

US EPA ARCHIVE DOCUMENT

Data Summary: Cement Kilns, Semi Volatile Metals

	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																
6	200	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
7	200	200C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
8	200	200C4	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
9	200	200C5	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
10	200	200C1	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
11	201	201C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
12	201	201C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
13	201	201C1	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
14	201	201C2	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
15	203	203C10	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln	Long, Wet	ESP	No		Liq	No	No	No	Comm	No
16	203	203C5	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln	Long, Wet	ESP	No		Liq	No	No	No	Comm	No
17	203	203C2	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln	Long, Wet	ESP	No		Liq	No	No	No	Comm	No
18	203	203C4	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln	Long, Wet	ESP	No		Liq	No	No	No	Comm	No
19	203	203C1	Holcim (US) Inc.	Artesia	Cement kiln	Cement Kiln	Long, Wet	ESP	No		Liq	No	No	No	Comm	No
20	204	204B2	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liquid	No	No	No	Comm	No
21	204	204B3	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liquid	No	No	No	Comm	No
22	204	204C1	Holcim (US) Inc.	Clarksville	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liquid	No	No	No	Comm	No
23	207	207C11	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
24	207	207C12	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
25	207	207C10	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
26	207	207C3	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
27	207	207C1	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
28	207	207C2	Keystone	Bath	Cement kiln	Cement kiln	(Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
29	208	208C10	Keystone	Bath	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
30	208	208C11	Keystone	Bath	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
31	208	208C3	Keystone	Bath	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
32	208	208C1	Keystone	Bath	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
33	208	208C2	Keystone	Bath	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
34	228	228C12	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
35	228	228C2	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
36	228	228C6	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
37	228	228C7	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
38	300	300C11	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
39	300	300C13	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
40	300	300C2	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
41	300	300C6	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
42	300	300C7	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
43	302	302C10	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
44	302	302C12	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
45	302	302C3	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
46	302	302C1	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
47	303	303C7	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEA	Cement kiln	Cement Kiln	Dry, preheater, pr QC/FF main, FF bypass	Yes	off		Liq, sludge	No	No	No	Comm	No
48	303	303C9	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEA	Cement kiln	Cement Kiln	Dry, preheater, pr QC/FF main, FF bypass	Yes	on		Liq, sludge	No	No	No	Comm	No
49	303	303C1	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEA	Cement kiln	Cement Kiln	Dry, preheater, pr QC/FF main, FF bypass	Yes	on		Liq, sludge	No	No	No	Comm	No
50	303	303C3	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEA	Cement kiln	Cement Kiln	Dry, preheater, pr QC/FF main, FF bypass	Yes	off		Liq, sludge	No	No	No	Comm	No
51	303	303C6	LONE STAR INDUSTRIES, INC.	CAPE GIRARDEA	Cement kiln	Cement Kiln	Dry, preheater, pr QC/FF main, FF bypass	Yes	on		Liq, sludge	No	No	No	Comm	No
52	318	318C2	TEXAS INDUSTRIES, INC.	MIDLOTHIAN	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
53	318	473C1	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
54	319	319D6	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge, sc	No	No	No	Comm	No
55	319	319D9	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge, sc	No	No	No	Comm	No
56	319	319D1	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge, sc	No	No	No	Comm	No
57	319	319D2	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge, sc	No	No	No	Comm	No
58	319	319C1	CONTINENTAL CEMENT COMP/HANNIBAL		Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge, sc	No	No	No	Comm	No
59	322	322C8	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
60	322	322C1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
61	323	323B1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No

Data Summary: Cement Kilns, Semi Volatile Metals

	2	20	21	22	23	25	26	30	31	32		
2	Cond ID	Condition Information			Spiking		Tier		SVM Emissions			
3	Number	Cond	Cond Description			Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments
4		Dates								Number		
6	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate	Y	Y	3	3	1	IB			
7	200C11	9/1/1998	CoC, Min dp on FF	Y	Y	3	3	1	CT			
8	200C4	8/1/1995	CoC, MAX HW FIRING, MAX TIER III METALS SPIKING, MAX SLURRY FEED	Y	Y	3	3	2	NA		Used older FF Bags	
9	200C5	8/1/1995	CoC, MIN FF PRESSURE DROP	Y	Y	3	3	2	NA		Used older FF Bags	
10	200C1	8/21/1992	CoC, MAX HW FEED, SPIKED METAL, SPIKED CHLORINE	Y	Y	3	3	3	NA		Used older FF Bags	
11	201C10	6/1/1998	CoC, Max operating mode waste feed, temp, prod rate	Y	Y	3	3	1	IB			
12	201C11	10/1/1998	CoC, Min dp on FF	Y	Y	3	3	1	CT			
13	201C1	8/21/1992	CoC, MAX HW FEED, SPIKED METAL, SPIKED CHLORINE	Y	Y	3	3	2	NA		Used older FF bags. R4 PM outlier (48)	
14	201C2	1/30/1991	DRE TEST, also PM, metals, HCl; pre BIF rule	L				3	NA		Not evaluated: pre-BIF Rule data	
15	203C10	5/1/2000	CoC: Max comb temp, max metal and chlorine feed rate, max prod rate, min ESP power	Y	Y	3	3	1	CT		Run 3 (13) not used in cond avg since ESP went off line	
16	203C5	8/16/1996	CoC, MAX COMB ZONE TEMP, MAX METALS/CHLORINE FEED RATES	Y	Y	3	3	2	CT			
17	203C2	5/24/1994	State of MS testing, ANNUAL STACK SAMPLING WITH SF6 SPIKE	N				3	N		Assume no SVM spike	
18	203C4	12/1/1993	State of Mississippi required annual testing, DRE TEST USING SF6	N				4	N		Assume no SVM spike	
19	203C1	7/19/1993	CoC, MAX HW FEED	Y	Y	3	3	5	CT			
20	204B2	5/1/1996	NORMAL KILN OPERATING CONDITIONS	N				1	N			
21	204B3	5/1/1996	CoC, MAX COMB ZONE TEMP, MAX SLURRY/METALS FEED, MIN ESP POWER	Y	Y	3	3	1	CT			
22	204C1	4/1/1992	CoC, MAX COMB TEMP	L	L	3	3	2	CT			
23	207C11	12/1/1999	Trial burn; Low temp POHC DRE, PCDD/PCDF					1	N			
24	207C12	8/1/2000	CoC, max metals, waste, slurry	Y	Y	3	3	1	IB			
25	207C10	9/1/1998	CoC; max metals, chlorine, waste, slurry, min ESP power	Y	Y	3	3	2	CT			
26	207C3	1/1/1997	purpose of testing not clear	U				3	N		Were SVMs spiked?	
27	207C1	1/1/1993	CoC, MAX PROD, MAX TIER III SPIKE, MAX SLURRY FEED	Y	Y	3	3	4	CT			
28	207C2	1/1/1993	CoC, MAX PROD, >25% TIER III SPIKE, MAX SLURRY FEED	Y	Y	3	3	4	IB			
29	208C10	9/1/1998	CoC; max metals, chlorine, waste, slurry, min ESP power	Y	Y	3	3	1	CT			
30	208C11	12/1/1999	TB, low temp, POHC DRE					1	N			
31	208C3	10/1/1996	purpose of test not clear	U				2	N		Were SVMs spiked?	
32	208C1	7/1/1992	CoC, MAX PROD, MAX TIER III SPIKE, MAX SLURRY FEED	Y	Y	3	3	3	CT			
33	208C2	7/1/1992	CoC, MAX PROD, >25% TIER III SPIKE, MAX SLURRY FEED	Y	Y	3	3	3	IB			
34	228C12	12/1/1997	Metals data from 403C10	Y	Y	3	3	1	NA		403C10 sister data	
35	228C2	12/1/1991	CoC, MAX HW FEED	Y	Y	3	3	2	CT		Data from source 403 represents current emissions from	
36	228C6	10/1/1988	FIRING HW SOLID WASTE AND COAL	N				3	NA		pre BIF rule data	
37	228C7	10/1/1988	FIRING HW SOLID, LIQUID WASTE AND COAL	N				3	NA		pre BIF rule data	
38	300C11	10/1/1998	CoC; Max operating temp, max temp, feedrates	Y	Y	3	3	1	CT			
39	300C13	10/1/1998	Risk burn, normal operations	U				1	N			
40	300C2	5/20/1992	CoC, HIGH COMB TEMP	L	Y	3	3	2	CT			
41	300C6	5/1/1987	BASELINE	U				3	NA		Not evaluated: pre-BIF Rule data	
42	300C7	5/1/1987	Haz waste firing	L				3	NA		Not evaluated: pre-BIF Rule data	
43	302C10	5/1/1998	CoC; high temperature, max metals, prod rate, waste feed	Y	Y	3	3	1	CT			
44	302C12	5/1/1998	Risk burn, normal operations	N				1	N			
45	302C3	7/1/1995	CoC, MAX OPERATING CONDITIONS	L	Y	3	3	2	NA		Not evaluated: APCS since modified	
46	302C1	6/1/1992	CoC, MAX COMB TEMP, MIN ESP POWER, MAX PROD	L	Y	3	3	3	NA		Not evaluated: APCS since modified	
47	303C7	10/1/1995	Trial burn, HIGH COMB TEMP, IN-LINE RAW MILL OFF	Y	Y	3	3	1	CT		ILRM off	
48	303C9	10/1/1995	NORMAL OPERATING CONDITIONS	N				1	N		ILRM on	
49	303C1	4/1/1992	BASELINE, no haz waste	N				2	NA		Not evaluated: not burning hazardous waste	
50	303C3	6/1/1992	CoC, HIGH COMB TEMP, IN-LINE RAW MILL OFF	Y	Y	3	3	2	CT		ILRM off	
51	303C6	4/1/1992	FUEL: COAL/TIRE COMBINATION	N				2	NA		Not evaluated: not burning hazardous waste	
52	318C2	6/1/1992	CoC, Metal mode	Y	Y	3	3	1	CT		Data from source 473 represents current emissions from	
53	473C1	6/8/1995	CoC, METALS MODE, HIGH COMB TEMP	L	L	3	3	1	NA		Data from sister kiln 473	
54	319D6	2/1/1996	TB, MAXIMUM TEMPERATURE CONDITIONS, metals testing	L	L	3	3	1	CT			
55	319D9	9/1/1996	TB, NORMAL OPERATING CONDITIONS	N	N			1	N			
56	319D1	12/1/1994	BASELINE	N	N			2	N			
57	319D2	12/1/1994	CARBON INJECTION	U	U			2	NA		Not evaluated: research testing	
58	319C1	5/5/1992	CoC, HIGH COMB TEMP	L	L	3	3	3	CT			
59	322C8	9/1/1995	CoC, MAXIMUM OPERATING CONDITIONS FOR PRODUCTION OF CLINKER	Y	Y	3	3	1	CT			
60	322C1	5/1/1992	CoC, MAX PROD,MAX HW FEED,MAX COMB TEMP,MAX ESP TEMP	Y	Y	3	3	2	CT			
61	323B1	2/1/1995	LOW CHLORINE, HIGH ESP INLET TEMPERATURE					1	NA		Not evaluated: not burning hazardous waste	

