

	B	C
1	Source Description	
2		
3	Phase I ID No.	207
4	EPA ID No.	PAD002389559
5	Facility Name	Keystone
6	Facility Location	
7	City	Bath
8	State	PA
9	Unit ID Name/No.	Kiln No. 1
10	Other Sister Facilities	
11	Number of Sister Facilities	0
12	Combustor Class	Cement kiln (CK)
13	Combustor Type	Wet, long
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	
16	APCS Detailed Acronym	ESP
17	APCS General Class	ESP
18	APCS Characteristics	2 fields, 2 in parallel?, SCA = 288
19	Hazardous Wastes	Liq, sludge
20	Haz Waste Description	
21	Supplemental Fuel	Coal
22		
23	Stack Characteristics	
24	Diameter (ft)	7.8
25	Height (ft)	170.0
26	Gas Velocity (ft/sec)	9.1
27	Gas Temperature (°F)	312.9
28		
29	Permitting Status	Tier I for Hg, Ag, Tl, Sb, and Ba; Tier III for Pb, As, Be, Cd, and Cr
30	HWC Burn Status (Date if Terminated)	Y

	B	C
1	Condition Description	
2		
3	207C10	
4		
5	Report Name/Date	BIF Recertification of Compliance, Number 1 Kiln, Keystone Cement Company, Bath, Pennsylvania, November 6, 1998
6	Report Prepare	Roy F Weston
7	Testing Firm	Roy F Weston
8	Testing Dates	September 25, 1998
9	Cond Dates	Sep-98
10	Condition Descr	CoC; max metals, chlorine, waste, slurry, min ESP power
11	Content	PM, metals, HCl/Cl2, CO, PCDD/F
12		
13	207C11	
14		
15	Report Name/Date	RCRA Trial Burn Test Report, Keystone Cement Company, Kilns No. 1 and No. 2, Bath, PA, Test Dates: 7-10 December 1999, April 2000
16	Report Prepare	R.F. Weston
17	Testing Firm	R.F. Weston
18	Testing Dates	December 7-10, 1999
19	Cond Dates	Dec-99
20	Condition Descr	Trial burn; Low temp POHC DRE, PCDD/PCDF
21	Content	POHC DRE, PCDD/PCDF, PM, HCl/Cl2, HC
22		
23	207C12	
24		
25	Report Name/Date	BIF Recertification of Compliance, Cement Kiln No. 1, W. O. No. 02329.030.001, October 4, 2000
26	Report Prepare	R.F. Weston
27	Testing Firm	R.F. Weston
28	Testing Dates	August 30, 2000
29	Cond Dates	Aug-00
30	Condition Descr	CoC, max metals, waste, slurry
31	Content	PM, metals, HCl/Cl2, D/F, CO
32		
33	Comments	
34	Condition 10	
35	Mercury was spiked. Hg stack gas measurements taken, although not reported in main report	
36	Complied with Hg under Tier I	
37		
38	207C1	
39		
40	Report Name/Date	BIF Compliance Certification, Cement Kiln Number One, Keystone Cement, Bath PA, August 1992, Amendments submitted January 1993
41	Report Prepare	Roy F. Weston
42	Testing Firm	Roy F. Weston
43	Cond Descr	CoC, MAX PROD, MAX TIER III SPIKE, MAX SLURRY FEED
44	Testing Dates	
45	Cond Dates	Jan-93
46		
47	207C2	
48		
49	Report Name/Date	BIF Compliance Certification, Cement Kiln Number One, Keystone Cement, Bath PA, August 1992, Amendments submitted January 1993
50	Report Prepare	Roy F. Weston
51	Testing Firm	Roy F. Weston
52	Cond Descr	CoC, MAX PROD, >25% TIER III SPIKE, MAX SLURRY FEED
53	Testing Dates	
54	Cond Dates	Jan-93
55		
56	207C3	
57		
58	Report Name/Date	Keystone Cement Company, Bath, Pennsylvania, Source Emissions Compliance Test Report, Test Dates October 28 - November 1, 1996, January 1997, Work Order No. 0239-019-001
59	Report Prepare	Roy F. Weston
60	Testing Firm	Roy F. Weston
61	Cond Descr	purpose of testing not clear
62	Testing Dates	October 31 - November 1, 1996
63	Cond Dates	Jan-93

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions 1											
2												
3												
4	207C10	Max comb temp, max metals, ¹				R1		R2		R3		Cond Avg
5												
6	PM	E1	gr/dscf	y		0.0268		0.026		0.0299		0.0276
7												
8	CO (MHRA)	E1	ppmv	y		27		28		28		27.7
9												
10	HCl		ppmv			2.48		8.66		11.32		
11	Cl2		ppmv		nd	0.2		0.31		0.28		
12												
13	HCl	E1	ppmv	y		3.9		13.6		17.2		11.6
14	Cl2	E1	ppmv	y	nd	0.3		0.5		0.4		0.4
15	Total Chlorine	E1	ppmv	y	14	4.5		14.6		18.1	2	12.4
16												
17	Arsenic	E2	ug/dscm	y		1.0		0.8		0.7		0.8
18	Cadmium	E2	ug/dscm	y		96.4		147.8		176.4		140.2
19	Beryllium	E2	ug/dscm	y		0.3		0.2		0.2		0.2
