66	37.53	38.63	38.05	38.77	54.66	38.38
2	42.38	42.05	37.96	50.26	52.31	48.89	42.84	47.10	49.29	54.62	37.96	33.48	32.31	24.41	30.02	20.51	35.73	26.25	33.38	35.20	39.57	41.40	37.81	45.20	54.62	39.21
3	49.24	50.85	48.16	50.91	45.97	38.59	38.45	49.45	54.83	63.36	50.26	34.12	30.99	32.77	29.90	35.23	34.46	36.54	37.58	38.25	35.41	40.55	36.26	33.92	63.36	41.50
4	36.90	42.15	42.01	37.09	39.79	36.92	37.15	39.08	48.14	59.99	33.97	33.29	36.85	39.20	42.52	43.49	47.31	45.30	34.97	27.75	38.95	42.47	39.90	37.37	59.99	40.11
5	35.02	37.54	38.98	36.97	39.57	35.82	34.60	39.25	47.87	41.29	18.80	26.06	36.38	42.97	40.96	34.59	35.34	32.70	30.44	30.67	27.13	37.12	34.70	37.25	47.87	35.50
6	34.86	31.97	38.97	40.87	34.20	36.90	33.16	37.25	33.88	33.04	34.33	35.71	44.38	47.90	47.43	48.63	43.84	39.99	39.96	40.27	41.73	40.01	35.35	39.08	48.63	38.90
7	36.05	44.95	60.14	60.89	58.20	58.19	58.26	59.78	68.34	61.46	70.53	66.62	61.21	65.64	64.77	54.15	40.83	38.26	33.93	31.02	31.99	33.65	32.14	34.83	70.53	51.08
8	30.37	27.02	32.51	37.74	91.47	96.51	47.02	44.40	40.21	43.65	45.36	48.70	40.02	34.01	36.07	35.92	21.67	23.75	26.32	29.73	31.75	25.22	30.89	32.93	96.51	39.72
9	37.48	36.59	23.19	28.72	29.78	32.58	28.75	32.25	35.34	37.17	25.31	18.21	26.42	28.13	28.62	34.76	23.83	8.31	15.14	15.47	21.96	30.45	32.61	31.79	37.48	27.62
10	35.30	36.58	41.88	47.83	49.77	40.11	39.40	50.04	56.22	68.06	48.69	16.10	9.47 E	67.68	42.68	66.94	41.73	44.93	42.81	38.80	38.17	37.10	40.84	39.82	68.06	44.85
11	34.39	27.80	35.68	44.20	42.68	42.35	43.61	41.05	45.37	54.38	42.15	29.05	28.66	31.73	37.79	36.20	42.06	26.28	24.15	17.52	18.93	26.30	32.60	26.09	54.38	34.63
12	33.34	44.70	50.04	48.41	35.28	33.16	36.50	43.97	36.35	32.73	30.00	31.80	42.15	31.20	33.57	38.32	36.56	33.41	39.39	36.05	59.67	40.84	36.13	32.45	59.67	38.17
13	36.45	32.42	28.59	32.51	27.57	28.86	21.76	25.59	26.39	27.33	29.99	29.49	42.68	22.66	18.47	24.75	23.08	19.58	29.46	25.81	27.42	24.49	37.82	37.63	42.68	28.37
14	43.15	0.01	0.05	0.00	0.23	0.93	0.01	0.21	0.85	0.04	0.11	0.22	0.19	0.06	0.09	9.39	0.00	0.00	40.23	53.96	47.64	47.17	45.53	53.96	12.09	
15	41.26	48.32	49.63	42.31	44.32	43.85	49.28	45.21	51.37	66.65	63.56	50.87	41.45	39.90	37.81	41.25	44.72	35.90	36.88	36.36	36.34	48.34	42.30	35.17	66.65	44.71
16	29.06	35.31	37.83	32.50	42.91	48.53	43.77	45.87	44.44	44.58	56.37	42.27	41.44	40.52	41.95	33.27	36.30	37.43	45.20	35.71	21.24	22.94	20.40	30.68	56.37	37.94
17	55.30	56.45	56.35	45.47	46.64	46.06	59.89	72.67	67.91	71.01	78.05	70.14	59.59	39.43	43.34	41.70	43.34	26.92	22.27	42.64	39.33	42.76	42.63	42.23	78.05	50.50