Data Summary: Cement Kilns, Semi Volatile Metals

	2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	57	58	61	62	63	
2	Cond ID	Stack Gas Emissions (ug/dscm) (ND% of total)																		SVM SRE			
3	Number	R1		R2		R3		R4		R5		R6		R7		R8		Cond Avg	Campaign	Rating	Comment		
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number			
5																							
6	200C10		31		15		29												25		1	CT	
7	200C11		32		38		36												35		1	IB	
8	200C4		21		22														21		2	NA	
9	200C5		12		19														15		2	NA	
10	200C1		40	20	75		70		68									6		3	NA		
11	201C10		23		24		23												23		1	CT	
12	201C11		23		30		33												29		1	IB	
13	201C1	97	399		49		48											71	136		2	NA	R4 PM outlier (99.984%)
14	201C2		149		264		96												170				
15	203C10		7		9														8		1	CT	R3 ESP offline (99.993%)
16	203C5	100	1	95	1	93	1											96	1		2	CT	
17	203C2		91		53		38												61				
18	203C4		66		71		69												69				
19	203C1		462		617		558												546		5	CT	
20	204B2		36		37		29												34				
21	204B3		424		360		306												363		1	CT	
22	204C1		749		404		238												464		2	CT	
23	207C11		43		48		46												46				
24	207C12		175		229		136												180		1	CT	
25	207C10		643		926		1,015												861		2	CT	
26	207C3		23		17		13												18				
27	207C1		726		508		482		312										507		4	CT	
28	207C2		636		280		96		80		243		211						258		4	IB	
29	208C10		454		542		526												508		1	CT	
30	208C11		42		67		74												61				
31	208C3		24		24		26												25				
32	208C1		80		73		99		141										98		3	IB	
33	208C2		121		87		115		79		63		64						88		3	CT	
34	228C12		1,897		3,564		2,952		2,918										2,833		1	NA	taken from 403C10
35	228C2	this kiln for metal:	0		359				268		0	1	316					0	314		1	CT	Data from source 403 represents current pe
36	228C6		224		207		111												181				
37	228C7		1,965		617		1,866							303		622			1,075				
38	300C11		1,203		886		950												1,013		1	CT	
39	300C13		464		437		675												525				
40	300C2		4,787		2,969		865		671										2,323		2	CT	
41	300C6		95		69		99												88				
42	300C7		300		39		319												219		3	NA	Not evaluated: pre-BIF Rule data
43	302C10		11		9		1												7		1	CT	
44	302C12		1		1		2												1				
45	302C3		1,148		1,409		1,350												1,302		2	NA	Not evaluated: APCS since modified
46	302C1								780		3,402		985						1,722		3	NA	Not evaluated: APCS since modified
47	303C7		10		4		4												6		1	CT	
48	303C9		4		0	52	0												2		1	NA	Normal
49	303C1								17		18		16						17		2	NA	Not evaluated: not burning hazardous waste
50	303C3		22		37		38												32		2	CT	
51	303C6										16		37		8				20				
52	318C2	this k	129		167		105												133		1	CT	Data from source 473 represents current pe
53	473C1		9		63		14												29		1	NA	
54	319D6		988		1,010		1,046												1,015		1	CT	
55	319D9		196		175		179												183		1	NA	Normal
56	319D1		233		156		171												187				
57	319D2		103		79		53												78				
58	319C1		624		1,140		263												676		3	CT	
59	322C8		379		360		324												354		1	CT	
60	322C1								134		148		165						149		2	CT	
61	323B1		32				41												36		1	NA	Not evaluated: not burning hazardous waste