20	Lead	E2	ug/dscm	y		547.0		778.0		838.6		721.2
21	Chromium	E2	ug/dscm	y		15.8		16.5		24.9		19.1
22	Chromium (Hex)	E2	ug/dscm	y		0.6	nd	0.1		0.0		0.2
23	Mercury	E2	ug/dscm	y		112.4		132.0		147.0		130.5
24												
25	SVM	E2	ug/dscm	y		643.4		925.8		1015.0		861.4
26	LVM	E2	ug/dscm	y		17.1		17.5		25.8		20.1
27												
28	Sampling Train	PM, HCl E1										
29	Stack Gas Flowrate		dscfm			48726		49049		48011		48595
30	O2		%			12.1		12.1		11.8		12.0
31	Moisture		%			24.1		24.6		25.1		24.6
32	Temperature		°F			338		339		339		338.7
33												
34	Sampling Train	Metals E2										
35	Stack Gas Flowrate		dscfm			48519		48203		48243		48322
36	O2		%			12.1		12.1		11.8		12.0
37	Moisture		%			22.7		24.2		24.5		23.8
38	Temperature		°F			338		338		341		339.0
39												
40	207C11					R1		R2		R3		Cond Avg
41												
42	HC (RA)	E1	ppmv	y		0.8		0.8		7		2.9
43												
44	PM	E1	gr/dscf	y		0.0124		0.0118		0.0227		0.0156
45												
46	HCl		g/s			0.225		0.359		0.366		
47	Cl2		g/s		nd	0.0057		0.0051		0.0058		
48												
49	HCl	E1	ppmv	y		8.1		11.8		13.0		11.0
50	Cl2	E1	ppmv	y	nd	0.11		0.09		0.11	36	0.1
51	Total Chlorine	E1	ppmv	y	3	8.4		12.0		13.2	1	11.2
52												
53	POHC DRE	PCE (perchloroethylene)										
54	POHC Feedrate		lb/hr			18		18.01		18		
55	Emission Rate	E1	lb/hr		nd	1.10E-03	nd	1.06E-03	nd	1.08E-03		
56	DRE	E1	%		>	99.9939	>	99.9941	>	99.994		
57												
58	POHC DRE	1,2 DCB (Dichlorobenzene)										
59	POHC Feedrate		lb/hr			5.66		5.66		5.66		
60	Emission Rate	E1	lb/hr		nd	6.12E-05	nd	5.98E-05	nd	5.89E-05		
61	DRE	E1	%		>	99.9989	>	99.9989	>	99.999		
62												
63	POHC DRE	TCB (trichlorobenzene)										
64	POHC Feedrate		lb/hr			5.53		5.53		5.53		
65	Emission Rate	E1	lb/hr		nd	6.12E-05	nd	5.98E-05	nd	5.89E-05		
66	DRE	E1	%		>	99.9989	>	99.9989	>	1.00E+02		
67												
68	Sampling Train	PM, HCl E1										
69	Stack Gas Flowrate		dscfm			47054		50899		48828		48927.0
70	O2		%			9.5		9.3		9.7		9.5
71	Moisture		%			21.3		20.8		22.4		21.5

	B	C	D	E	F	G	H	I	J	K	L	M	
72	Temperature		°F			259		253		238		250.0	
73													
74	Sampling Train	PCDD/P E2											
75	Stack Gas Flowrate		dscfm			55590		55562		56340		55830.7	
76	O2		%			9.7		9.5		9.9		9.7	
77	Moisture		%			21.8		20.7		21.9		21.5	
78	Temperature		°F			258		252		237		249.0	
79													
80	Sampling Train	metals	E3										
81	Stack Gas Flowrate		dscfm			47930		50427		48619		48992.0	
82	O2		%			9.5		9.3		9.7		9.5	
83	Moisture		%			21.1		20.5		22.1		21.2	
84	Temperature		°F			260		253		237		250.0	
85													
86	Antimony	E3	ug/dscm	y		3.24		3.81		2.09		3.0	
87	Arsenic	E3	ug/dscm	y	nd	3.72		0.57		0.1	85	1.5	
88	Beryllium	E3	ug/dscm	y	nd	0.053		0.036		0.08	31	0.1	
89	Cadmium	E3	ug/dscm	y		1.78		1.91		1.15		1.6	
90	Chromium	E3	ug/dscm	y		67.56		42.87		248.91		119.8	
91	Mercury	E3	ug/dscm	y		1.87		2.76		1.08		1.9	
92	Lead	E3	ug/dscm	y		41.52		45.84		44.53		44.0	
93	Nickel	E3	ug/dscm	y		40		22.11		123.71		61.9	
94	Selenium	E3	ug/dscm	y	nd	5.34	nd	4.86	nd	5.13	100	5.1	
95	Thallium	E3	ug/dscm	y	nd	3.19	nd	2.91	nd	3.04	100	3.0	
96	SVM	E3	ug/dscm	y		43.3		47.75		45.68		45.6	
97	LVM	E3	ug/dscm	y	5	71.3		43.5		249.1	1	121.3	
98													
99	207C12	Max metals, waste, slurry					R1		R2		R3		Cond Avg
100													
101	PM	E1	gr/dscf	y		0.0274		0.041		0.0209		0.0298	
102													
103	CO (MHRA)	E2	ppmv	y		26.7		27.2		31.5		28.5	
104													
105	HCl		ppmv	n		3.71		15.57		9.15			
106	Cl2		ppmv	n		0.12	nd	0.1	nd	0.06			
107													
108	HCl	E1	ppmv	y		6.6		26.9		15.3		16.2	
109	Cl2	E1	ppmv	y		0.2	nd	0.2	nd	0.1		0.2	
110	Total Chlorine	E1	ppmv	y		7.0	1	27.3	1	15.5	1.1	16.6	
111													
112	Mercury	E2	ug/dscm	y		17.72	nd	10.69		23.33	21	17.2	
113	Arsenic	E2	ug/dscm	y	nd	0.36	nd	0.35	nd	0.33	100	0.3	
114	Beryllium	E2	ug/dscm	y		0.04		0.05		0.04		0.0	
