

Post 2004 PM Test Results using Improved Condensible Test Methods

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U										
1	Company	Kiln Type	Kiln ID	APCD	Stone Type	Test Year	Filterable PM (3 hr. avg.)			Condensibles (3 hr. avg.)			Total PM Emission Rate (PMFIL+PMCON) (lb PM/tsf) lb/ton lime		Condensibles (% of Total PMFIL)	Condensible EF (lb/ton lime)	Percent Sulfur in		% O ₂	Flame Temp °F	Comments										
2																															
3																															
4													lbs/tsf	grains/dscf			Test Method ¹	lbs/tsf				grains/dscf	Test Method ²								
5	Preheater																														
6	A	PH		ESP	HC	2007	0.270	0.042	201a	0.090	0.036	202	0.360	0.720	25%	0.180	0.88	0.05	7.7	4000	ESP equipped										
7																															
8	B	PH	Kiln 5	ESP	HC	2008	0.047	0.006	5	0.237	0.016	202	0.284	0.568	83%	0.474	1.00	0.06	9.14		High Organic Carbon Stone										
9	B	PH	Kiln 5	ESP	HC	2008	0.033	0.005	5	0.030	0.013	202	0.063	0.126	48%	0.060	1.00	0.06	7.49		Low Organic Carbon Stone										
10	B	PH	Kiln 5	ESP	HC	2008	0.063	0.009	5	0.350	0.061	202	0.413	0.826	85%	0.700	1.00	0.06	7.3		High Organic Carbon Stone										
11	B	PH	Kiln 5	ESP	HC	2008	0.050	0.007	5	0.090	0.013	202	0.140	0.280	64%	0.180	1.00	0.06	6.97		Low Organic Carbon Stone										
12	B	PH	Kiln 5	ESP	HC	2008	0.040	0.006	5	0.240	0.037	202	0.280	0.560	86%	0.480	1.00	0.06	6.09		High Organic Carbon Stone										
13	B	PH	Kiln 5	ESP	HC	2008	0.017	0.002	5	0.090	0.003	202	0.107	0.214	84%	0.180	1.00	0.06	9.6		Low Organic Carbon Stone										
14																															
15	C	PH	Kiln 1	Bag House	HC	2006	0.016	0.002	5	0.020	0.002	202	0.036	0.072	56%	0.040	1.89	0.014	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
16	C	PH	Kiln 1	Bag House	HC	2007	0.019	0.002	5	0.014	0.001	202	0.033	0.066	41%	0.027	1.89	0.03	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
17	C	PH	Kiln 1	Bag House	HC	2008	0.095	0.010	5	0.022	0.002	202	0.117	0.234	19%	0.044	2.35	0.027	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
18	C	PH	Kiln 2	Bag House	HC	2006	0.010	0.002	5	0.028	0.004	202	0.038	0.076	74%	0.056	2.38	0.014	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
19	C	PH	Kiln 2	Bag House	HC	2007	0.067	0.008	5	0.025	0.003	202	0.092	0.184	27%	0.050	2.20	0.03	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
20	C	PH	Kiln 2	Bag House	HC	2008	0.013	0.002	5	0.021	0.003	202	0.034	0.068	62%	0.042	2.16	0.027	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
21	C	PH	Kiln 3	Bag House	HC	2007	0.028	0.004	5	0.016	0.002	202	0.044	0.088	36%	0.032	1.85	0.03	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
22	C	PH	Kiln 3	Bag House	HC	2008	0.008	0.001	5	0.066	0.008	202	0.074	0.148	89%	0.132	2.16	0.027	0.6-0.9	1,825	Normal O2 range and kiln temperature.										
23	C	PH	Kiln 2	Scrubber	HC	2007	1.039	0.085	RM 5	0.037	0.003	RM 202	1.076	2.152	3%	0.074	0.96	<0.05	N/A	2,000	No data on O2.										