Data Summary: Cement Kilns, Semi Volatile Metals

	2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	10	105	
2	Cond ID	SVM SRE (%)														SVM SRE Used For Evaluation Purposes (%)														
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg		R1	R2	R3	R4	R5	R6	Cond Avg														
4																														
5																														
6	200C10	99.9871	99.9932	99.9879										99.9893	99.9871	99.9932	99.9879												99.9893	
7	200C11	99.9915	99.9896	99.9901										99.9904	99.9915	99.9896	99.9901												99.9904	
8	200C4	99.9899	99.9902											99.9901	99.9899	99.9902													99.9901	
9	200C5	99.9961	99.9947											99.9953	99.9961	99.9947													99.9953	
10	200C1	99.9858 >	99.9462 >	99.9605 >	99.9830									>	99.9746	99.9858 >	99.9462 >	99.9605 >	99.9830										>	99.9746
11	201C10	99.9901	99.9866	99.9899										99.9889	99.9901	99.9866	99.9899												99.9889	
12	201C11	99.9932	99.9919	99.9901										99.9917	99.9932	99.9919	99.9901												99.9917	
13	201C1	99.6243	99.9724	99.9607										99.9234	99.6243	99.9724	99.9607												99.9234	
14	201C2																													
15	203C10 >	99.9956 >	99.9939											>	99.9939 >	99.9956 >	99.9939												>	99.9939
16	203C5 >	99.9980 >	99.9985 >	99.9984										>	99.9982 >	99.9980 >	99.9985 >	99.9984											>	99.9982
17	203C2																													
18	203C4																													
19	203C1	99.7545	99.6221	99.6382										99.6763	99.7545	99.6221	99.6382												99.6763	
20	204B2																													
21	204B3	99.6312	99.7145	99.7046										99.6837	99.6312	99.7145	99.7046												99.6837	
22	204C1 >	99.6609 >	99.7553 >	99.8768										>	99.7601 >	99.6609 >	99.7553 >	99.8768											>	99.7601
23	207C11																													
24	207C12	99.6630	99.5987	99.7273										99.6595	99.6630	99.5987	99.7273												99.6595	
25	207C10	99.5052	99.3134	99.2217										99.3461	99.5052	99.3134	99.2217												99.3461	
26	207C3																													
27	207C1	99.1939	99.4145	99.4824	99.5898									99.4139	99.1939	99.4145	99.4824	99.5898											99.4139	
28	207C2	99.3179	99.2938	99.8542	99.8568	99.1657	99.4601							99.5216	99.3179	99.2938	99.8542	99.8568	99.1657	99.4601									99.5216	
29	208C10	99.6382	99.5274	99.5925										99.5872	99.6382	99.5274	99.5925												99.5872	
30	208C11																													
31	208C3																													
32	208C1	99.7443	99.8728	99.7162	99.6219									99.7558	99.7443	99.8728	99.7162	99.6219											99.7558	
33	208C2	99.3976	99.3577	99.3205	99.5713	99.6978	99.8108							99.5725	99.3976	99.3577	99.3205	99.5713	99.6978	99.8108									99.5725	
34	228C12	98.9438	98.2854	98.5564	98.6947									98.6097	98.9438	98.2854	98.5564	98.6947											98.6097	
35	228C2		99.7778		99.8219									99.7699				99.7778									99.7699		99.7902	
36	228C6																													
37	228C7																													
38	300C11	99.1289	99.4082	99.3439										99.2967	99.1289	99.4082	99.3439												99.2967	
39	300C13																													
40	300C2	98.8872	99.3914	99.8076	99.8549									99.4923	98.8872	99.3914	99.8076	99.8549											99.4923	
41	300C6																													
42	300C7	40.4893	99.8856											98.0844	40.4893	99.8856													98.0844	
43	302C10	99.9922	99.9938	99.9994										99.9952	99.9922	99.9938	99.9994												99.9952	
44	302C12																													
45	302C3	99.4693	99.4027	99.3484										99.4075	99.4693	99.4027	99.3484												99.4075	
46	302C1																													
47	303C7																													
48	303C9																													
49	303C1																													
50	303C3	99.9358	99.8994	99.8927										99.9088	99.9358	99.8994	99.8927												99.9088	
51	303C6																													
52	318C2	99.8946	99.8724	99.9146										99.8934	99.8946	99.8724	99.9146												99.8934	
53	473C1	99.9958	99.9677	99.9953										99.9877	99.9958	99.9677	99.9953												99.9877	
54	319D6	99.3131	99.3533	99.3358										99.3347	99.3131	99.3533	99.3358												99.3347	
55	319D9	98.2034	98.3994	99.0882										98.6739	98.2034	98.3994	99.0882												98.6739	
56	319D1																													
57	319D2																													
58	319C1																													
59	322C8	99.7374	99.7075	99.7435										99.6632	99.7374	99.7075	99.7435												99.6632	
60	322C1																													
61	323B1	99.8126		99.8078										99.7948	99.8126														99.7948	

Data Summary: Cement Kilns, Semi Volatile Metals

	2	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	138	139	140	
2	Cond ID	SVM Feedrate MTEC Cond Avg (ug/dscm)						SVM Feedrate Total (ug/dscm)															
3	Number	HW	Spike	RM	Coal	Misc Fuel	Total	ND	R1	ND	R2	ND	R3	ND	R4	ND	R5	ND	R6	ND	Cond Avg	ND	
4																							
5																							
6	200C10	6,206	222,980	1,008	57		230,252		239,206		215,567		237,407									230,252	0
7	200C11	1,377	366,348	706	151		368,583		377,855		367,109		361,112									368,583	0
8	200C4	16,473	193,727	3,807			215,301		204,855		225,746		215,301		215,301							215,301	0
9	200C5	16,906	303,883	2,223			323,012		294,495		351,530		323,012		323,012							323,012	0
10	200C1	8,052	241,260	2,945	34		252,291		284,113	2	141,454	2	180,079	1	403,518					1		252,291	0
11	201C10	3,060	207,922	1,204	84		212,270		234,026		178,840		230,840									212,270	0
12	201C11	1,617	340,982	3,371	189		346,158		339,754		366,344		334,248									346,158	0
13	201C1	12,004	162,625	3,020	81		177,730		106,207		179,023		123,381		302,309							177,730	0
14	201C2																						
15	203C10	9,351	150,759	2,128	449		162,810	1	158,443	1	151,174									1		154,808	0
16	203C5		75,009	374	372		75,754	0	60,046	0	88,199	0	79,018							0		75,754	0
17	203C2																						
18	203C4																						
19	203C1		252	3,460	252		168,609		188,315		163,377		154,135									168,609	0
20	204B2																						
21	204B3	8,782	105,041	1,006	31		114,907		115,057		125,966		103,697									114,907	0
22	204C1	17,509	175,665	3,926	109		197,209	2	224,618	2	168,907	2	198,100							2		197,209	0
23	207C11																						
24	207C12	6,078	44,039	2,693	100		52,910		51,965		57,149		49,875									52,910	0
25	207C10	975	127,817	2,819	127		131,738		130,016		134,844		130,417									131,738	0
26	207C3																						
27	207C1	3,491	76,583	6,017	406		86,497		90,030		86,723		93,113		76,123							86,497	0
28	207C2	3,083	56,107	4,142	743		53,912		93,242		39,715		66,069		56,192		29,088		39,164			53,912	0
29	208C10	273	119,467	2,897	300		122,936		125,470		114,739		129,155									122,936	0
30	208C11																						
31	208C3																						
32	208C1	740	34,819	4,388	474		40,299		31,152		57,732		34,899		37,412							40,299	0
33	208C2	195	13,808	2,964	2,199		20,632		20,104		13,553		16,935		18,311		20,892		33,995			20,632	0
34	228C12	2,387	198,994	2,134	24	213	203,752		179,578		207,878		204,501		223,525							203,752	0
35	228C2		125,471	23,439	610		149,520				161,598				150,617				136,345			149,520	0
36	228C6																						
37	228C7																						
38	300C11	32,202	93,966	17,745		100	144,013		138,057		149,681		144,788									144,013	0
39	300C13																						
40	300C2		454,594	2,966	25		457,585		430,127		487,869		449,679		462,665							457,585	0
41	300C6																						
42	300C7	11,447					11,447		505		33,755	100	83									11,447	0
43	302C10	9,995	130,487	1,459			141,941		141,756		137,015		147,326									141,941	0
44	302C12																						
45	302C3	10,421	209,352				219,772		216,237		235,918		207,162									219,772	0
46	302C1		416,861	1,747			418,608						0	388,858	0	436,390	0	430,575	0			418,608	0
47	303C7	27,434	7,308	6,167	935		41,844															41,844	0
48	303C9	12,113	0	7,757			21,118															21,118	0
49	303C1			13,280	13,851		13,851							8,354	22,296		10,903					13,851	0
50	303C3	25,068		9,346			35,615		34,062		37,125		35,660									35,615	0
51	303C6																						
52	318C2		114,870	8,888	1,340		125,097		122,097		130,639		122,554									125,097	0
53	473C1	232,366					232,366		214,532		195,486		287,081									232,366	0
54	319D6	11,021	142,180	318	232		152,524		143,874		156,231		157,467									152,524	0
55	319D9	10,975		2,343	475		13,792		10,889		10,903		19,585									13,792	0
56	319D1																						
57	319D2																						
58	319C1	24,137	174,540	1,745	174		200,595															200,595	0
59	322C8	16,004	112,776	2,428			131,208		144,274		123,184		126,167									131,208	0
60	322C1	41,702	93,601	2,834			138,137						0	155,576	0	137,038	0	121,798	0			138,137	0
61	323B1			14,754	3,026		17,780		17,144		14,951		21,243									17,780	0