115	Cadmium	E2	ug/dscm	y		33.65		38.69		10.06		27.5	
116	Lead	E2	ug/dscm	y		141.46		190.62		125.96		152.7	
117	Chromium	E2	ug/dscm	y		5.97		9.6		4.29		6.6	
118	Chromium (Hex)	E2	ug/dscm	y	nd	0.06	nd	0.03	nd	0.06	100	0.1	
119													
120	SVM	E2	ug/dscm	y		175.1		229.3		136.0		180.1	
121	LVM	E2	ug/dscm	y	6	6.4	4	10.0	7	4.7	5	7.0	
122													
123	Sampling Train	PM, HCl E1											
124	Stack Gas Flowrate		dscfm			54557		53900		53448		53968	
125	O2		%			13.1		12.9		12.6		12.9	
126	Moisture		%			22.3		23.9		24.2		23.5	
127	Temperature		°F			330		342		342		338.0	
128													
129	Sampling Train	Metals	E2										
130	Stack Gas Flowrate		dscfm			57523		54332		55356		55737	
131	O2		%			13.1		12.9		12.6		12.9	
132	Moisture		%			21.7		23.5		23.4		22.9	
133	Temperature		°F			330		343		341		338.0	
134													
135	Sampling Train	PCDD/P E3											
136	Stack Gas Flowrate		dscfm			63069		60592		61082		61581	
137	O2		%			13		12.7		12.7		12.8	
138	Moisture		%			23.8		24.2		24.3		24.1	
139	Temperature		°F			332		343		342		339.0	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	Stack Gas Emissions 2																		
2																			
3																			
4	207C1					R1		R2		R3		R4		R5		R6		Cond Avg	
5																			
6	PM	E1	gr/dscf	y		0.0281		0.0256		0.0263		0.0324							0.028
7	CO (MHRA)	E1	ppmv	y		39.00		32.00		28.00		36.00							33.75
8	CO (RA)	E1	ppmv	y		27.00		26.00		25.00		26.00							26.00
9	HCl	E2	ppmv	y		3.35		4.70		4.08		4.61							4.19
10	Cl2	E2	ppmv	y		0.58		0.31		0.27		0.27							0.36
11	Total Chlorine	E2	ppmv	y		4.52		5.32		4.63		5.15							4.91
12	Antimony	E3	ug/dscm	y		0.86	nd	0.77		0.70		0.77							0.77
13	Arsenic	E3	ug/dscm	y	nd	0.78	nd	0.77	nd	0.70		0.77					100		0.75
14	Barium	E3	ug/dscm	y		42.93		41.38		46.19		45.66							44.04
15	Beryllium	E3	ug/dscm	y	nd	0.08	nd	0.08	nd	0.07		0.08					100		0.08
16	Cadmium	E3	ug/dscm	y		440.41		198.68		204.83		133.03							244.24
17	Chromium	E3	ug/dscm	y		158.71		7.48		11.09		46.19							55.87
18	Chromium (Hex)	E4	ug/dscm	y		1.51		1.45		1.38		2.08							1.60
19	Lead	E3	ug/dscm	y		285.30		309.12		277.15		179.23							262.70
20	Mercury	E3	ug/dscm	y		12.63		21.86		19.32		14.10							16.98
21	Nickel	E3	ug/dscm	y		98.61		4.69		6.47		93.70							50.87
22	Silver	E3	ug/dscm	y		1.78		1.15		1.30		0.86							1.27
23	Thallium	E3	ug/dscm	y		0.44		0.41		0.35	nd	0.77							0.49
24	SVM	E3	ug/dscm	y		725.71		507.80		481.98		312.26							506.94
25	LVM	E3	ug/dscm	y	0.5	159.58	10	8.32	6.5	11.86		47.03					###		56.70
26																			
27	Sampling Train	Particulate	E1																
28	Stack Gas Flowrate		dscfm			43700		48200		46000		43500							
29	O2		%			12.9		12		12.5		12.5							
30	Moisture		%			24.9		24.4		25.8		25.4							
31	Temperature		°F			331		324		325		327							
32																			
33	Sampling Train	Halogens	E2																
34	Stack Gas Flowrate		dscfm			42600		44000		44800		43900							
35	O2		%			12.9		12		12.5		12.5							
36	Moisture		%			26.8		25		24.8		25.5							
37	Temperature		°F			332		322		329		328							
38																			
39	Sampling Train	Metals	E3																
40	Stack Gas Flowrate		dscfm			46900		45900		49400		45700							
41	O2		%			12.9		12		12.5		12.5							
42	Moisture		%			25.6		26.4		25.8		26.9							
43	Temperature		°F			332		326		327		326							
44																			
45	Sampling Train	Cr Hex	E4																
46	Stack Gas Flowrate		dscfm			45700		45800		47800		48500							
47	O2		%			13.5		11.5		11.8		11.8							
48	Moisture		%			24.6		25		22.9		17.1							
49	Temperature		°F			331		325		326		326							
50																			
51	Sampling Train	Dioxin & Fl	E5																
52	Stack Gas Flowrate		dscfm			46200		49100		46600									
53	O2		%			13.1		11.7		12.3									
54	Moisture		%			25.2		24.2		25									
55	Temperature		°F			328		325		326									
56																			