24																															
25	D	PH	Kiln 2	Bag House	Dolo	2007	0.010	0.002	5	0.014	0.002	202	0.024	0.048	58%	0.028	0.46	0.02	1.17 to 1.19	2100	flame temp										
26	D	PH	Kiln 1	Bag House	HC	2006	0.025	0.003	5	0.021	0.003	202	0.046	0.093	45%	0.042	0.49	0.022	0.14 to 0.4	1650	feed end temp - don't have flame temp or firing hood temp in recorded data										
27	D	PH	Kiln 2	Bag House	HC	2005	0.104	0.017	5	0.008	0.001	202	0.112	0.224	7%	0.015	1.30	0.022	0.16 to 0.34	1750	feed end temp - don't have flame temp or firing hood temp in recorded data										
28	D	PH	Kiln 2	Bag House	HC	2005	0.006	0.001	5	0.020	0.004	202	0.026	0.052	76%	0.040	0.98	0.022	0.18 to 0.42	1738	feed end temp - don't have flame temp or firing hood temp in recorded data										
29	D	PH	Kiln 2	Bag House	HC	2006	0.013	0.002	5	0.038	0.005	202	0.052	0.103	74%	0.077	0.67	0.022	0.26 to 0.54	1820	feed end temp - don't have flame temp or firing hood temp in recorded data										
30	D	PH	Kiln 2	Bag House	HC	2007	0.004	0.001	5	0.005	0.001	202	0.010	0.019	54%	0.010	0.57	0.022	1.57 to 1.91	1870	feed end temp - don't have flame temp or firing hood temp in recorded data										
31	D	PH	Kiln 1	Bag House	HC	2007	0.001	0.0001	201A	0.092	0.012	202A	0.093	0.185	99%	0.184	0.53	0.02	0.33	2600	No data for that day...is normally around 2600										
32	Straight																														
33	A	SR		Bag House	Dolo	2008	0.037	0.005	5	0.021	unknown	202	0.058	0.116	36%	0.042	2.16	0.001	8.100	unknown											
34	A	SR		Bag House	Dolo	2008	0.064	0.00	5.000	0.070	0.005	202	0.134	0.267	52%	0.139	Coal = 3.2% Coke = 6.3%	0.00	13% at the stack	unknown											
35																															
36	B	SR	Kiln 1	ESP	HC	2006	0.080	0.006	5	0.137	0.011	202	0.217	0.434	63%	0.274	1.50	0.06	11.6		%O2 - stack oxygen, no kiln exit O2 analyzer										
37	B	SR	Kiln 2	ESP	Both	2006	0.050	0.005	5	0.182	0.018	202	0.232	0.465	78%	0.365	1.50	0.06	5.98		%O2 - stack oxygen, no kiln exit O2 analyzer										
38	B	SR	Kiln 3	ESP	Both	2006	0.080	0.007	5	0.063	0.005	202	0.143	0.286	44%	0.126	1.50	0.06	10.5		%O2 - stack oxygen, no kiln exit O2 analyzer										
39	B	SR	Kiln 3	ESP	Both	2007	0.100	0.009	5	0.006	0.001	202	0.106	0.212	6%	0.012	1.50	0.06	7.6		%O2 - stack oxygen, no kiln exit O2 analyzer										
40	B	SR	Kiln 4	ESP	HC	2006	0.050	0.006	5	0.045	0.005	202	0.095	0.190	47%	0.090	1.00	0.06	5.7		%O2 - stack oxygen, no kiln exit O2 analyzer										
41																															
42	C	SR	Kiln 1	Scrubber	HC	2007	0.642	0.051	RM 5	0.223	0.018	RM 202	0.865	1.730	26%	0.446	0.96	<0.05	N/A	1,250	No data on O2.										
43																															
44	D	SR	Kiln 1	Bag House	Dolo	2005	0.005	0.0005	5	0.005	0.001	202	0.010	0.019	49%	0.010	2.20	0.02	0.90 to 1.01	1650	flame temp										
47	1/ If more than one filterable test was performed, include test results (and identify test method) for the other tests in comments section.																														
48	2/ If M. 202, only include results if nitrogen purge option used.																														