18	45.69	59.93	118.65	89.37	86.69	78.41	74.63	69.88	60.21	47.28	42.05	57.00	37.78	19.41	19.90	15.74	6.13	4.22	11.51	9.54	15.49	11.54	16.71	14.24	118.65	42.17
19	14.41	13.87	4.16	7.49	6.76	1.92	2.16	8.38	19.24	26.70	12.79	7.16	10.67	6.65	8.06	39.70	17.36	6.10	6.42	3.75	15.71	14.12	21.52	20.70	39.70	12.33
20	15.35	18.52	16.96	22.09	15.66	10.28	21.68	29.59	30.30	57.22	37.41	12.66	14.58	23.00	23.70	26.44	25.12	26.63	21.89	18.66	18.52	14.44	11.62	25.08	57.22	22.39
21	25.35	20.63	21.80	30.45	29.44	29.53	27.33	37.28	40.69	56.63	44.77	32.65	20.19	20.29	9.20	18.90	24.40	32.88	27.79	27.09	29.13	25.87	27.07	22.76	56.63	28.42
22	24.39	30.85	29.15	24.34	26.09	28.81	29.47	22.81	20.58	31.96	34.54	24.99	26.78	30.28	22.69	26.74	24.45	20.49	26.06	25.54	23.60	27.02	16.29	21.18	34.54	25.80
23	27.55	26.41	23.55	31.82	31.99	37.44	34.37	27.51	39.11	28.43	22.52	16.49	18.04	21.51	15.53	16.91	17.55	18.45	21.24	19.29	19.66	17.07	16.59	20.69	39.11	23.74
24	27.69	25.45	20.78	22.78	22.51	25.42	25.70	22.91	28.17	26.25	19.47	17.10	25.58	21.94	24.21	25.90	33.87	41.64	28.84	25.85	12.00	16.08	25.16	24.49	41.64	24.57
25	26.64	27.18	20.26	20.67	23.44	25.44	22.64	23.30	33.96	37.34	31.36	23.61	26.30	14.10	21.18	32.30	29.79	30.00	20.62	19.40	28.70	24.21	23.88	24.81	37.34	25.46
26	23.80	23.68	22.43	23.68	19.82	21.52	25.28	23.39	33.98	40.32	32.03	18.75	17.43	14.14	19.86	26.87	30.79	10.44	12.96	0.21	5.51	18.87	19.57	18.23	40.32	20.98
27	17.42	20.07	21.48	22.70	22.06	20.75	12.96	20.69	27.34	29.00	33.14	17.68	10.01	12.52	17.27	15.20	16.26	16.43	4.42	12.92	74.53	38.30	32.68	34.39	74.53	22.93
28	38.82	33.41	33.78	27.84	32.44	33.25	32.20	32.09	33.95	46.31	48.78	18.37	22.17	16.34	16.85	24.10	31.18	23.48	0.86	11.38	11.76	15.03	15.33	15.14	48.78	25.62
29	16.47	19.13	26.25	26.02	30.52	27.40	14.32	23.88	16.84	31.42	19.93	3.61	11.19	7.23	12.70	15.69	11.41	2.85	0.67	0.09	7.72	13.63	14.44	16.55	31.42	15.41
30	16.78	13.46	10.55	8.82	18.38	20.36	19.86	18.66	25.65	29.13	32.53	17.74	2.85	4.88	24.82	12.04	14.74	19.38	14.54	11.09	11.64	22.37	27.84	14.86	32.53	17.21
31	22.71	27.65	33.63	28.66	39.23	47.99	44.45	58.26	71.27	83.47	62.49	53.50	55.21	49.94	55.36	62.49	53.40	59.38	54.54	26.36	34.37	33.57	22.84	35.70	83.47	46.52
Max	55.30	59.93	118.65	89.37	91.47	96.51	74.63	72.67	71.27	83.47	78.05	70.14	61.21	67.68	64.77	66.94	53.40	59.38	54.54	54.66	74.53	48.34	47.17	45.53	118.65	32.16
Avg	31.88	31.84	34.24	34.07	36.07	35.88	33.89	36.61	39.93	44.45	38.07	29.79	29.56	28.62	28.99	31.79	29.72	26.78	25.59	25.40	29.34	29.42	29.33	29.99		

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