57	207C2					R1		R2		R3		R4		R5		R6		Cond Avg	
58																			
59	PM	E1	gr/dscf	y		0.024		0.022		0.019		0.009		0.018		0.017			0.01808
60	CO (MHRA)	E1	ppmv	y		29.00		28.00		23.00		39.00		37.00		32.00			31.33
61	CO (RA)	E1	ppmv	y		28.00		23.00		21.00		26.00		27.00		25.00			25.00
62	Antimony	E2	ug/dscm	y	nd	0.74	nd	0.68	nd	0.65	nd	0.77	nd	0.60	nd	0.62	100		0.68
63	Arsenic	E2	ug/dscm	y	nd	0.74	nd	0.68	nd	0.65	nd	0.77	nd	0.60	nd	0.62	100		0.68
64	Beryllium	E2	ug/dscm	y	nd	0.07	nd	0.07	nd	0.07	nd	0.08	nd	0.06	nd	0.06	100		0.07
65	Cadmium	E2	ug/dscm	y		415.95		168.27		46.34		46.16		87.00		107.42			145.19
66	Chromium	E2	ug/dscm	y		7.29		6.88		7.17		4.75		293.04		4.62			53.96
67	Chromium (Hex)	E3	ug/dscm	y		1.53		1.78		1.75		1.08		1.14		1.57			1.47
68	Lead	E2	ug/dscm	y		220.08		112.18		49.99		34.30		155.68		104.02			112.71
69	Thallium	E2	ug/dscm	y	nd	0.74		0.70		0.51		0.77		0.43		0.51			0.61
70	LVM	E2	ug/dscm	y	10	8.10	10	7.63	9	7.89	15	5.59	0	293.71	13	5.30	1.4		54.70
71	SVM	E2	ug/dscm	y		636.03		280.45		96.33		80.46		242.68		211.44			257.90

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
72																		
73	Sampling Train	Particulate	E1															
74	Stack Gas Flowrate		dscfm			44400		44400		43800		43400		43800		44300		
75	O2		%			12.1		11.8		11.7		11.4		11.2		11.3		
76	Moisture		%			26		24.6		24.6		25.5		26.1		25.4		
77	Temperature		°F			327		322		323		320		308		320		
78																		
79	Sampling Train	Metals	E2															
80	Stack Gas Flowrate		dscfm			45700		47200		47600		45100		47800		46100		
81	O2		%			12.1		11.8		11.8		12.3		11.2		11.1		
82	Moisture		%			26.6		25.5		25		25.8		25.4		25.5		
83	Temperature		°F			328		323		324		321		311		322		
84																		
85	Sampling Train	Cr Hex	E3															
86	Stack Gas Flowrate		dscfm			46800		47600		46400		45400		47200		50100		
87	O2		%			12.1		11.8		11.7		11.4		11.2		11.3		
88	Moisture		%			22.2		22.7		25.7		26.3		25.8		22.5		
89	Temperature		°F			329		323		326		321		307		318		
90																		
91	207C3					R1		R2		R3		R4		R5		R6		Cond Avg
92																		
93	PM	E1	gr/dscf	y		0.008		0.005		0.009								0.00741
94	HCl	E2	ppmv	y		31.47		9.95		5.50								15.64
95	Cl2	E2	ppmv	y		0.08		0.23		0.27								0.19
96	Total Chlorine	E2	ppmv	y		31.63		10.41		6.03								16.02
97	Arsenic	E3	ug/dscm	y	nd	0.65	nd	0.76	nd	0.68						100		0.70
98	Beryllium	E3	ug/dscm	y	nd	0.06	nd	0.08	nd	0.07						100		0.07
99	Cadmium	E3	ug/dscm	y		3.48		1.36		0.75								1.86
100	Chromium (Hex)	E4	ug/dscm	y	nd	0.15	nd	0.18	nd	0.18						100		0.17
101	Lead	E3	ug/dscm	y		19.47		15.69		12.46								15.87
102	Mercury	E3	ug/dscm	y	nd	6.26	nd	7.37		2.49						85		5.37
103	Nickel	E3	ug/dscm	y		7.43		12.25		13.33								11.01
104	SVM	E3	ug/dscm	y		22.94		17.04		13.21								17.73
105	LVM	E3	ug/dscm	y	100	0.71	100	0.84	100	0.74						100		0.76
106																		
107	Sampling Train	Particulate	E1															
108	Stack Gas Flowrate		dscfm			44700		44700		44100								
109	O2		%			10.5		11.4		11								
110	Moisture		%			24		26.2		26.5								
111	Temperature		°F			314		316		313								
112																		
113	Sampling Train	Halogens	E2															
114	Stack Gas Flowrate		dscfm			41200		39800		40100								
115	O2		%			10.5		11.4		11								
116	Moisture		%			23.5		25.9		26.2								
117	Temperature		°F			316		314		312								
118																		
119	Sampling Train	Metals	E3															
120	Stack Gas Flowrate		dscfm			45800		43700		44800								
121	O2		%			10.5		11.4		11								
122	Moisture		%			24.2		25.8		26.2								
123	Temperature		°F			315		315		312								
124																		
125	Sampling Train	Cr Hex	E4															
126	Stack Gas Flowrate		dscfm			47100		45200		46500								
127	O2		%			10.5		11.4		11								
128	Moisture		%			24.6		26.5		24.7								
129	Temperature		°F			313		311		310								
