

US EPA ARCHIVE DOCUMENT

Data Summary: Cement Kilns, Particulate Matter

	1	2	3	4	5	6	7	8	11	12	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Short	ILRM	Hazardous	Munitions	Chemical	Mixed	Comm	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type	Detailed Acronym	Kiln	Status	Wastes	Popping Furnace	Weapons Demil	Radioactive Waste	vs On-site	
4																
5																
6	200	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
7	200	200C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
8	200	200C4	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
9	200	200C5	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
10	200	200C1	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
11	200	200C2	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
12	201	201C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
13	201	201C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
14	201	201C1	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
15	201	201C2	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
16	201	201C3	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
17	203	203C10	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
18	203	203C5	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
19	203	203C6	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
20	203	203C2	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
21	203	203C4	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
22	203	203C1	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln (CK)	Long, Wet	ESP	No	Liq	No	No	No	Comm	No	
23	204	204B2	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liquid	No	No	No	Comm	No	
24	204	204B3	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liquid	No	No	No	Comm	No	
25	204	204C9	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liquid	No	No	No	Comm	No	
26	204	204B4	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liquid	No	No	No	Comm	No	
27	204	204C1	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liquid	No	No	No	Comm	No	
28	207	207C12	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
29	207	207C11	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
30	207	207C10	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
31	207	207C3	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
32	207	207C1	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
33	207	207C2	Keystone	Bath	Cement kiln	Cement kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
34	208	208C11	Keystone	Bath	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
35	208	208C10	Keystone	Bath	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
36	208	208C3	Keystone	Bath	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
37	208	208C1	Keystone	Bath	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
38	208	208C2	Keystone	Bath	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, sludge	No	No	No	Comm	No	
39	228	228C10	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
40	228	228C11	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
41	228	228C2	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
42	228	228C6	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
43	228	228C7	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
44	300	300C10	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
45	300	300C11	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
46	300	300C12	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
47	300	300C13	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
48	300	300C3	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
49	300	300C1	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
50	300	300C6	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
51	300	300C7	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No	Liq, solid	No	No	No	Comm	No	
52	302	302C10	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
53	302	302C12	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
54	302	302C3	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
55	302	302C4	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
56	302	302C2	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
57	302	302C1	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No	Liq	No	No	No	Comm	No	
58	303	303C7	LONE STAR INDUSTRIES, INC.	CAPE GIRARDE	Cement kiln	Cement Kiln (CK)	Dry, preheater, pi	QC/FF main, F	Yes	off	Liq, sludge	No	No	No	Comm	No
59	303	303C1	LONE STAR INDUSTRIES, INC.	CAPE GIRARDE	Cement kiln	Cement Kiln (CK)	Dry, preheater, pi	QC/FF main, F	Yes	on	Liq, sludge	No	No	No	Comm	No
60	303	303C2	LONE STAR INDUSTRIES, INC.	CAPE GIRARDE	Cement kiln	Cement Kiln (CK)	Dry, preheater, pi	QC/FF main, F	Yes	on	Liq, sludge	No	No	No	Comm	No
61	303	303C6	LONE STAR INDUSTRIES, INC.	CAPE GIRARDE	Cement kiln	Cement Kiln (CK)	Dry, preheater, pi	QC/FF main, F	Yes	on	Liq, sludge	No	No	No	Comm	No

