

**Pacific Custom Materials
Kiln 3 - Report for Month of July 2008
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	90.5	102.4	91.0	83.7	100.2	91.7	67.4	77.1	54.0	86.5	106.9	143.3	97.2	106.3	110.0	101.6	97.3	83.5	83.3	58.7	68.6	66.7	88.0	85.8	143.3	89.2	
2	88.1	67.9	71.6	111.3	110.9	102.0	102.2	95.6	94.7	104.7	100.6	129.6	120.7	129.5	207.8	143.8	202.7	218.1	150.2	69.6	90.1	118.1	288.4	221.7	288.4	130.8	
3	237.1	353.3	162.4	133.3	559.6	292.5	176.7	749.7	660.7	295.4	301.2	126.1	258.5	298.6	340.2	672.2	704.0	1199.3	1294.9	1418.2	391.4	197.9	548.0	213.6	1418.2	482.7	
4	136.7	272.0	571.4	592.9	362.3	170.1	158.0	282.0	750.3	732.5	922.8	1575.0	1494.1	3822.4 C	1783.4	1862.3	1798.3	545.1	378.4	80.0	62.4	68.1	229.6	137.6	1862.3	650.7	
5	351.1	323.0	285.2	158.4	192.4	153.2	140.4	283.3	132.9	121.9	95.5	149.4	153.6	183.1	204.2	264.2	285.0	230.7	165.8	160.0	249.2	484.3	460.9	504.7	504.7	238.8	
6	553.8	287.3	257.7	166.8	204.3	76.5	62.8	76.5	98.6	85.4	54.1	98.4	170.5	103.4	131.5	300.4	546.9	346.4	607.4	737.4	732.7	397.3	289.3	187.6	737.4	273.9	
7	152.6	368.1	728.6	759.8	707.2	448.5	337.2	313.0	310.6	361.9	109.9	88.8	370.9	539.8	275.8	40.5	44.8	43.2	51.0	41.5	60.0	975.8	848.7	1209.5	1209.5	382.8	
8	1326.1	975.4	1125.3	383.2	159.4	278.9	213.7	199.2	504.8	112.8	84.7	90.8	178.3	632.8	352.0	258.3	753.1	563.1	634.8	490.4	133.7	332.4	431.6	457.5	1326.1	444.7	
9	607.0	407.7	415.4	374.6	327.5	272.5	167.4	130.0	112.1	56.1	50.9	68.6	97.3	140.7	345.3	572.5	754.3	839.7	78.7	330.8	203.5	204.7	183.4	326.7	839.7	294.5	
10	181.2	102.0	91.5	115.2	169.0	359.6	435.1	650.1	270.7	471.4	519.7	488.0	813.6	925.9	758.2	638.4	1250.3	297.2	94.9	107.0	106.9	66.8	79.3	226.3	1250.3	384.1	
11	260.6	358.1	530.5	666.1	325.9	261.1	430.1	530.4	798.2	1409.9	859.5	568.5	494.3	593.4	778.6	1295.2	1263.4	306.9	327.3	294.4	128.5	79.1	119.0	130.8	1409.9	533.7	
12	152.3	118.1	102.6	163.4	115.5	104.8	69.3	91.4	91.5	101.3	130.8	231.7	477.8	293.9	352.8	562.9	623.3	618.6	458.4	400.1	340.9	155.1	77.3	99.2	623.3	247.2	
13	101.5	83.0	111.5	115.9	193.1	99.8	92.9	80.3	216.1	158.2	142.2	150.1	159.7	330.8	736.3	252.2	91.5	183.7	508.4	270.0	141.7	81.9	90.1	151.2	736.3	189.2	