130																		
131	Sampling Train	Dioxin & Ft	E5															
132	Stack Gas Flowrate		dscfm			45200		44500		46500								
133	O2		%			10.5		11.4		11								
134	Moisture		%			22.3		25.1		25.2								
135	Temperature		°F			312		309		309								

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	
1	Feedstreams 1																												
2																													
3	207C10	Max comb temp, ma			R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		
4																													
5	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2		F3		F3		F3		F3		
6	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW		
7	Feed Class 2				RM		RM		RM		RM		Coal		Coal		Coal		Coal		HW		HW		HW		HW		
8	Feedstream Description				Raw Matl		Raw Matl		Raw Matl		Raw Matl		Coal		Coal		Coal		Coal		Liq Waste		Liq Waste		Liq Waste		Liq Waste		
9	Feed Rate				g/hr		45,100,000		45,600,000		46,700,000		45,800,000		562,000		563,000		562,000		562,333		2,700,000		2,220,000		2,210,000		
10	Heating Value				Btu/lb								12,198		12,338		11,794		12,110		11,770		13,088		13,148		12,608		
11	Thermal Feedrate				MMBtu/hr		0		0		0		0.0		15		15		15		15		70		64		64		
12	Chlorine				g/hr		649.5		563.6		565.5		592.87		731.2		759.3		787.43		759.3		31145.0		6037.7		6237.6		
13	Antimony				g/hr		22.6		25.6		26.7		24.97		0.59		1.5		1.4		1.2		57		1		1		
14	Arsenic				g/hr		39.5		53.17		59.36		50.68		7.71		13.84		13.4		11.7		1.4		2.9		3.9		
15	Barium				g/hr		192.2		226.35		246.3		221.62		45.3		33.75		65.24		48.1		490		32		39		
16	Beryllium				g/hr		7.53		7.67		8.65		7.95		0.83		0.95		0.81		0.9		0.4		0.4		0.4		
17	Cadmium				g/hr		0		0		0		0.00		0		0		0		0.0		4.5		0.4		0.4		
18	Chromium				g/hr		180.4		345.92		309.87		278.73		2.58		7.51		6.64		5.6		70.4		1.1		2.7		
19	Lead				g/hr		128.1		157.67		160.3		148.69		6.3		6.58		7.14		6.7		137.4		5.3		6.3		
20	Mercury				g/hr		0.9		0.68		0.93		0.84		0.11		0.11		0.11		0.1		0.1		0.1		0.1		
21	Silver				g/hr		22.6		22.82		23.37		22.93		0.28		0.28		0.28		0.3		7		2		2		
22	Thallium				g/hr		22.6		22.82		23.37		22.93		0.42		0.3		0.28		0.3		3		2		2		
23	Nickel				g/hr		336.1		538.73		383.71		419.51		9		10.3		9.96		9.8		91		1		1.1		
24	Selenium				g/hr		22.6		22.82		23.37		22.93		1.88		3.11		2.95		2.6		4		2		2.2		
25																													
26	Stack Gas Flowrate				dscfm		48,519		48,203		48,243		48,322		48,519		48,203		48,243		48,322		48,519		48,203		48,243		
27	O2				%		12.1		12.1		11.8		12.0		12.1		12.1		11.8		12.0		12.1		12.1		11.8		
28																													
29	<i>Feedrate MTEC Calculations</i>																												
30	Chlorine				ug/dscm		12,401		10,832		10,505		11,240		13,961		14,593		14,628		14,395		594,670		116,037		115,874		
31	Antimony				ug/dscm		432		492		496		473		11		29		26		22		1,088		19		19		
32	Arsenic				ug/dscm		754		1,022		1,103		961		147		266		249		221		27		56		72		
33	Barium				ug/dscm		3,670		4,350		4,575		4,202		865		649		1,212		912		9,356		615		724		
34	Beryllium				ug/dscm		144		147		161		151		16		18		15		16		8		8		8		
35	Cadmium				ug/dscm		0		0		0		0		0		0		0		0		86		7		7		
36	Chromium				ug/dscm		3,444		6,648		5,756		5,284		49		144		123		106		1,344		22		50		
37	Lead				ug/dscm		2,446		3,030		2,978		2,819		120		126		133		127		2,624		102		117		
38	Mercury				ug/dscm		17		13		17		16		2		2		2		2		3		2		2		
39	Silver				ug/dscm		432		439		434		435		5		5		5		5		134		38		37		
40	Thallium				ug/dscm		432		439		434		435		8		6		5		6		57		38		37		
41	Nickel				ug/dscm		6,417		10,354		7,128		7,953		172		198		185		185		1,738		19		20		
42	Selenium				ug/dscm		432		439		434		435		36		60		55		50		76		38		41		
43																													
44	SVM				ug/dscm		2,446		3,030		2,978		2,819		120		126		133		127		2,710		109		124		
45	LVM				ug/dscm		4,342		7,817		7,020		6,396		212		429		387		343		1,380		86		130		
46																													