Data Summary: Cement Kilns, Particulate Matter

	2	20	21	30	31	32
2	Cond ID	Condition Information			PM Emissions	
3	Number	Cond	Cond Description	Campaign	Rating	Rating Comments
4		Dates		Number		
5						
6	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate		1 CT	
7	200C11	9/1/1998	CoC, Min dp on FF		1 IB	
8	200C4	8/1/1995	CoC, MAX HW FIRING, MAX TIER III METALS SPIKING, MAX SLURRY FEED		2 NA	Used older FF bags
9	200C5	8/1/1995	CoC, MIN FF PRESSURE DROP		2 NA	Used older FF bags
10	200C1	8/21/1992	CoC, MAX HW FEED, SPIKED METAL, SPIKED CHLORINE		3 NA	Used older FF bags
11	200C2	5/1/1989	COMPLIANCE WITH PSD CRITERIA		4 NA	Not evaluated: pre-BIF Rule data
12	201C10	6/1/1998	CoC, Max operating mode waste feed, temp, prod rate		1 CT	
13	201C11	10/1/1998	CoC, Min dp on FF		1 IB	
14	201C1	8/21/1992	CoC, MAX HW FEED, SPIKED METAL, SPIKED CHLORINE		2 NA	Used older FF bags. Run 4 at 0.11 not considered (outlie
15	201C2	1/30/1991	DRE TEST, also PM, metals, HCl; pre BIF rule		3 NA	Not evaluated: pre-BIF rule data
16	201C3	6/22/1989	Emissions evaluation, pre-BIF		4 NA	Not evaluated: pre-BIF rule data
17	203C10	5/1/2000	CoC: Max comb temp, max metal and chlorine feed rate, max prod rate, min ESP power		1 CT	Run 3 not used (0.182) ESP went offline
18	203C5	8/16/1996	CoC, MAX COMB ZONE TEMP, MAX METALS/CHLORINE FEED RATES		2 IB	
19	203C6	6/16/1996	CoC, DRE DEMONSTRATION, min comb temp?		2 CT	
20	203C2	5/24/1994	State of MS testing, ANNUAL STACK SAMPLING WITH SF6 SPIKE		3 N	State of MS compliance testing
21	203C4	12/1/1993	State of Mississippi required annual testing, DRE TEST USING SF6		4 N	State of MS compliance testing
22	203C1	7/19/1993	CoC, MAX HW FEED		5 CT	
23	204B2	5/1/1996	NORMAL KILN OPERATING CONDITIONS		1 N	
24	204B3	5/1/1996	CoC, MAX COMB ZONE TEMP, MAX SLURRY/METALS FEED, MIN ESP POWER		1 IB	
25	204C9	2/1/1996	CoC, MAX GAS FLOW RATE, MAX CHLORINE FEED, MAX APCD TEMP		1 CT	
26	204B4	11/1/1995	PM EMISSIONS TESTING AND CEM CERTIFICATION		2 N	
27	204C1	4/1/1992	CoC, MAX COMB TEMP		3 CT	
28	207C12	8/1/2000	CoC, max metals, waste, slurry		1 CT	
29	207C11	12/1/1999	Trial burn; Low temp POHC DRE, PCDD/PCDF		2 CT	
30	207C10	9/1/1998	CoC; max metals, chlorine, waste, slurry, min ESP power		3 CT	
31	207C3	1/1/1997	purpose of testing not clear		4 N	State emissions compliance testing