14	240.9	233.3	233.3	189.1	220.6	128.9	113.3	152.8	232.9	595.4	371.6	330.2	817.2	1490.2	1468.6	552.1	182.6	390.4	895.6	575.6	300.1	295.9	219.7	212.1	1490.2	435.1	
15	291.4	216.0	170.0	290.8	280.7	118.7	80.9	72.1	97.9	448.7	314.5	199.7	216.0	153.4	254.8	298.5	246.6	243.6	254.8	221.9	411.6	343.4	164.7	192.7	448.7	232.6	
16	164.6	210.7	177.6	180.7	167.4	268.8	313.2	311.6	534.8	711.7	374.0	581.4	834.4	1106.6	1380.2	1131.8	1286.7	906.7	117.7	97.1	181.8	113.3	132.1	115.6	1380.2	475.0	
17	121.1	108.4	225.4	318.0	460.2	851.0	750.8	921.2	340.3	149.5	297.7	307.5	388.2	589.7	396.1	564.5	493.7	285.4	490.3	378.3	751.2	1001.8	608.6	476.6	1001.8	469.8	
18	398.9	385.1	580.1	628.7	498.9	617.8	513.4	315.7	395.7	648.9	121.3	113.6	236.8	710.6	898.7	639.8	786.2	1236.5	374.2	334.9	456.1	114.3	110.8	1113.8	1236.5	509.6	
19	958.2	162.8	110.8	233.2	359.7	357.5	524.8	655.2	1073.2	916.2	376.6	177.6	670.6	876.4	958.0	622.7	363.8	986.5	1004.0	904.9	359.6	389.9	719.4	745.7	1073.2	604.5	
20	446.1	831.9	1203.2	1568.2	1332.1	1228.8	1073.7	969.1	912.3	1128.8	274.7	122.3	166.8	197.6	226.3	323.4	255.9	426.9	897.5	1068.7	679.4	959.2	391.6	566.6	1568.2	718.8	
21	429.6	388.4	237.4	114.8	220.5	349.9	297.8	593.9	933.6	920.0	148.2	432.9	313.6	647.7	514.2	413.1	495.1	975.9	1263.9	1031.5	907.5	284.1	497.5	349.4	1263.9	531.7	
22	783.3	1118.5	758.4	516.0	587.3	600.3	331.9	305.4	299.7	168.7	195.0	78.7	101.0	90.6	115.7	246.2	337.8	166.2	104.4	76.4	95.3	78.6	76.4	58.0	1118.5	303.7	
23	44.3	73.7	76.4	65.8	79.6	81.1	80.8	98.4	361.6	412.0	151.7	148.3	214.8	271.0	350.7	132.4	156.7	74.3	88.9	173.8	127.5	134.6	94.7	166.6	412.0	152.5	
24	421.3	406.4	820.6	747.8	482.0	133.5	185.5	531.1	1029.6	554.7	449.7	262.9	171.1	350.8	1209.1	1232.5	1048.5	370.7	163.1	213.9	211.6	80.4	102.3	177.3	1232.5	473.2	
25	455.3	639.3	396.6	587.7	787.1	501.7	161.8	137.1	150.3	702.8	239.9	275.1	391.9	709.4	595.6	1227.3	912.2	895.5	734.9	206.7	104.6	91.2	49.8	63.0	1227.3	459.0	
26	68.1	62.7	55.6	32.9	46.2	84.5	114.1	100.7	118.3	244.8	219.6	471.1	595.5	383.5	480.5	108.4	130.8	93.6	182.6	94.2	63.9	51.9	48.1	97.4	595.5	164.5	