Data Summary: Cement Kilns, Semi Volatile Metals

	2	141	142	143	144	145	146	147	148	149	150	151	164	165	166	167	168	169	170		
2	Cond ID	SVM HW + Spike Feedrate (ug/dscm)													Thermal Feed Cond Avg (MMBtu/hr)						
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg					HW	Coal	MF	Total	Est Tot				
4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							
5																					
6	200C10	238074.4	0	214593.8	0	236307.3							0	229186.2	168.3	15.2		185.8	211.2		
7	200C11	376969.6	0	366229.7	0	360303.1							0	367725.4	52.9	15.2		68.1	126.9		
8	200C4	199946.8	0	221688	0	15237.4							0	210199.8	130.0	43.8		177.9	232.1		
9	200C5	292203.5	0	349374.1									0	320788.8	85.6	13.4		99.0	144.5		
10	200C1	281523.1	0	138429.2	0	177137.5	0	400158					0	249311.9	104.3	14.9		119.2	175.2		
11	201C10	233987.5	0	177082.8	0	228773.4							0	210981.6	149.3	27.6		176.9	274.7		
12	201C11	337838.4	0	364047.7	0	327955.3							0	342598.5	121.0	21.5		142.5	170.5		
13	201C1	102322.7	0	176128.1	0	120379.9	0	299684.4					0	174628.8	119.8	30.2		149.9	197.4		
14	201C2																				
15	203C10	155790.1	0	148920.8									0	152355.5	274.7	120.5		405.5	363.9		
16	203C5	59362	0	87294.4	0	78369.1							0	75008.5	162.0	187.9		349.9	483.0		
17	203C2																				
18	203C4																				
19	203C1	285.7	0	254.1	0	216.7							0	252.1	166.7	118.0		284.7	426.0		
20	204B2																				
21	204B3	114249.7	0	124568.2	0	102651.4							0	113823.2	377.7	649.3		1,063.0	1,677.5		
22	204C1	220855.9	0	165049.6	0	193616.5							0	193174.1	666.3	493.3		1,159.6	1,042.6		
23	207C11																			186.0	
24	207C12	50067.5	0	52326.7	0	48123.1							0	50116.3	78.3	14.0		92.3	147.8		
25	207C10	127449.9	0	131687.3	0	127306							0	128792	66.0	15.0		81.0	138.5		
26	207C3																				
27	207C1	85772.6	0	82158.9	0	88677.5	0	63688.4					0	80074.3	49.8	59.4		109.2	123.9		
28	207C2	89662.4	0	34948.2	0	61414.6	0	51042.1	0	3042.9	0	2812.4	0	59189.5	38.6	104.4		143.0	134.5		
29	208C10	122275.2	0	111627.4	0	125865.8							0	119739.9	266.7	143.7		410.4	535.6		
30	208C11																			465.0	
31	208C3																				
32	208C1	27608.4	0	54529.8	0	29979.8	0	31599.2					0	35559.3	161.5	127.8		289.3	250.6		
33	208C2	15950.7	0	10674.3	0	13340.5	0	16048					0	14003.4	92.0	194.7		286.6	436.8		
34	228C12	176912.3	0	205435.4	0	202303.5	0	221356.5					0	201381.4	233.8	55.9	26.2	317.8	315.2		
35	228C2		0	134087.8			0	127475				0	114851.3	0	125471.4	237.3	60.3		297.6	283.0	
36	228C6																				
37	228C7																				
38	300C11	121147.8	0	131068	0	126704.8							0	126168.1	218.6		1.9	220.5	298.9		
39	300C13														194.6		19.0	213.7	294.2		
40	300C2	428064.1	0	486970.3	0	443340.5	0	460001.7					0	454594.2	160.2	11.3		171.4	246.8		
41	300C6																				
42	300C7	504.5	0	33754.9	100	82.7							0	11447.4							
43	302C10	140400	0	135620.9	0	145691.7							0	140482.2	190.7			190.7	262.7		
44	302C12														184.3			184.3	257.8		
45	302C3	216236.8	0	235917.6	0	207161.9							0	219772.2	165.3			165.3	141.1		
46	302C1						0	386839.4	0	434572.3	0	429172.3	0	416861.3	179.5			179.5	195.6		
47	303C7												0	34741.8	211.5	408.2		619.6	823.2		
48	303C9												0	12112.9	192.1	369.6		561.7	817.5		
49	303C1														0.0	440.0		440.0	879.7		
50	303C3	25208.7	0	24664.5	0	25330.7							0	25068	277.4	272.7		550.0	880.4		
51	303C6														0.0						
52	318C2	113257.2	0	120466.6	0	110884.6							0	114869.5	200.7			200.8	265.1		
53	473C1														207.5			207.5	265.1		
54	319D6	143248.1	0	155536.3	0	157139.5							0	153200.6	322.2	144.5		466.7	673.8		
55	319D9	7944.4	0	7936.7	0	17042.3							0	10974.5	216.4	243.8		460.2	629.1		
56	319D1																				
57	319D2																				
58	319C1												0	198676.4	332.0	88.0		420.0	704.6		
59	322C8	141742.8		120907		123691.5							0	128780.4	130.3			130.3	161.4		
60	322C1						0	152606.5	0	134935.9	0	118366.8	0	135303.1	141.8			141.8	210.6		
61	323B1															110.4			110.4	232.9	