32	207C1	1/1/1993	CoC, MAX PROD, MAX TIER III SPIKE, MAX SLURRY FEED		5 CT	
33	207C2	1/1/1993	CoC, MAX PROD, >25% TIER III SPIKE, MAX SLURRY FEED		5 IB	
34	208C11	12/1/1999	TB, low temp, POHC DRE		1 CT	
35	208C10	9/1/1998	CoC; max metals, chlorine, waste, slurry, min ESP power		2 CT	
36	208C3	10/1/1996	purpose of test not clear		3 N	State emissions compliance testing
37	208C1	7/1/1992	CoC, MAX PROD, MAX TIER III SPIKE, MAX SLURRY FEED		4 IB	
38	208C2	7/1/1992	CoC, MAX PROD, >25% TIER III SPIKE, MAX SLURRY FEED		4 CT	
39	228C10	12/1/1997	Normal operating cond		1 NA	Not evaluated: failed Run 1 (> 0.08 gr/dscf)
40	228C11	1/1/1998	D/F test at max APCD temp and max CO, APCD worst case		1 CT	
41	228C2	12/1/1991	CoC, MAX HW FEED		2 CT	
42	228C6	10/1/1988	FIRING HW SOLID WASTE AND COAL		3 NA	Not evaluated: pre-BIF Rule data
43	228C7	10/1/1988	FIRING HW SOLID, LIQUID WASTE AND COAL		3 NA	Not evaluated: pre-BIF Rule data
44	300C10	10/1/1998	CoC; Min temp, max CO, POHC DRE, min ESP power		1 IB	
45	300C11	10/1/1998	CoC; Max operating temp, max temp, feedrates		1 CT	
46	300C12	10/1/1998	Risk burn, normal operations		1 N	
47	300C13	10/1/1998	Risk burn, normal operations		1 N	
48	300C3	7/28/1993	?		2 N	
49	300C1	5/20/1992	CoC, LOW COMB TEMP		3 NA	Not evaluated: failed run 1 (> 0.08 gr/dscf)
50	300C6	5/1/1987	BASELINE		4 NA	Not evaluated: pre-BIF Rule data
51	300C7	5/1/1987	Haz waste firing		4 NA	Not evaluated: pre-BIF Rule data
52	302C10	5/1/1998	CoC; high temperature, max metals, prod rate, waste feed		1 CT	
53	302C12	5/1/1998	Risk burn, normal operations		1 N	
54	302C3	7/1/1995	CoC, MAX OPERATING CONDITIONS		2 NA	Not evaluated: APCS since modified
55	302C4	7/1/1995	CoC, OPERATING CONDITIONS @ MIN TEMP		2 NA	Not evaluated: APCS since modified
56	302C2	9/1/1994	SUBSTITUTE RAW MATERIALS		3 NA	Not evaluated: APCS since modified
57	302C1	6/1/1992	CoC, MAX COMB TEMP, MIN ESP POWER, MAX PROD		4 NA	Not evaluated: APCS since modified
58	303C7	10/1/1995	Trial burn, HIGH COMB TEMP, IN-LINE RAW MILL OFF		1 CT	ILRM off
59	303C1	4/1/1992	BASELINE, no haz waste		2 NA	Not evaluated: not burning hazardous waste
60	303C2	6/1/1992	CoC, LOW COMB TEMP		2 CT	ILRM on
61	303C6	4/1/1992	FUEL: COAL/TIRE COMBINATION		3 NA	Not evaluated: not burning hazardous waste