27	83.3	84.0	75.6	47.5	70.4	72.7	65.9	59.3	61.6	327.5	201.4	170.1	323.5	621.1	175.8	56.8	89.8	119.6	91.6	72.4	62.4	86.6	71.7	80.5	621.1	132.1	
28	73.8	47.0	53.8	54.0	46.3	79.4	90.2	72.2	74.3	90.0	110.5	95.2	92.0	195.8	131.7	179.7	86.6	176.5	353.3	240.5	41.4	50.5	72.7	64.6	353.3	107.2	
29	70.1	77.4	61.2	68.9	60.5	100.6	145.9	96.6	112.1	112.9	71.4	99.5	209.8	179.6	571.7	342.1	80.1	57.9	62.2	45.3	67.9	52.7	42.5	55.7	571.7	118.5	
30	72.9	64.8	61.9	75.6	82.1	69.2	67.9	88.8	80.0	56.9	64.1	176.3	640.6	1267.1	1316.1	539.9	164.2	136.8	113.5	94.4	139.8	353.8	481.3	539.2	1316.1	281.1	
31	222.4	254.7	161.7	130.3	209.5	240.8	139.9	83.6	106.5	127.2	209.6	183.4	206.0	583.0	1397.6	1067.6	100.5	69.1	121.1	242.9	769.0	307.7	379.5	1138.2	1397.6	352.2	
Max	1326.1	1118.5	1203.2	1568.2	1332.1	1228.8	1073.7	969.1	1073.2	1409.9	922.8	1575.0	1494.1	1490.2	1783.4	1862.3	1798.3	1236.5	1294.9	1418.2	907.5	1001.8	848.7	1209.5	1862.3	350.4	
Avg	309.2	296.2	322.7	312.1	307.0	277.3	242.1	294.3	355.2	400.5	247.4	262.4	370.2	490.1	607.0	536.9	504.3	422.2	391.8	339.7	272.3	258.6	258.0	327.9			
Rds	31	31	31	31	31	31	31	31	31	31	31	31	31	30	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

Pacific Custom Materials
Kiln 4 - Report for Month of July 2008
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	14.8	8.5	5.3	7.6	6.4	14.7	16.6	17.5	25.3	36.5	48.1 V	36.1 V	20.5 V	18.0 V	10.2 V	7.4 V	19.6 V	24.2 V	23.1 V	23.1 V	12.6	8.3	13.7	21.8	48.1	18.3
2	13.9	15.6	19.7	16.0	16.7	21.5	17.8	16.3	44.3	32.0	31.2	35.4	28.4 V	25.9 V	24.1 V	31.5 V	25.8 V	22.8 V	30.9 V	18.6 V	4.2	4.8	0.4 C	19.7	44.3	22.5
3	17.4 C	15.9 V	16.5	12.3	16.8	23.7	24.0	27.2	36.6	25.7	23.0 V	26.1 V	31.5 V	17.0 V	5.3 V	13.2 V	19.7 V	16.4 V	12.9 V	10.8 V	6.1 V	8.9	17.1 O	17.8 C	36.6	18.6
4	29.3 V	26.8	23.3	25.5	28.4	27.0	31.6	43.4	48.9	45.2	184.4	426.5 V	411.4 V	383.2 V	396.8 V	404.6 V	343.4 V	153.0 V	123.0 V	120.0 V	221.6 V	447.4	610.4	438.6	610.4	208.1
5	409.9	222.2	132.9	61.7	51.5	41.8	27.5	67.2	46.8	181.0 V	56.1 V	26.8 V	21.5 V	44.6 V	32.1 V	33.6 V	35.9 V	33.3 V	9.1 V	11.2 V	28.0 V	58.9	240.2	270.3	409.9	89.3