Data Summary: Cement Kilns, Semi Volatile Metals

	2	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	205
2	Cond ID	Thermal Emission Rating			SVM HW Thermal Emiss (lb/10 <sup>12</sup> Btu)														SVM in HW (lb/10 <sup>9</sup> Btu)													
3	Number	Camp No	Rating	Rating	R1		R2		R3		R4		R5		R6		Cond Avg	R1		R2		R3		R4		R5		R6		Cond Avg		
4				Comments																												
5																																
6	200C10	1	IB		0	29.65	0	14.54	0	36.31							0	26.83	0.0	229.21	0.0	213.78	0.0	300.96							247.98	
7	200C11	1	CT		0	41.06	0	84.26	0	144.80							0	90.04	0.0	484.94	0.0	808.08	0.0	1,460.95							917.99	
8	200C4	2	NA		0	29.35	0	27.62									0	28.48	0.0	291.41	0.0	283.11	0.0								287.26	
9	200C5	2	NA		0	15.48	0	27.95									0	21.72	0.0	394.16	0.0	525.51									459.84	
10	200C1	3	NA		0	55.79	20	105.01	0	102.29	0	91.28					6	88.59	0.0	393.86	0.0	195.02	0.0	259.00	0.0	537.24					346.28	
11	201C10	1	CT		0	33.54	0	38.41	0	35.18							0	35.71	0.0	337.74	0.0	287.18	0.0	349.58							324.83	
12	201C11	1	IB		0	32.08	0	30.23	0	36.72							0	33.01	0.0	469.04	0.0	372.25	0.0	372.03							404.44	
13	201C1	2	NA	R4 PM outlier (	97	324.50	0	107.87	0	64.41							71	165.59	0.0	86.38	0.0	390.14	0.0	163.94	0.0	476.91						279.34
14	201C2																															
15	203C10	1	CT	R3 ESP offline	0	7.23	0	9.82									0	8.53	0.0	163.28	0.0	161.21	0.0								162.25	
16	203C5	2	CT		100	3.03	95	3.01	93	3.10							96	3.05	0.0	154.42	0.0	206.62	0.0	189.32							183.45	
17	203C2																															
18	203C4																															
19	203C1	5	CT		0	903.27	0	1,407.96	0	1,130.61							0	1147.28	0.0	368.00	0.0	372.61	0.0	312.53							351.05	
20	204B2																															
21	204B3	1	CT		0	1,550.36	0	1,194.50	0	1,225.89							0	1323.59	0.0	420.38	0.0	418.37	0.0	415.02							417.92	
22	204C1	2	CT		0	1,188.47	0	609.81	0	351.19							0	716.49	0.0	350.53	0.0	249.22	0.0	285.00							294.92	
23	207C11																															
24	207C12	1	IB		0	238.17	0	316.47	0	229.62							0	261.42	0.0	70.68	0.0	78.87	0.0	84.20							77.92	
25	207C10	2	CT		0	1,039.33	0	1,619.10	0	1,835.55							0	1497.99	0.0	210.04	0.0	235.82	0.0	235.85							227.24	
26	207C3																															
27	207C1	4	CT		0	1,392.22	0	994.22	0	951.78	0	659.64					0	999.47	0.0	172.71	0.0	169.79	0.0	183.87	0.0	160.81					171.80	
28	207C2	4	IB		0	1,115.03	0	721.15	0	326.35	0	189.16	0	113.87	0	58.22	0	420.63	0.0	163.46	0.0	102.12	0.0	223.83	0.0	132.11					155.38	
29	208C10	1	CT		0	687.21	0	873.16	0	1,028.64							0	863.00	0.0	189.93	0.0	184.76	0.0	252.41							209.03	
30	208C11																															
31	208C3																															
32	208C1	2	IB		0	158.50	0	153.84	0	193.50	0	291.82					0	199.42	0.0	61.98	0.0	120.92	0.0	68.17	0.0	77.18					82.06	
33	208C2	2	CT		0	517.64	0	270.36	0	327.55	0	246.06	0	244.61	0	112.31	0	286.42	0.0	85.93	0.0	42.09	0.0	48.21	0.0	57.39	80.94	59.35		62.32		
34	228C12																															
35	228C2	1	CT				0	299.55			0	232.23		1	261.06	0	264.28				134.82		130.38					113.45			126.22	
36	228C6																															
37	228C7																															
38	300C11	1	CT		0	1,301.45	0	879.91	0	974.00							0	1051.79	0.0	149.41	0.0	148.70	0.0	148.44							148.85	
39	300C13																															
40	300C2	2	CT		0	6,152.04	0	3,483.08	0	1,259.84	0	862.16					0	2939.28	0.0	552.84	0.0	572.30	0.0	654.82	0.0	594.18					593.54	
41	300C6																															
42	300C7																															
43	302C10	1	CT		0	12.63	0	9.88	0	0.95							0	7.82	0.0	162.13	0.0	158.30	0.0	161.79							160.74	
44	302C12																															
45	302C3	2	NA	APCS modific	0	882.58	0	1,133.95	0	876.13							0	964.22	0.0	166.31	0.0	189.85	0.0	134.46							163.54	
46	302C1	3	NA	APCS modified							0	709.99	0	3,117.92	0	873.02	0	1566.98						0.0	353.20	0.0	399.16	0.0	380.75		377.70	
47	303C7	1	CT														0	16.21														112.68
48	303C9	1	NA	Normal													3	3.38														44.74
49	303C1																															
50	303C3	2	CT		0	42.26	0	68.40	0	71.96							0	60.87	0.0	65.80	0.0	68.02	0.0	67.05							66.95	
51	303C6																															
52	318C2	1	CT		0	134.10	0	170.94	0	107.57							0	137.54	0.0	127.23	0.0	133.93	0.0	125.94							129.03	
53	473C1	1	NA	Data in lieu	0	10.17	0	69.83	0	13.56							0	31.19	0.0	242.57	0.0	216.35	0.0	287.28							248.73	
54	319D6	1	CT		0	1,832.78	0	1,782.43	0	1,745.89							0	1787.03	0.0	266.83	0.0	275.61	0.0	262.87							268.44	
55	319D9	1	NA	Normal	0	399.28	0	314.57	0	333.04							0	348.96	0.0	22.22	0.0	19.65	0.0	36.53							26.13	
56	319D1																															
57	319D2																															
58	319C1	2	CT														0	1,209.02														358.99
59	322C8	1	CT		0	375.46	0	377.40	0	326.16							0	359.68	0.0	143.00	0.0	129.02	0.0	127.17							133.06	
60	322C1	2	CT								0	181.99	0	200.02	0	212.92	0	198.31							0.0	211.71	0.0	185.61	0.0	156.68		184.66
61	323B1																															



Data Summary: Cement Kilns, Semi Volatile Metals

	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	323	323B2	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
63	323	323C9	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
64	323	323B3	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
65	323	323C1	LAFARGE	FREDONIA	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, sludge	No	No	No	Comm	No
66	403	403C10	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
67	403	403C3	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
68	403	403C1	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq and solid	No	No	No	Comm	No
69	404	404C10	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
70	404	404C4	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
71	404	404C1	Ash Grove Cement Company	Foreman	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
72	473	473C1	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
73	491	300C11	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
74	491	300C13	Essroc	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
75	491	491C1	Essroc Corporation	Logansport	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq, solid	No	No	No	Comm	No
76	680	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
77	680	200C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
78	680	680C1	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
79	681	200C10	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
80	681	200C11	Giant Cement	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
81	681	681C1	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
82	681	681C2	Giant Cement Company	Harleyville	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
83	3029	3029C11	Lone Star	Greencastle	Cement kiln	Cement Kiln	Semi-dry, short, p	ESP (main), FF (bypass)	Yes	on	Liq	No	No	No	Comm	No
84	3030	3030C1	TXI	Midlothian	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
85	3030	473C1	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
86	3031	3031C1	ASH GROVE CEMENT COMPAN	CHANUTE	Cement kiln	Cement Kiln	Preheater/precalc	FF (main), FF (bypass)	Yes	on		No	No	No	Comm	No
87	3031	3031C2	ASH GROVE CEMENT COMPAN	CHANUTE	Cement kiln	Cement Kiln	Preheater/precalc	FF (main), FF (bypass)	Yes	off		No	No	No	Comm	No
88	302A	302C10	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
89	302A	302C12	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
90	302A	302C3	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
91	302A	302C1	Lafarge	Paulding	Cement kiln	Cement Kiln	Wet, long	FF	No		Liq	No	No	No	Comm	No
92	473A	473C1	Texas Industries Inc.	Midlothian	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
93																
94																
95	Sources Shutdown or No Longer Burning Hazardous Wastes															
96	205	205C10	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
97	205	205C5	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
98	205	205C7	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
99	205	205C1	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
100	206	206C10	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
101	206	206C5	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No
102	206	206C1	Holcim (US) Inc	Holly Hill	Cement kiln	Cement Kiln	Wet, long	ESP	No		Liq	No	No	No	Comm	No