Data Summary: Cement Kilns, Particulate Matter

	2	34	36	38	40	42	44	46	48	50	52	58	64	65	66	67	68	69	70	71	72	73	74	75	82	83	
2	Cond ID	PM Emissions (gr/dscf)											SVM SRE (%)														
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Cond Avg	R1	R2	R3	R4	R5	R6	Cond Avg								
6	200C10	0.0075	0.0074	0.0084								0.0078	99.9871	99.9932	99.9879											99.9893	
7	200C11	0.0025	0.0027	0.0026								0.0026	99.9915	99.9896	99.9901											99.9904	
8	200C4		0.0031	0.0043								0.0037	99.9899	99.9902												99.9901	
9	200C5	0.0021	0.0011									0.0016	99.9961	99.9947												99.9953	
10	200C1	0.0106		0.0135	0.0158							0.0133	99.9858 >	99.9462 >	99.9605 >	99.9830								>		99.9746	
11	200C2	0.0137	0.0312	0.0249								0.0233															
12	201C10	0.0021	0.0029	0.0025								0.0025	99.9901	99.9866	99.9899											99.9889	
13	201C11	0.0013	0.0005	0.0005								0.0008	99.9932	99.9919	99.9901											99.9917	
14	201C1	0.0108	0.0077	0.0151								0.0112	99.6243	99.9724	99.9607	99.9842										99.9234	
15	201C2	0.0247	0.0215	0.0268								0.0243															
16	201C3	0.0545	0.0530	0.0599								0.0558															
17	203C10	0.0144	0.0188									0.0166 >	99.9956 >	99.9939											>	99.9939	
18	203C5	0.0127	0.0068	0.0082								0.0092 >	99.9980 >	99.9985 >	99.9984										>	99.9982	
19	203C6	0.0218	0.0091	0.0136								0.0148															
20	203C2	0.0129	0.0203	0.0196								0.0176															
21	203C4	0.0172	0.0134	0.0177								0.0161															
22	203C1	0.0137	0.0173	0.0106								0.0138	99.7545	99.6221	99.6382											99.6763	
23	204B2	0.0080	0.0078	0.0076								0.0078															
24	204B3	0.0174	0.0092	0.0093								0.0120	99.6312	99.7145	99.7046											99.6837	
25	204C9	0.0204	0.0236	0.0286								0.0242															
26	204B4	0.0255	0.0280	0.0214								0.0250															
27	204C1	0.0335	0.0325	0.0353								0.0338 >	99.6609 >	99.7553 >	99.8768									>		99.7601	
28	207C12	0.0274	0.0410	0.0209								0.0298	99.6630	99.5987	99.7273											99.6595	
29	207C11	0.0124	0.0118	0.0227								0.0156															
30	207C10	0.0268	0.0260	0.0299								0.0276	99.5052	99.3134	99.2217											99.3461	
31	207C3	0.0079	0.0054	0.0090								0.0074															
32	207C1	0.0281	0.0256	0.0263	0.0324							0.0281	99.1939	99.4145	99.4824	99.5898										99.4139	
33	207C2	0.0237	0.0222	0.0188	0.0092	0.0176	0.0171					0.0181	99.3179	99.2938	99.8542	99.8568	99.1657	99.4601								99.5216	
34	208C11		0.0199	0.0208	0.0207							0.0205															
35	208C10	0.0170	0.0189	0.0154								0.0171	99.6382	99.5274	99.5925											99.5872	
36	208C3	0.0172	0.0162	0.0171								0.0169															
37	208C1	0.0128	0.0140	0.0153	0.0138							0.0140	99.7443	99.8728	99.7162	99.6219										99.7558	
38	208C2	0.0148	0.0107	0.0250	0.0149	0.0120	0.0159					0.0155	99.3976	99.3577	99.3205	99.5713	99.6978	99.8108								99.5725	
39	228C10	0.0939	0.0727	0.0346								0.0671															
40	228C11	0.0191	0.0350	0.0098								0.0213															
41	228C2	0.0093	0.0085	0.0095	0.0083	0.0078	0.0326					0.0165		99.7778		99.8219								99.7699		99.7902	
42	228C6	0.0287	0.0299	0.0185								0.0257															
43	228C7	0.0872	0.0419	0.1032				0.0201	0.0918			0.0688															
44	300C10	0.0559	0.0520	0.0161	0.0216							0.0299															
45	300C11	0.0670	0.0587	0.0361								0.0539	99.1289	99.4082	99.3439											99.2967	
46	300C12	0.0050	0.0080	0.0100								0.0077															
47	300C13	0.0398	0.0371	0.0561								0.0443															
48	300C3	0.0120	0.0150	0.0120								0.0130															
49	300C1	0.0830	0.0750	0.0680	0.0570							0.0708															
50	300C6	0.0225	0.0168	0.0302								0.0232															
51	300C7	0.0555	0.0438	0.0333								0.0442	40.4893	99.8856												98.0844	
52	302C10	0.0027	0.0018	0.0030								0.0025	99.9922	99.9938	99.9994											99.9952	
53	302C12	0.0023	0.0026	0.0051								0.0033															
54	302C3	0.0730	0.0510	0.0570								0.0603	99.4693	99.4027	99.3484											99.4075	
55	302C4	0.0610	0.0410	0.0480								0.0500															
56	302C2	0.0750	0.0720	0.0360								0.0610															
57	302C1				0.0200	0.0600	0.0207					0.0336					>	99.7990 >	99.2189 >	99.7707 >						99.5877	
58	303C7	0.0258	0.0229	0.0277								0.0255															99.9856
59	303C1	0.0220	0.0250	0.0210								0.0227							99.7953	99.9172			99.8565			99.8768	
60	303C2	0.0260	0.0240	0.0230								0.0243															