6	247.2	242.8	120.1	40.7 V	52.1	39.3	40.2	41.6	115.2	57.9 V	55.9 V	68.0 V	133.2 V	17.0 V	3.6 V	5.9 V	16.7 V	16.6 V	17.0 V	22.1 V	16.4 V	22.1 V	21.6	18.8	247.2	59.7
7	25.7	26.0	38.4	37.6	30.1	27.6	89.7	65.3	38.9	43.2 V	29.9 V	38.9 V	148.0 V	20.9 V	45.1 V	31.2 V	28.7 V	32.3 V	25.5 V	35.8 V	129.5 V	118.7 V	41.7 W	37.1 W	148.0	49.4
8	43.0 V	29.4 C	20.8 C	20.8 C	20.8 C	20.7 C	20.7 C	20.7 C	20.8 C	6.0 C	0.0 M	0.0 C	42.5 C	25.9 V	13.9 V	14.8 V	19.3 V	19.4 V	29.0 V	27.3 V	0.0 W	8.1 V	28.8	35.1	43.0	22.0
9	37.4	27.8	23.9	16.9 C	16.7 C	18.5 C	18.5 C	18.5 C	18.6 C	24.0 C	20.1 V	23.4 V	16.9 V	13.0 V	11.3 V	5.7 V	34.9 V	21.2 V	17.2 V	12.9 V	29.9	24.8	27.5	37.4	21.7	
10	30.3	28.8	26.5	28.1	26.2	21.6	20.1	23.7	26.8	38.3 V	26.8 V	29.1 V	27.3 V	22.7 V	11.2 V	11.4 V	16.9 V	18.8 V	9.3 V	5.1 V	1.6 V	16.3 V	14.2	21.4	38.3	20.9
11	27.2	30.5	72.4	99.3	46.0	176.0	37.1	27.7	39.5	49.6 V	55.9 V	41.8 V	24.1 V	42.4 V	91.2 V	121.3 V	192.4 V	84.3 V	78.8 V	110.3 V	135.0 V	145.7 V	128.1 W	75.0 W	192.4	80.5
12	44.5	41.0	45.9	40.3	33.1	29.0	23.2	24.2	31.5	30.7 V	29.6 V	24.3 V	8.2 V	3.0 V	16.3 V	28.8 V	22.1 V	17.2 V	19.0 V	0.3 V	4.8 V	11.4 V	12.1	18.3	45.9	23.3
13	24.6	17.7	21.7	27.8	23.2	20.9	19.4	48.4	77.0 C	25.8 V	32.6 V	34.8 V	9.6 V	17.2 V	38.8 V	17.5 V	21.6 V	131.0	28.8 V	23.8 V	17.6 V	11.5 V	16.6	24.4	131.0	28.5
14	25.5	26.2	25.3 V	24.9 C	24.1	18.8	11.4	18.3	53.1	37.7 V	29.1 V	28.7 V	12.4 V	8.8 V	25.8 V	33.8 V	17.7 V	27.7	69.9 V	133.4 V	23.5 V	83.2 V	77.7	65.2	133.4	38.7
15	97.0	25.5	37.3	33.5	26.3	18.8 V	13.8	13.0	13.0	13.1	13.1	13.1	13.1	13.0	13.1	13.1	13.0	13.0	12.9	12.9	12.9	13.0	13.0	12.9	97.0	19.7
16	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	6.9	10.4	30.8	31.4	47.2	73.8	78.6	23.5	24.9	62.5	38.4	33.9	22.8	78.6	26.1
17	21.1	16.3	21.9	24.0	22.3	0.5 M	24.5	61.3	37.0	38.9	38.8	51.2 V	52.7 V	27.5	20.7	27.4	31.5	55.3	88.1	51.3	264.1	180.1	335.0	275.5 O	335.0	67.8
18	170.7 C	20.2 C	53.2 C	371.4	100.5	31.8 V	35.9 M	12.5 V	35.8	63.5	41.7	59.2	89.7	63.9	131.2	180.3	174.1 M	66.2 C	22.7 C	61.8 V	26.4 M	36.3 M	131.6 C	139.0 C	371.4	95.6
19	83.8 C	44.6 C	285.4	119.3	22.7	35.0	19.6 M	15.7 V	18.7 M	35.6 V	76.0 V	149.1 V	158.3	117.8 V	184.8 V	212.8	124.9	148.6	50.5	41.3 V	31.9 V	18.0	8.1	25.6	285.4	93.1