Data Summary: Cement Kilns, Semi Volatile Metals

	2	20	21	22	23	25	26	30	31	32	
2	Cond ID	Condition Information			Spiking		Tier		SVM Emissions		
3	Number	Cond	Cond Description	Pb	Cd	Pb	Cd	Campaign	Rating	Rating Comments	
4		Dates						Number			
62	323B2	2/1/1995	HIGH CHLORINE, LOW ESP INLET TEMPERATURE	UL	UL			1	NA	Not evaluated: demonstration testing	
63	323C9	2/1/1995	HIGH CHLORINE, HIGH ESP INLET TEMPERATURE	UL	UL			1	NA	Not evaluated: demonstration testing	
64	323B3	9/1/1995	CoC, MAX OPERATING CONDITIONS	Y	Y	3	3	2	CT		
65	323C1	5/1/1992	CoC, MAX PROD,MAX HW FEED,MAX COMB TEMP,MAX ESP TEMP	Y	Y	3	3	3	CT		
66	403C10	12/1/1997	Trial burn: Max comb temp, max metals, chlorine, raw material feedrate, 4 runs	Y	Y	3	3	1	CT		
67	403C3	11/1/1994	CoC, HIGH COMB TEMP, HIGH CL FEED, HIGH HW FEED	Y	Y	3	3	2	CT		
68	403C1	5/1/1992	CoC, HIGH COMB TEMP, MIN ESP POWER	L	L	3	3	3	CT		
69	404C10	1/1/1998	Trial burn: Max comb temp, max metals, chlorine, raw material feedrate, max APCD temp, nY	Y	Y	3	3	1	CT		
70	404C4	1/17/1995	CoC, MAX FEED, PRODUCTION, CHLORINE, & COMB. TEMP. MIN ESP POWER	L	L	3	3	2	CT		
71	404C1	7/1/1992	CoC, HIGH COMB TEMP, MIN ESP POWER	Y	Y	3	3	3	CT		
72	473C1	6/8/1995	CoC, METALS MODE, HIGH COMB TEMP	L	L	3	3	1	CT		
73	300C11	10/1/1998	CoC; Max operating temp, max temp, feedrates	Y	Y	3	3	1	NA	Data in lieu	
74	300C13	10/1/1998	Risk burn, normal operations	U	U			1	NA	Data in lieu	
75	491C1	5/1/1995	CoC, MAX COMB TEMP, MAX METALS/CL FEED, MAX APCD TEMP	L	L	3	3	2	CT	Data from source 300 currently represents this kiln	
76	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate	Y	Y	3	3	1	NA	Data in lieu	
77	200C11	9/1/1998	CoC, Min dp on FF	Y	Y	3	3	1	NA	Data in lieu	
78	680C1	11/11/1993	?	L	L	3	3	2	NA	Older APCS. Data from source 200 currently represents	
79	200C10	9/1/1998	CoC, Max operating mode waste feed, temp, prod rate	Y	Y	3	3	1	NA	Data in lieu	
80	200C11	9/1/1998	CoC, Min dp on FF	Y	Y	3	3	1	NA	Data in lieu	
81	681C1	11/10/1993	State of South Carolina emissions testing requirements	L	L	3	3	2	NA	Older APCS. Data from source 200 currently represents	
82	681C2	6/5/1991	State of South Carolina emissions testing requirements, pre-BIF	L	L	3	3	3	NA	pre BIF rule data	
83	3029C11	12/1/2000	CoC	Y	Y	3	3	1	CT	ILRM on	
84	3030C1	3/1/2001	Periodic air emissions evaluation	U				1	N		
85	473C1	6/8/1995	CoC, METALS MODE, HIGH COMB TEMP	L	L	3	3	2	NA	Data from sister kiln 473	
86	3031C1	12/1/2001	Comp Perf Test, raw mill on	Y	N	3	3	1	NA	Feedrate extrapo used to set limits; <a href="#">MACT New Source</a> ;	
87	3031C2	3/1/2002	Comp Perf Test, raw mill off	Y	N	3	3	1	NA	Feedrate extrapo used to set limits; <a href="#">MACT New Source</a> ;	
88	302C10	5/1/1998	CoC; high temperature, max metals, prod rate, waste feed	Y	Y	3	3	1	NA	Data in lieu	
89	302C12	5/1/1998	Risk burn, normal operations	N				1	NA	Data in lieu	
90	302C3	7/1/1995	CoC, MAX OPERATING CONDITIONS	L	L	3	3	2	NA	Not evaluated: APCS since modified; data in lieu	
91	302C1	6/1/1992	CoC, MAX COMB TEMP, MIN ESP POWER, MAX PROD	L	L	3	3	3	NA	Not evaluated: APCS since modified; data in lieu	
92	473C1	6/8/1995	CoC, METALS MODE, HIGH COMB TEMP	L	L	3	3	1	NA	Data from sister kiln 473	
93											
94											
95	shutdown or Nc										
96	205C10	1/1/2000	Max comb temp, max metals, max chlorine, max prod rate	Y	Y	3	3	1	CT		
97	205C5	6/1/1995	ReCoC, HIGH COMB TEMP, HIGH METALS FEED, HIGH CHLORINE	Y	Y	3	3	2	CT		
98	205C7	6/1/1995	NORMAL WASTE FUEL OPERATIONS	N				3	N		
99	205C1	6/1/1992	CoC, MAX COMB TEMP	L	L	3	3	4	CT		
100	206C10	11/1/1999	Max comb temp, max metals, max chlorine, max prod rate, max waste	Y	Y	3	3	1	CT		
101	206C5	5/1/1995	CoC, MAX COMB TEMPS AND MAX METALS/CHLORINE FEED RATES	Y	Y	3	3	2	CT		
102	206C1	7/1/1992	CoC, MAX COMB TEMP	Y	Y	3	3	3	CT		

Data Summary: Cement Kilns, Semi Volatile Metals

	2	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	57	58	61	62	63
2	Cond ID	Stack Gas Emissions (ug/dscm) (ND% of total)																		SVM SRE		
3	Number	R1		R2		R3		R4		R5		R6		R7		R8		Cond Avg	Campaign	Rating	Comment	
4		ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	ND	Emiss	Number		
5																						
62	323B2		260		52		154												156	1	NA	Not evaluated: demonstration testing
63	323C9		30		34		40												34	1	NA	Not evaluated: demonstration testing
64	323B3		487		519		366												458	2	CT	
65	323C1								838		713		1,318						956	3	CT	
66	403C10		1,897		3,564		2,952		2,918										2,833	1	CT	
67	403C3	96	934		1,303		1,682	95	1,018									38	1,234	2	CT	
68	403C1	100	673	100	901	100	826	100	1,613									100	1,003	3	CT	
69	404C10		139		151		156		164										152	1	CT	
70	404C4		76		69		87		93										81	2	CT	
71	404C1	100	66	100	67	100	60	100	49	100	51	100	50					100	57	3	CT	
72	473C1	63	9		63		14											7	29	1	CT	
73	300C11		1,203		886		950												1,013	1	NA	
74	300C13		464		437		675												525			
75	491C1		954		1,012		878												948	1	CT	Data from source 300 currently represents c
76	200C10		31		15		29												25	1	NA	
77	200C11		32		38		36												35	1	NA	
78	680C1	this ki	249		322		386												319			
79	200C10		31		15		29												25	1	NA	
80	200C11		32		38		36												35	1	NA	
81	681C1	this ki	352		777		1,624												918			
82	681C2		86		127		71												95			
83	3029C11		3		3		3												3	1	CT	
84	3030C1		2		1		2												2			
85	473C1		9		63		14												29	1	NA	
86	3031C1	data n	0		0		0												0	1	IB	
87	3031C2	data n	1		0		0												0	1	CT	
88	302C10		11		9		1												7	1	NA	
89	302C12		1		1		2												1			
90	302C3		1,148		1,409		1,350												1,302	2	NA	Not evaluated: APCS since modified
91	302C1								780		3,402		985						1,722	3	NA	Not evaluated: APCS since modified
92	473C1		9		63		14												29	1	NA	
93																						
94																						
95	shutdown or Nc																					
96	205C10		205		231		254												230	1	CT	
97	205C5		86		74		67												76	2	CT	
98	205C7		30		16		17												21			
99	205C1		546		1,413		1,522												1,160	4	CT	
100	206C10		942		2,301		3,525												2,256	1	CT	
101	206C5		475		447		625												515	2	CT	
102	206C1		240		321		267												276	3	CT	