61	303C6	0.0200	0.0110	0.0200	0.0170							0.0170															

Data Summary: Cement Kilns, Particulate Matter

	1	2	3	4	5	6	7	8	11	12	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS Detailed Acronym	Short Kiln	ILRM Status	Hazardous Wastes	Munitions Popping Furnace	Chemical Weapons Demil	Mixed Radioactive Waste	Comm vs On-site	Gov't
3	Number	Number	Facility Name	City	Combustor Category	Combustor Class	Combustor Type									
4																
5																
62	318	473C2	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
63	318	318C1	TEXAS INDUSTRIES, INC.	MIDLOTHIAN	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
64	319	319D1	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
65	319	319D2	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
66	319	319B2	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
67	319	319B3	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
68	319	319B5	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
69	319	319B6	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
70	319	319B8	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
71	319	319C1	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge, solid	No	No	No	Comm	No
72	322	322C8	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
73	322	322C3	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
74	322	322C1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
75	323	323B1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
76	323	323B2	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
77	323	323C9	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
78	323	323B3	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
79	323	323C8	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
80	323	323C1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
81	403	403C10	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
82	403	403C11	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
83	403	403C12	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
84	403	403C13	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
85	403	403C3	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
86	403	403C4	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
87	403	403C1	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
88	403	403C2	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
89	404	404C10	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
90	404	404C11	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
91	404	404C3	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
92	404	404C4	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
93	404	404C5	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
94	404	404C1	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
95	404	404C2	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
96	473	473C2	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
97	491	300C11	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
98	491	300C12	Essroc	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
99	491	491C1	Essroc Corporation	Logansport	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
100	680	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
101	680	680C1	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
102	681	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
103	681	681C1	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
104	681	681C2	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
105	3029	3029C11	Lone Star	Greencastle	Cement kiln	Cement Kiln	Semi-dry, short, p	ESP (main), F	Yes	on	Liq	No	No	No	Comm	No
106	3030	3030C1	TXI	Midlothian	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
107	3031	3031C1	ASH GROVE CEMENT COMPAN	CHANUTE	Cement kiln	Cement Kiln	Preheater/precalc	FF (main), FF	Yes	on		No	No	No	Comm	No
108	3031	3031C2	ASH GROVE CEMENT COMPAN	CHANUTE	Cement kiln	Cement Kiln	Preheater/precalc	FF (main), FF	Yes	off		No	No	No	Comm	No
109	302A	302C10	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
110	302A	302C12	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
111	302A	302C3	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
112	302A	302C4	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
113	302A	302C2	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
114	302A	302C1	Lafarge	Paulding	Cement kiln	Cement Kiln (CK)	Wet, long	FF	No		Liq	No	No	No	Comm	No
115																
116																
117	Sources Shutdown or No Longer Burning Hazardous Wastes															