47	207C11																												
48																													
49	Feedstream Description																												
50	Feed Rate				g/hr																								
51	Thermal Feedrate				MMBtu/hr																								
52																													
53	207C12				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		
54																													
55	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2		F3		F3		F3		F3		
56	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW		
57	Feed Class 2				RM		RM		RM		RM		Coal		Coal		Coal		Coal		HW		HW		HW		HW		
58	Feedstream Description				Raw Matl		Raw Matl		Raw Matl		Raw Matl		Coal		Coal		Coal		Coal		Liq Waste		Liq Waste		Liq Waste		Liq Waste		
59	Feed Rate				g/hr		38,300,000		38,800,000		38,370,000		38,490,000		417,000		489,900		671,000		525,967		2,930,000		2,999,000		2,780,000		
60	Heating Value				Btu/lb								11,976		12,140		12,111		12,084		13,326		11,808		11,595		12,251		

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1	Feedstreams 1															
2																
3	207C10	R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg
4																
5	Feedstream Number	F4		F4		F4		F4		F5		F5		F5		F5
6	Feed Class	Spike		Spike		Spike		Spike		Total		Total		Total		Total
7	Feed Class 2	Spike		Spike		Spike		Spike		Total		Total		Total		Total
8	Feedstream Description	Spike		Spike		Spike		Spike		Total		Total		Total		Total
9	Feed Rate															
10	Heating Value															
11	Thermal Feedrate									85		79		79		81
12	Chlorine	28,039		38,794		38,803		35,212								
13	Antimony															
14	Arsenic	291		295		295		294								
15	Barium															
16	Beryllium	64		64		64		64								
17	Cadmium	962		981		981		975								
18	Chromium	2,965		2,992		2,987		2,981								
19	Lead	5,571		5,866		5,866		5,767								
20	Mercury	14		14		14		14								
21	Silver															
22	Thallium															
23	Nickel															
24	Selenium															
25																
26	Stack Gas Flowrate	48,519		48,203		48,243		48,322								
27	O2	12.1		12.1		11.8		12.0								
28																
29	<i>Feedrate MTEC Calculations</i>															
30	Chlorine	535,367		745,580		720,838		667,574		1,156,400		887,042		861,845		967,605
31	Antimony	0		0		0		0		1,531		540		541		868
32	Arsenic	5,548		5,671		5,482		5,566		6,477		7,015		6,906		6,800
33	Barium	0		0		0		0		13,891		5,614		6,512		8,659
34	Beryllium	1,214		1,222		1,181		1,205		1,382		1,396		1,365		1,380
35	Cadmium	18,377		18,847		18,217		18,477		18,464		18,854		18,224		18,510
36	Chromium	56,605		57,500		55,495		56,521		61,443		64,314		61,424		62,380
37	Lead	106,363		112,731		108,965		109,340		111,553		115,990		112,193		113,228
38	Mercury	269		271		262		267		291		288		283		287
39	Silver	0		0		0		0		571		482		476		510
40	Thallium	0		0		0		0		497		483		476		485
41	Nickel	0		0		0		0		8,327		10,571		7,334		8,727
42	Selenium	0		0		0		0		544		537		530		537
43																
44	SVM	124,740		131,578		127,182		127,817		130,016		134,844		130,417		131,737
45	LVM	63,367		64,393		62,157		63,292		69,301		72,725		69,695		70,560
46																
47	207C11															
48																
49	Feedstream Description															
50	Feed Rate															
51	Thermal Feedrate															
52																
53	207C12	R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg
54																
55	Feedstream Number	F4		F4		F4		F4		F5		F5		F5		F5
56	Feed Class	Spike		Spike		Spike		Spike		Total		Total		Total		Total
57	Feed Class 2	Spike		Spike		Spike		Spike		Total		Total		Total		Total
58	Feedstream Description	Spike		Spike		Spike		Spike		Total		Total		Total		Total
59	Feed Rate															
60	Heating Value															

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
61	Thermal Feedrate		MMBtu/hr		0		0		0		0		11		13		18		14		86		78		71		78	