20	35.4	34.7	48.4	62.5	67.2	47.0	34.3	41.8	38.8	42.3	23.2	33.4	34.2	34.3	34.2	34.1	34.1	34.0	34.0	34.3	34.2	34.2	34.2	34.3	67.2	38.3
21	34.2	34.2	34.1	34.1	34.2	34.4	34.4	34.2	34.3	34.5	34.4	30.2 V	28.4	21.6 C	35.4 M	-2.0 C	8.0 C	14.6 C	7.0 C	0.9 C	11.3 C	1.2 M	0.0 M	8.2 M	34.5	33.5
22	-2.3 C	16.0 C	16.3 C	0.0 M	0.0 M	0.0 M	0.0 C	-2.4 C	0.0	0.0 C	-3.5 C	-3.0 C	-1.0 C	-8.6 C	39.0	52.1 C	130.4 V	52.1	17.3	11.5	2.2	0.8	13.2	4.1	130.4	27.1
23	0.5	2.9	0.6	4.4	1.2	2.3	8.8	6.8	21.2	28.9	23.6	18.7	19.0	11.2	9.0	14.1	12.1	15.1	15.2	12.1	4.1	8.0	13.0	14.0	28.9	11.1
24	17.0	15.1	18.6	18.1	11.4	7.3	10.2	5.2	24.9	35.9	27.9	17.6	15.9	12.6	7.0	5.9	10.2	13.8	3.3	4.1	1.0	0.5	3.6	1.9	35.9	12.0
25	4.8	8.8	7.3	5.8	1.6	0.4	1.6	7.1	0.0	4.9	4.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	20.3	17.5	10.6	17.2	20.3	5.2
26	18.5	10.9	0.6	1.6	3.2	4.5	3.5	5.4	18.6	32.9	37.8	33.7	24.5	26.6	32.0	5.7	9.3	9.1	3.9	4.7	1.2	0.8	7.2	7.0	37.8	12.6
27	5.1	9.7	14.0	10.3	3.7	1.5	5.1	4.8	13.7 M	25.8 C	28.6 M	24.7 C	15.0 C	12.4 C	2.9 C	2.4 C	11.1 C	9.7 C	11.0 C	26.3 V	5.2	2.0	4.0	5.6	26.3	7.5
28	5.1	2.9	1.2	0.0	0.0	0.3	5.6	4.4	9.4 V	22.2 V	25.5 M	12.6 C	13.4 C	17.7 C	17.4 C	26.1 C	23.1 C	19.8 C	26.8 C	16.1 C	3.7 C	1.0 C	10.7 O	8.1 O	22.2	5.1
29	5.7 C	2.0 C	0.3 C	1.8 C	1.6 C	1.5 C	5.4 C	3.9 C	16.0 C	17.6 C	18.8	27.8	13.2	5.2	14.7	17.0	5.7	7.3	5.1	10.7	5.4	2.6	10.6	10.4	27.8	11.0
30	16.5	18.8	16.0	21.5	29.3	22.8	15.3	8.0	7.1 V	11.5 V	21.5	11.3 V	4.7	5.6	2.6	7.8	8.1	4.8 V	30.1 V	8.0 V	0.6 W	0.3 V	5.4 W	13.0 W	30.1	12.1
31	14.4 V	8.8 V	1.5 V	0.9 V	3.4 V	9.7 V	5.9 V	9.3 V	16.4 M	14.8 C	10.2 V	6.5 V	0.6	0.6	7.0	40.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8	5.4
Max	409.9	242.8	285.4	371.4	100.5	176.0	89.7	67.2	115.2	181.0	184.4	426.5	411.4	383.2	396.8	404.6	343.4	153.0	123.0	133.4	264.1	447.4	610.4	438.6	610.4	38.2
Avg	48.3	35.8	40.2	43.0	25.7	26.6	21.4	24.6	31.7	39.2	37.9	48.0	50.5	37.5	44.8	50.8	45.9	39.4	28.9	30.2	37.8	46.1	66.2	47.8		
Rds	26	26	26	26	27	26	25	27	24	25	26	27	27	27	28	27	27	27	27	29	28	28	26	26		

'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