Data Summary: Cement Kilns, Particulate Matter

	2	20	21	30	31	32
2	Cond ID	Condition Information			PM Emissions	
3	Number	Cond	Cond Description	Campaign	Rating	Rating Comments
4		Dates		Number		
5						
62	473C2	3/8/1995	CoC, PARTICULATE MODE, HIGH COMB TEMP	1	NA	Data in lieu
63	318C1	6/1/1992	CoC, DRE Mode 1, MAX HW FEED, POHC SPIKING, NO QUENCH	2	N	Data from 473 represents this kilns current emissions
64	319D1	12/1/1994	BASELINE	1	N	
65	319D2	12/1/1994	CARBON INJECTION	1	NA	Not evaluated: research testing
66	319B2	7/1/1993	NORMAL OPERATION	2	N	
67	319B3	7/1/1993	NORMAL OPERATION	2	N	
68	319B5	7/1/1993	NORMAL OPERATION	2	N	
69	319B6	7/1/1993	NORMAL OPERATION	2	NA	Not evaluated: not burning hazardous waste
70	319B8	4/22/1992	PM diagnostic testing	3	NA	Not evaluated: failed run 4 (>0.08 gr/dscf)
71	319C1	5/5/1992	CoC, HIGH COMB TEMP	4	CT	
72	322C8	9/1/1995	CoC, MAXIMUM OPERATING CONDITIONS FOR PRODUCTION OF CLINKER	1	CT	
73	322C3	6/1/1994	CoC, MAX RAW MIX FEED RATE AND ESP INLET TEMP, MIN ESP POWER	2	CT	
74	322C1	5/1/1992	CoC, MAX PROD,MAX HW FEED,MAX COMB TEMP,MAX ESP TEMP	3	CT	
75	323B1	2/1/1995	LOW CHLORINE, HIGH ESP INLET TEMPERATURE	1	NA	Not evaluated: not burning hazardous waste
76	323B2	2/1/1995	HIGH CHLORINE, LOW ESP INLET TEMPERATURE	1	NA	Not evaluated: demonstration testing
77	323C9	2/1/1995	HIGH CHLORINE, HIGH ESP INLET TEMPERATURE	1	NA	Not evaluated: demonstration testing
78	323B3	9/1/1995	CoC, MAX OPERATING CONDITIONS	2	CT	
79	323C8	6/1/1994	CoC, MAX RAW MIX FEED RATE AND ESP INLET TEMP, MIN ESP POWER	3	CT	
80	323C1	5/1/1992	CoC, MAX PROD,MAX HW FEED,MAX COMB TEMP,MAX ESP TEMP	4	CT	
81	403C10	12/1/1997	Trial burn: Max comb temp, max metals, chlorine, raw material feedrate, 4 runs	1	CT	
82	403C11	12/1/1997	Trial burn: D/F test at max APCD temp and max CO, 3 runs	1	IB	
83	403C12	12/1/1997	Trial burn: PM compliance	1	IB	
84	403C13	1/1/1998	Trial burn: PM compliance	1	IB	
85	403C3	11/1/1994	CoC, HIGH COMB TEMP, HIGH CL FEED, HIGH HW FEED	2	CT	
86	403C4	11/1/1994	CoC, LOW COMB TEMP, HIGH HW FEED	2	IB	
87	403C1	5/1/1992	CoC, HIGH COMB TEMP, MIN ESP POWER	3	IB	
88	403C2	7/1/1992	CoC, LOW COMB TEMP, HIGH CL FEED, HIGH HW FEED	3	CT	
89	404C10	1/1/1998	Trial burn: Max comb temp, max metals, chlorine, raw material feedrate, max APCD temp, r	1	CT	
90	404C11	1/1/1998	Risk burn normal oper cond	1	N	
91	404C3	1/17/1995	CoC, MAX FEED & CHLORINE, MIN. COMB. TEMP.	2	NA	Not evaluated: failed Run 2 (<0.08 gr/dscf)
92	404C4	1/17/1995	CoC, MAX FEED, PRODUCTION, CHLORINE, & COMB. TEMP. MIN ESP POWER	2	IB	
93	404C5	1/17/1995	CoC, PM MEASUREMENT	2	CT	
94	404C1	7/1/1992	CoC, HIGH COMB TEMP, MIN ESP POWER	3	CT	
95	404C2	7/1/1992	CoC, LOW COMB TEMP, HIGH HW FEED	3	IB	
96	473C2	3/8/1995	CoC, PARTICULATE MODE, HIGH COMB TEMP	1	CT	
97	300C11	10/1/1998	CoC; Max operating temp, max temp, feedrates	1	NA	Data in lieu
98	300C12	10/1/1998	Risk burn, normal operations	1	NA	Data in lieu
99	491C1	5/1/1995	CoC, MAX COMB TEMP, MAX METALS/CL FEED, MAX APCD TEMP	2	CT	Data for source 300 represents current emissions
100	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate	1	NA	Data in lieu
101	680C1	11/11/1993	?	2	NA	Data for source 200 represents this kilns current emissio
102	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate	1	NA	Data in lieu
103	681C1	11/10/1993	State of South Carolina emissions testing requirements	2	NA	Data for source 200 represents this kilns current emissio
104	681C2	6/5/1991	State of South Carolina emissions testing requirements, pre-BIF	3	NA	Pre BIF rule data
105	3029C11	12/1/2000	CoC	1	CT	ILRM on
106	3030C1	3/1/2001	Periodic air emissions evaluation	1	N	State of Texas compliance testing
107	3031C1	12/1/2001	Comp Perf Test, raw mill on	1	CT	MACT New Source; data not included in Existing Source
108	3031C2	3/1/2002	Comp Perf Test, raw mill off	1	CT	MACT New Source; data not included in Existing Source
109	302C10	5/1/1998	CoC; high temperature, max metals, prod rate, waste feed	1	NA	Data in lieu
110	302C12	5/1/1998	Risk burn, normal operations	1	NA	Data in lieu
111	302C3	7/1/1995	CoC, MAX OPERATING CONDITIONS	2	NA	Not evaluated: APCS since modified, data in lieu
112	302C4	7/1/1995	CoC, OPERATING CONDITIONS @ MIN TEMP	2	NA	Not evaluated: APCS since modified, data in lieu
113	302C2	9/1/1994	SUBSTITUTE RAW MATERIALS	3	NA	Not evaluated: APCS since modified, data in lieu
114	302C1	6/1/1992	CoC, MAX COMB TEMP, MIN ESP POWER, MAX PROD	4	NA	Not evaluated: APCS since modified, data in lieu
115						
116						
117	shutdown or					