62	Chlorine		g/hr		3,830		3,880		3,837		3,849		834		882		1,275		997		22,561		13,196		14,178		16,645	
63	Arsenic		g/hr		19.5		215.3		19.2		84.69		7.3		7.6		0.5		5.1		3.9		4.5		7.7		5.4	
64	Beryllium		g/hr		6.4		24.3		6.3		12.29		0.8		0.8		0.2		0.6		0.0		0.0		0.0		0.0	
65	Cadmium		g/hr		19.2		19.4		19.2		19.25		0.2		0.2		0.3		0.3		154.1		153.7		18.8		108.9	
66	Chromium		g/hr		83.1		89.6		80.2		84.31		4.0		2.7		2.1		3.0		39.3		56.2		70.6		55.4	
67	Lead		g/hr		78.5		230.9		77.1		128.83		6.7		6.9		2.2		5.3		90.2		124.2		461.5		225.3	
68	Mercury		g/hr		1.5		1.6		1.5		1.54		0.2		0.1		0.2		0.2		0.1		0.1		1.2		0.5	
69																												
70	Stack Gas Flowrate		dscfm		57,523		54,332		55,356		55,737		57,523		54,332		55,356		55,737		57,523		54,332		55,356		55,737	
71	O2		%		13.1		12.9		12.6		12.9		13.1		12.9		12.6		12.9		13.1		12.9		12.6		12.9	
72																												
73	<i>Feedrate MTEC Calculations</i>																											
74	Chlorine		ug/dscm		69,490		72,691		68,036		70,005		15,132		16,521		22,606		18,131		409,336		247,217		251,398		302,732	
75	Arsenic		ug/dscm		354		4,034		340		1,540		133		142		9		93		71		85		137		98	
76	Beryllium		ug/dscm		115		455		111		224		14		15		3		11		0		0		1		0	
77	Cadmium		ug/dscm		347		363		340		350		4		5		6		5		2,796		2,880		334		1,980	
78	Chromium		ug/dscm		1,508		1,679		1,422		1,533		73		51		38		54		712		1,053		1,252		1,007	
79	Lead		ug/dscm		1,425		4,325		1,368		2,343		122		129		38		95		1,637		2,326		8,183		4,098	
80	Mercury		ug/dscm		28		29		27		28		3		3		4		3		2		2		21		8	
81																												
82	SVM		ug/dscm		1,772		4,689		1,708		2,693		126		134		44		100		4,434		5,206		8,516		6,078	
83	LVM		ug/dscm		1,978		6,168		1,873		3,297		220		208		50		158		783		1,138		1,389		1,105	

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AN	AN	AO	AP	AQ	AR
61	Thermal Feedrate										97	91		89		92
62	Chlorine															
63	Arsenic															
64	Beryllium															
65	Cadmium															
66	Chromium	2773.94		2773.94		2914.68		2.82E+03								
67	Lead	2515.16		2515.16		2233.68		2.42E+03								
68	Mercury															
69																
70	Stack Gas Flowrate	57,523		54,332		55,356		55,737		57,523		54,332		55,356		55,737
71	O2	13.1		12.9		12.6		12.9		13.1		12.9		12.6		12.9
72																
73	<i>Feedrate MTEC Calculations</i>															
74	Chlorine	0		0		0		0		493,958		336,429		342,040		390,868
75	Arsenic	0		0		0		0		558		4,261		486		1,731
76	Beryllium	0		0		0		0		130		470		115		235
77	Cadmium	0		0		0		0		3,147		3,248		680		2,335
78	Chromium	50,329		51,969		51,682		51,305		52,622		54,753		54,394		53,899
79	Lead	45,634		47,121		39,607		44,039		48,818		53,901		49,195		50,575
80	Mercury	0		0		0		0		33		34		51		39
81																
82	SVM	45,634		47,121		39,607		44,039		51,965		57,149		49,875		52,910
83	LVM	50,329		51,969		51,682		51,305		53,310		59,484		54,994		55,865

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC			
1	Feedstream 2																														
2																															
3																															
4	207C1		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6						
5																															
6	Feedstream Number		F1		F1		F1		F1		F1		F1		F2		F2		F2		F2		F2		F2		F2				
7	Feed Class		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material				
8	Feed Class 2		Coal		Coal		Coal		Coal		Coal		Coal		RM		RM		RM		RM		RM		RM		RM				
9	Feedstream Description		Coal		Coal		Coal		Coal		Coal		Coal		Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Raw material				
10	Feed Rate	lb/hr	3,108		4,470		4,050		5,250						88,972		88,902		88,902		88,712										
11	Heating Value	Btu/lb	13,996		14,027		13,012		14,990																						
12	Thermal Feedrate	MMBtu/hr	43.5		62.7		52.7		78.7																						
13	Chlorine	lb/hr	4.04		6.71		4.79		8.93					nd	17.8 nd		17.8 nd		17.8 nd		17.7										