Data Summary: Cement Kilns, Semi Volatile Metals

	2	64	65	66	67	68	69	70	71	72	73	74	75	82	83	86	87	88	89	90	91	92	93	94	95	96	97	10	105		
2	Cond ID	SVM SRE (%)														SVM SRE Used For Evaluation Purposes (%)															
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg		R1	R2	R3	R4	R5	R6	Cond Avg															
4																															
5																															
62	323B2	99.3153	99.8746	99.4392											99.5649	99.3153	99.8746	99.4392												99.5649	
63	323C9	99.8967	99.9083	99.8765											99.8944	99.8967	99.9083	99.8765												99.8944	
64	323B3	99.6166	99.6270	99.7296											99.6583	99.6166	99.6270	99.7296												99.6583	
65	323C1				>	99.5677 >	99.5814 >	99.2139 >							99.4608				>	99.5677 >	99.5814 >	99.2139 >							99.4608		
66	403C10	98.9438	98.2854	98.5564											98.6097	98.9438	98.2854	98.5564	98.6947											98.6097	
67	403C3	99.5442	99.3782	99.3317											99.3071	99.5442	99.3782	99.3317	99.3071											99.3928	
68	403C1	>	99.4324 >	99.1133 >	99.4425 >	98.6760									99.1815 >	99.4324 >	99.1133 >	99.4425 >	98.6760											99.1660	
69	404C10	99.9181	99.9118	99.9130											99.9123	99.9181	99.9118	99.9130	99.9187											99.9137	
70	404C4	99.9590	99.9637	99.9549											99.9431	99.9590	99.9637	99.9549	99.9431											99.9556	
71	404C1	>	99.9136 >	99.9200 >	99.9370 >	99.8716 >	99.8342 >	99.8751 >							99.9059 >	99.9136 >	99.9200 >	99.9370 >	99.8716 >	99.8342 >	99.8751 >								99.9059		
72	473C1	99.9958	99.9677	99.9953											99.9877	99.9958	99.9677	99.9953												99.9877	
73	300C11	99.1289	99.4082	99.3439											99.2967	99.1289	99.4082	99.3439												99.2967	
74	300C13																														
75	491C1	99.4969	99.5963	99.6241											99.5780	99.4969	99.5963	99.6241												99.5780	
76	200C10	99.9871	99.9932	99.9879											99.9893	99.9871	99.9932	99.9879												99.9893	
77	200C11	99.9915	99.9896	99.9901											99.9904	99.9915	99.9896	99.9901												99.9904	
78	680C1																														
79	200C10	99.9871	99.9932	99.9879											99.9893	99.9871	99.9932	99.9879												99.9893	
80	200C11	99.9915	99.9896	99.9901											99.9904	99.9915	99.9896	99.9901												99.9904	
81	681C1																														
82	681C2																														
83	3029C11	99.9906	99.9922	99.9913											99.9913	99.9906	99.9922	99.9913												99.9913	
84	3030C1																														
85	473C1	99.9958	99.9677	99.9953											99.9877	99.9958	99.9677	99.9953												99.9877	
86	3031C1	99.9997	99.9997	99.9994											99.9998	99.9997	99.9997	99.9994	99.9998											99.9997	
87	3031C2	99.9996	99.9995												99.9996	99.9996	99.9995		99.9996											99.9996	
88	302C10	99.9922	99.9938	99.9994											99.9952	99.9922	99.9938	99.9994												99.9952	
89	302C12																														
90	302C3	99.4693	99.4027	99.3484											99.4075	99.4693	99.4027	99.3484												99.4075	
91	302C1				>	99.7990 >	99.2189 >	99.7707 >							99.5877				>	99.7990 >	99.2189 >	99.7707 >							99.5877		
92	473C1	99.9958	99.9677	99.9953											99.9877	99.9958	99.9677	99.9953												99.9877	
93																															
94																															
95	Shutdown or Nc																														
96	205C10	99.8359	99.8087	99.7856											99.8104	99.8359	99.8087	99.7856												99.8104	
97	205C5	99.9406	99.9469	99.9500											99.9457	99.9406	99.9469	99.9500												99.9457	
98	205C7																														
99	205C1	99.6008	98.9634	99.0036											99.1825	99.6008	98.9634	99.0036												99.1825	
100	206C10	99.4074	98.6145	98.0203											98.6521	99.4074	98.6145	98.0203												98.6521	
101	206C5	99.6579	99.7138	99.6128											99.6611	99.6579	99.7138	99.6128												99.6611	
102	206C1	99.8634 >	99.8146 >	99.8386											>	99.8389	99.8634 >	99.8146 >	99.8386											>	99.8389

Data Summary: Cement Kilns, Semi Volatile Metals

	2	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	138	139	140	
2	Cond ID	SVM Feedrate MTEC Cond Avg (ug/dscm)						SVM Feedrate Total (ug/dscm)															
3	Number	HW	Spike	RM	Coal	Misc Fuel	Total	ND	R1	ND	R2	ND	R3	ND	R4	ND	R5	ND	R6	ND	Cond Avg	ND	
4																							
5																							
62	323B2	29,718		6,029			35,747		37,983		41,756		27,501									35,747	0
63	323C9	18,727		13,843			32,570		28,883		36,721		32,106									32,570	0
64	323B3	25,457	100,241	16,480			133,937		127,089		139,171		135,550									133,937	0
65	323C1	61,210	111,345	4,999			177,554						0	194,138	0	170,556	0	167,970	0			177,554	0
66	403C10	2,387	198,994	2,134	24	213	203,752		179,578		207,878		204,501		223,525							203,752	0
67	403C3	15,667	202,244	906	123		203,273		204,831		209,542		251,722		146,998							203,273	0
68	403C1		122,345	1,401	147		123,894	1	119,823	1	103,016	1	149,439	1	123,295					1		123,894	0
69	404C10	203	174,440	1,586	92	233	176,554		169,589		171,000		178,978		186,672							176,554	0
70	404C4	12,228	167,935	924	1,402		182,489		184,181		188,920		193,405		163,450							182,489	0
71	404C1	59,058	1,626	1,891	219		62,794	2	77,874	2	85,340	2	97,464	6	40,750	6	32,844	5	42,493	3		62,794	0
72	473C1	232,366					232,366		214,532		195,486		287,081									232,366	0
73	300C11	32,202	93,966	17,745		100	144,013		138,057		149,681		144,788									144,013	0
74	300C13																						
75	491C1	84,182	101,601	2,851			224,589		189,549		250,596		233,621		80,834							224,589	0
76	200C10	6,206	222,980	1,008	57		230,252		239,206		215,567		237,407									230,252	0
77	200C11	1,377	366,348	706	151		368,583		377,855		367,109		361,112									368,583	0
78	680C1																						
79	200C10	6,206	222,980	1,008	57		230,252		239,206		215,567		237,407									230,252	0
80	200C11	1,377	366,348	706	151		368,583		377,855		367,109		361,112									368,583	0
81	681C1																						
82	681C2																						
83	3029C11	4,819	28,157	1,871	1,112		35,959		34,479		36,006		37,485									35,959	0
84	3030C1																						
85	473C1	232,366					232,366		214,532		195,486		287,081									232,366	0
86	3031C1								144,639		117,573		57,579		61,509							95,325	
87	3031C2								120,953		97,473				84,535							100,987	
88	302C10	9,995	130,487	1,459			141,941		141,756		137,015		147,326									141,941	0
89	302C12																						
90	302C3	10,421	209,352				219,772		216,237		235,918		207,162									219,772	0
91	302C1		416,861	1,747			418,608							0	388,858	0	436,390	0	430,575	0		418,608	0
92	473C1	232,366					232,366		214,532		195,486		287,081									232,366	0
93																							
94																							
95	Shutdown or Nc																						
96	205C10	2,293	98,986	19,882	145		121,305		124,799		120,834		118,420									121,305	
97	205C5		135,842	3,474	468		139,784		145,499		139,122		134,730									139,784	
98	205C7																						
99	205C1	15,292	122,921	3,527	193		141,933		136,759		136,299		152,742									141,933	
100	206C10	9,374	151,930	5,918	160		167,383		159,001		166,114		178,051									167,383	
101	206C5		147,920	3,727	412		152,059		138,874		156,025		161,278									152,059	
102	206C1	13,880	152,341	5,502	180		171,902		175,973	0	173,780	0	165,953								0	171,902	