Data Summary: Cement Kilns, Particulate Matter

	2	34	36	38	40	42	44	46	48	50	52	58	64	65	66	67	68	69	70	71	72	73	74	75	82	83
2	Cond ID	PM Emissions (gr/dscf)											SVM SRE (%)													
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Cond Avg	R1	R2	R3	R4	R5	R6	Cond Avg							
4																										
5																										
62	473C2	0.0116	0.0096	0.0085								0.0099														
63	318C1	0.0114	0.0083	0.0092								0.0096														
64	319D1	0.0091	0.0056	0.0105								0.0084														
65	319D2	0.0094	0.0087	0.0074								0.0085														
66	319B2				0.0110	0.0092	0.0104					0.0102														
67	319B3				0.0145	0.0196	0.0207					0.0183														
68	319B5				0.0050	0.0055	0.0083					0.0063														
69	319B6				0.0086	0.0160	0.0094					0.0113														
70	319B8	0.0207	0.0257	0.0727	0.1167	0.0235	0.0226	0.0201	0.0156	0.0711	0.0207	0.0409														
71	319C1	0.0403	0.0375	0.0343								0.0374														99.6632
72	322C8	0.0140	0.0100	0.0150								0.0130	99.7374	99.7075	99.7435											99.7300
73	322C3	0.0190	0.0230	0.0310								0.0243														
74	322C1	0.0330	0.0130	0.0110								0.0190														
75	323B1	0.0114	0.0117	0.0130								0.0120	99.8126			99.8078										99.7948
76	323B2	0.0187		0.0219								0.0203	99.3153	99.8746	99.4392											99.5649
77	323C9	0.0063	0.0036	0.0047								0.0049	99.8967	99.9083	99.8765											99.8944
78	323B3	0.0290	0.0290	0.0200								0.0260	99.6166	99.6270	99.7296											99.6583
79	323C8	0.0160	0.0160	0.0110								0.0143														
80	323C1	0.0330	0.0280	0.0050								0.0220														
81	403C10	0.0539	0.0606	0.0565	0.0501							0.0553	98.9438	98.2854	98.5564											99.4608
82	403C11	0.0247	0.0245	0.0566								0.0353														98.6097
83	403C12	0.0105	0.0163	0.0095								0.0121														
84	403C13	0.0168	0.0199	0.0149								0.0172														
85	403C3	0.0273	0.0248	0.0366	0.0289							0.0294	99.5442	99.3782	99.3317	99.3071										99.3928
86	403C4	0.0127	0.0122	0.0163	0.0099							0.0128														
87	403C1	0.0311	0.0243	0.0489	0.0346	0.0154	0.0177	0.0277				0.0285	99.4324	99.1133	99.4425	98.6760										99.1815
88	403C2	0.0163	0.0351	0.0356	0.0386							0.0314														
89	404C10	0.0086	0.0230	0.0074	0.0055							0.0111	99.9181	99.9118	99.9130											99.9137
90	404C11	0.0034	0.0123	0.0049								0.0069														
91	404C3	0.0254	0.1323	0.0042	0.0035							0.0413														
92	404C4	0.0032	0.0038	0.0029	0.0066							0.0041	99.9590	99.9637	99.9549	99.9431										99.9556
93	404C5	0.0262	0.0054	0.0082	0.0064							0.0115														
94	404C1	0.0047	0.0055	0.0043	0.0183	0.0075	0.0046					0.0075	99.9136	99.9200	99.9370	99.8716	99.8342	99.8751								99.9059
95	404C2	0.0048	0.0035	0.0042	0.0047							0.0043														
96	473C2	0.0116	0.0096	0.0085								0.0099														
97	300C11	0.0670	0.0587	0.0361								0.0539	99.1289	99.4082	99.3439											99.2967
98	300C12	0.0050	0.0080	0.0100								0.0077														
99	491C1	0.0600		0.0660	0.0620							0.0627	99.4969	99.5963	99.6241											99.5780
100	200C10	0.0075	0.0074	0.0084								0.0078	99.9871	99.9932	99.9879											99.9893
101	680C1	0.0226	0.0141	0.0160								0.0176														
102	200C10	0.0075	0.0074	0.0084								0.0078	99.9871	99.9932	99.9879											99.9893
103	681C1	0.0214	0.0154	0.0050								0.0139														
104	681C2	0.0182	0.0113	0.0145								0.0147														
105	3029C11	0.0100	0.0099	0.0113								0.0104	99.9906	99.9922	99.9913											99.9913
106	3030C1	0.0013	0.0001	0.0012								0.0009														
107	3031C1	0.0008	0.0009	0.0004	0.0005							0.0007														
108	3031C2	0.0011	0.0013	0.0023	0.0007							0.0013														
109	302C10	0.0027	0.0018	0.0030								0.0025	99.9922	99.9938	99.9994											99.9952
110	302C12	0.0023	0.0026	0.0051								0.0033														
111	302C3	0.0730	0.0510	0.0570								0.0603	99.4693	99.4027	99.3484											99.4075
112	302C4	0.0610	0.0410	0.0480								0.0500														
113	302C2	0.0750	0.0720	0.0360								0.0610														
114	302C1				0.0200	0.0600	0.0207					0.0336														> 99.7990 > 99.2189 > 99.7707 > 99.5877
115																										
116																										
117	shutdown or																									

Data Summary: Cement Kilns, Particulate Matter

	1	2	3	4	5	6	7	8	11	12	13	15	16	17	18	19
2	Source ID	Cond ID	Facility Information		Combustor Information			APCS	Short	ILRM	Hazardous	Munitions	Chemical	Mixed	Comm	Gov't
3	Number	Number	Facility Name	City	Combustor	Combustor	Combustor	Detailed	Kiln	Status	Wastes	Popping	Weapons	Radioactive	vs On-site	
4					Category	Class	Type	Acronym				Furnace	Demil	Waste		
5																
118	205	205C10	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
119	205	205C5	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
120	205	205C6	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
121	205	205C8	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
122	205	205C1	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
123	206	206C10	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
124	206	206C5	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
125	206	206C6	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
126	206	206C7	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
127	206	206C8	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
128	206	206C9	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No
129	206	206C1	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln (CK)	Wet, long	ESP	No		Liq	No	No	No	Comm	No

Data Summary: Cement Kilns, Particulate Matter

	2	20	21	30	31	32
2	Cond ID	Condition Information			PM Emissions	
3	Number	Cond	Cond Description	Campaign	Rating	Rating Comments
4		Dates		Number		
5						
118	205C10	1/1/2000	Max comb temp, max metals, max chlorine, max prod rate		1 CT	
119	205C5	6/1/1995	ReCoC, HIGH COMB TEMP, HIGH METALS FEED, HIGH CHLORINE		2 IB	
120	205C6	6/1/1995	ReCoC, LOW COMB TEMP		2 CT	
121	205C8	5/1/1995	NORMAL WASTE DERIVED FUEL FIRING		3 N	
122	205C1	6/1/1992	CoC, MAX COMB TEMP		4 CT	
123	206C10	11/1/1999	Max comb temp, max metals, max chlorine, max prod rate, max waste		1 CT	
124	206C5	5/1/1995	CoC, MAX COMB TEMPS AND MAX METALS/CHLORINE FEED RATES		2 CT	
125	206C6	5/1/1995	CoC, DEMONSTRATE POHC DRE WITH MIN COMB TEMP AND MAX CO		2 IB	
126	206C7	5/1/1995	NORMAL WASTE DERIVED FUEL FIRING		3 N	
127	206C8	5/1/1995	NORMAL WASTE DERIVED FUEL FIRING, LOW APCD TEMPERATURE		3 N	
128	206C9	5/1/1995	BASELINE, NO WASTE DERIVED FUEL, NORMAL APCD INLET TEMP		3 NA	Not evaluated: not burning hazardous waste
129	206C1	7/1/1992	CoC, MAX COMB TEMP		4 CT	

Data Summary: Cement Kilns, Particulate Matter

	2	34	36	38	40	42	44	46	48	50	52	58	64	65	66	67	68	69	70	71	72	73	74	75	82	83	
2	Cond ID	PM Emissions (gr/dscf)											SVM SRE (%)														
3	Number	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	Cond Avg	R1	R2	R3	R4	R5	R6	Cond Avg								
4																											
5																											
118	205C10	0.0240	0.0160	0.0140								0.0180	99.8359	99.8087	99.7856												99.8104
119	205C5	0.0032	0.0018	0.0023								0.0024	99.9406	99.9469	99.9500												99.9457
120	205C6	0.0022	0.0022	0.0041								0.0028															
121	205C8	0.0113	0.0067	0.0086								0.0089															
122	205C1	0.0447	0.0463	0.0584								0.0498	99.6008	98.9634	99.0036												99.1825
123	206C10	0.0110	0.0280	0.0690								0.0360	99.4074	98.6145	98.0203												98.6521
124	206C5	0.0200	0.0276	0.0384								0.0287	99.6579	99.7138	99.6128												99.6611
125	206C6	0.0139	0.0074	0.0056								0.0090															
126	206C7	0.0080	0.0065	0.0094								0.0080															
127	206C8	0.0119	0.0088	0.0102								0.0103															
128	206C9	0.0029	0.0023	0.0033								0.0028															
129	206C1	0.0291	0.0240	0.0148								0.0226	99.8634 >	99.8146 >	99.8386											>	99.8389