Data Summary: Cement Kilns, Semi Volatile Metals

	2	141	142	143	144	145	146	147	148	149	150	151	164	165	166	167	168	169	170
2	Cond ID	SVM HW + Spike Feedrate (ug/dscm)													Thermal Feed Cond Avg (MMBtu/hr)				
3	Number	R1	R2	R3	R4	R5	R6	Cond Avg					HW	Coal	MF	Total	Est Tot		
4		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						
5																			
62	323B2	30693.2	0	35404.3	0	23055.9							0	29717.8	166.7			166.7	211.9
63	323C9	15717.6	0	21371.3	0	19091.5							0	18726.8	170.0			170.0	230.6
64	323B3	119963.6	0	129219	0	127908.2							0	125697	200.3			200.3	239.6
65	323C1							0	189001.6	0	164814.8	0	163848.8	0	172555	204.0		204.0	257.0
66	403C10	176912.3	0	205435.4	0	202303.5	0	221356.5	0	201381.4	233.8		0	201381.4	233.8	55.9	26.2	317.8	315.2
67	403C3	208503.6	0	212289.4	0	300606.6	0	150242.8	0	217910.6	406.9		0	217910.6	406.9	58.2		465.1	323.9
68	403C1	118297.5	0	101494.8	0	147945.9	0	121642.8	0	122345.2	222.3	106.9		122345.2	222.3	106.9		329.1	303.0
69	404C10	168357.1	0	169191.8	0	176706.4	0	184347.3	0	174643	248.3		0	174643	248.3	97.4	41.2	384.4	450.1
70	404C4	178517.2	0	187552.9	0	192278.4	0	162303.1	0	180162.9	280.0		0	180162.9	280.0	126.0		402.0	464.2
71	404C1	76190.4	0	83320.2	0	95549	0	38275.5	0	30586.6	0	40182.3	0	60684.1	235.6	181.8		417.4	456.9
72	473C1	214532.1	0	195485.8	0	287081.3							0	232366.4	207.5			207.5	265.1
73	300C11	121147.8	0	131068	0	126704.8							0	126168.1	218.6		1.9	220.5	298.9
74	300C13														194.6		19.0	213.7	294.2
75	491C1	186974.5	0	247517.5	0	230916.6	0	77721.5					0	185782.5	228.8		25.7	242.3	343.9
76	200C10	238074.4	0	214593.8	0	236307.3							0	229186.2	168.3	15.2		185.8	211.2
77	200C11	376969.6	0	366229.7	0	360303.1							0	367725.4	52.9	15.2		68.1	126.9
78	680C1																		
79	200C10	238074.4	0	214593.8	0	236307.3							0	229186.2	168.3	15.2		185.8	211.2
80	200C11	376969.6	0	366229.7	0	360303.1							0	367725.4	52.9	15.2		68.1	126.9
81	681C1																		
82	681C2																		
83	3029C11	31414.5	0	33159	0	34444.1							0	32976	273.2	496.6		772.2	1,177.9
84	3030C1																		
85	473C1	214532.1	0	195485.8	0	287081.3							0	232366.4	207.5			207.5	265.1
86	3031C1															343.2		326.9	1,037.5
87	3031C2																	479.4	960.8
88	302C10	140400	0	135620.9	0	145691.7							0	140482.2	190.7			190.7	262.7
89	302C12														184.3			184.3	257.8
90	302C3	216236.8	0	235917.6	0	207161.9							0	219772.2	165.3			165.3	141.1
91	302C1							0	386839.4	0	434572.3	0	429172.3	0	416861.3	179.5		179.5	195.6
92	473C1	214532.1	0	195485.8	0	287081.3							0	232366.4	207.5			207.5	265.1
93																			
94																			
95	Shutdown or Nc																		
96	205C10														208.9	100.5		309.0	437.7
97	205C5														163.0	146.3		309.3	390.6
98	205C7														0.0				
99	205C1														173.0	74.2		247.2	407.7
100	206C10														361.5	221.1		582.7	749.4
101	206C5														324.3	204.7		529.0	717.2
102	206C1														252.1	206.6		458.8	622.5

Data Summary: Cement Kilns, Semi Volatile Metals

	2	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	205	
2	Cond ID	Thermal Emission Rating		SVM HW Thermal Emiss (lb/10 <sup>12</sup> Btu)															SVM in HW (lb/10 <sup>9</sup> Btu)														
3	Number	Camp No	Rating	Rating	R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3		R4		R5		R6		Cond Avg		
4				Comments																													
5																																	
62	323B2	1	NA	Demo testing	0	204.32	0	48.70	0	147.78							0	133.60	0.0	29.84	0.0	38.84	0.0	26.35								31.68	
63	323C9	1	NA	Demo testing	0	19.01	0	21.06	0	27.86							0	22.64	0.0	18.40	0.0	22.96	0.0	22.56								21.31	
64	323B3	2	CT		0	478.95	0	473.66	0	340.82							0	431.14	0.0	124.93	0.0	126.98	0.0	126.06								125.99	
65	323C1	3	CT						0	904.83	0	687.69	0	#####	0	1006.58								0.0	209.31	0.0	164.29	0.0	181.55			185.05	
66	403C10	1	CT		0	2,046.97	0	3,883.62	0	3,576.81	0	3,138.85					0	3161.56	0.0	193.80	0.0	226.50	0.0	247.77	0.0	240.47						227.14	
67	403C3	2	CT		96	552.35	0	851.19	0	1,369.08	95	810.35					38	895.74	0.0	121.19	0.0	136.89	0.0	204.85	0.0	116.96						144.97	
68	403C1	3	CT		100	1,002.31	100	1,185.06	##	1,017.85	##	1,827.32					##	1258.13	0.0	176.59	0.0	133.64	0.0	182.59	0.0	138.01						157.71	
69	404C10	1	CT		0	199.48	0	226.08	0	234.15	0	257.20					0	229.23	0.0	243.49	0.0	256.46	0.0	269.17	0.0	293.23						265.59	
70	404C4	2	CT		0	119.42	0	93.64	0	128.73	0	110.75					0	113.14	0.0	291.15	0.0	257.69	0.0	285.70	0.0	194.49						257.26	
71	404C1	3	CT		100	102.42	100	111.39	##	92.75	##	85.32	100	84.25	100	82.92	##	93.18	0.0	118.53	0.0	139.25	0.0	147.32	0.0	66.47	0.0	50.81	0.0	66.37			98.13
72	473C1	1	CT		63	10.17	0	69.83	0	13.56							7	31.19	0.0	242.57	0.0	216.35	0.0	287.28								248.73	
73	300C11	1	NA	Data in lieu	0	1,301.45	0	879.91	0	974.00							0	1051.79	0.0	149.41	0.0	148.70	0.0	148.44								148.85	
74	300C13																																
75	491C1	1	CT		0	1,322.72	0	1,133.20	0	1,150.47							0	1202.13	0.0	262.90	0.0	280.70	0.0	306.05								283.22	
76	200C10	1	NA	Data in lieu	0	29.65	0	14.54	0	36.31							0	26.83	0.0	229.21	0.0	213.78	0.0	300.96								247.98	
77	200C11	1	NA	Data in lieu	0	41.06	0	84.26	0	144.80							0	90.04	0.0	484.94	0.0	808.08	0.0	1,460.95								917.99	
78	680C1																																
79	200C10	1	NA	Data in lieu	0	29.65	0	14.54	0	36.31							0	26.83	0.0	229.21	0.0	213.78	0.0	300.96								247.98	
80	200C11	1	NA	Data in lieu	0	41.06	0	84.26	0	144.80							0	90.04	0.0	484.94	0.0	808.08	0.0	1,460.95								917.99	
81	681C1																																
82	681C2																																
83	3029C11	1	CT		0	12.21	0	8.71	0	9.43							0	10.12	0.0	129.33	0.0	111.28	0.0	108.40								116.34	
84	3030C1																																
85	473C1	1	NA	Data in lieu	0	10.17	0	69.83	0	13.56							0	31.19	0.0	242.57	0.0	216.35	0.0	287.28								248.73	
86	3031C1	1	NA	Feedrate extrapolated																													
87	3031C2	1	NA	Feedrate extrapolated																													
88	302C10	1	NA		0	12.63	0	9.88	0	0.95							0	7.82	0.0	162.13	0.0	158.30	0.0	161.79								160.74	
89	302C12																																
90	302C3	2	NA		0	882.58	0	1,133.95	0	876.13							0	964.22	0.0	166.31	0.0	189.85	0.0	134.46								163.54	
91	302C1	3	NA								0	709.99	0	3,117.92	0	873.02	0	1566.98						0.0	353.20	0.0	399.16	0.0	380.75			377.70	
92	473C1	1	NA		0	10.17	0	69.83	0	13.56							0	31.19	0.0	242.57	0.0	216.35	0.0	287.28								248.73	
93																																	
94																																	
95	Shutdown or No																																
96	205C10	1	CT			354.33		282.99		406.02								347.78		215.89		147.91		189.38								184.39	
97	205C5	2	CT			158.98		140.07		134.39								144.48		267.85		263.74		268.59								266.73	
98	205C7																																
99	205C1	4	CT			1,072.54		2,955.92		3,092.81								2373.76		268.66		285.15		310.41								288.07	
100	206C10	1	CT			1,644.03		3,842.73		5,504.75								3663.84		277.42		277.36		278.06								277.61	
101	206C5	2	CT			776.01		884.71		1,093.08								917.93		226.83		309.15		282.29								272.76	
102	206C1	3	CT			449.28		635.10		581.85								555.41		328.92		342.48		360.57								343.99	