14	Antimony	lb/hr	nd	0.031 nd	0.036 nd		0.028 nd		0.037					nd	0.890 nd		0.800 nd		0.889 nd		0.887										
15	Arsenic	lb/hr		0.071	0.094		0.089		0.126					nd	0.089 nd		0.089 nd		0.089 nd		0.089										
16	Barium	lb/hr		0.134	0.215		0.203		0.241					nd	1.780 nd		1.780 nd		1.780 nd		1.770										
17	Beryllium	lb/hr		0.009	0.013		0.012		0.015					nd	0.045 nd		0.045 nd		0.045 nd		0.044										
18	Cadmium	lb/hr		0.004	0.002		0.003		0.002					nd	0.045 nd		0.045 nd		0.045		1.240										
19	Chromium	lb/hr		0.047	0.063		0.057		0.068						0.267		0.267		0.356		0.355										
20	Chromium (Hex)	lb/hr																													
21	Lead	lb/hr		0.050	0.036		0.028		0.047						0.356		0.444		0.444		0.621										
22	Mercury	lb/hr		0.001	0.002		0.002		0.002					nd	0.009 nd		0.009 nd		0.009 nd		0.009										
23	Nickel	lb/hr		nd	0.047 nd		0.058		0.049					nd	0.356		0.444		0.444		0.621										
24	Silver	lb/hr		nd	0.003 nd		0.004 nd		0.004 nd					nd	0.089 nd		0.080 nd		0.089 nd		0.089										
25	Thallium	lb/hr		nd	0.003 nd		0.004 nd		0.005					nd	0.089 nd		0.089 nd		0.089 nd		0.089										
26																															
27	Stack Gas Flowrate	dscfm		46900		45900		49400		45700					46900		45900		49400		45700										
28	O2	%		12.9		12		12.5		12.5					12.9		12		12.5		12.5										
29																															
30	<i>Feedrate MTEC Calculations</i>																														
31	Chlorine	ug/dscm		39,808		60,801		42,701		86,052				nd	175,391 nd		161,291 nd		158,679 nd		170,563										
32	Antimony	ug/dscm		nd	306 nd		323 nd		253 nd		355			nd	8,770 nd		7,249 nd		7,925 nd		8,547										
33	Arsenic	ug/dscm			704		851		794		1,214			nd	878 nd		805 nd		792 nd		854										
34	Barium	ug/dscm			1,320		1,948		1,810		2,322			nd	17,539 nd		16,129 nd		15,868 nd		17,056										
35	Beryllium	ug/dscm			89		118		108		146			nd	438 nd		403 nd		397 nd		427										
36	Cadmium	ug/dscm			39		16		26		21			nd	438 nd		403 nd		397		11,949										
37	Chromium	ug/dscm			458		567		505		658				2,631		2,419		3,174		3,421										
38	Chromium (Hex)	ug/dscm			0		0		0		0				0		0		0		0										
39	Lead	ug/dscm			491		323		253		455				3,508		4,023		3,958		5,984										
40	Mercury	ug/dscm			13		16		14		21			nd	87 nd		80 nd		79 nd		85										
41	Nickel	ug/dscm			nd		458 nd		527		432			nd	3,508		4,023		3,958		5,984										
42	Silver	ug/dscm			nd		30 nd		32 nd		26 nd			nd	878 nd		725 nd		792 nd		854										
43	Thallium	ug/dscm			nd		28 nd		36 nd		33 nd			nd	878 nd		805 nd		792 nd		854										
44	SVM	ug/dscm					530		339		279				3,727		4,225		4,156		11,959										
45	LVM	ug/dscm					1,251		1,536		1,408				3,289		3,023		3,768		4,061										
46																															
47	207C2		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6						
48																															
49	Feedstream Number		F1		F1		F1		F1		F1		F1		F2		F2		F2		F2		F2		F2		F2				
50	Feed Class		Coal		Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material				
51	Feed Class 2		Coal		Coal		Coal		Coal		Coal		Coal		RM		RM		RM		RM		RM		RM		RM				
52	Feedstream Description		Coal		Coal		Coal		Coal		Coal		Coal		Raw material slur		Raw material sl		Raw material slu		Raw material slt		Raw material slt		Raw material slur		Raw material slur				
53	Feed Rate	lb/hr		5,052		6,396		5,100		5,250		9,558		8,418		88,890		88,712		88,902		88,902		88,324		88,324					
54	Heating Value	Btu/lb		13,994		18,918		12,980		14,000		14,961		18,057																	
55	Thermal Feedrate	MMBtu/hr		71		121		66		74		143		152																	
56	Chlorine	lb/hr		7.1		10.9		8.16		8.4		17.2		14.3 nd		17.8 nd		17.7 nd		17.8 nd		17.8 nd		17.7 nd		17.7					
57	Antimony	lb/hr		nd	0.030 nd		0.051 nd		0.051 nd		0.042 nd		0.086 nd		0.076 nd		0.800 nd		0.887 nd		0.711 nd		0.889 nd		0.795 nd		0.795				
58	Arsenic	lb/hr			0.106		0.115		0.107		0.116		0.172		0.160 nd		0.080 nd		0.089 nd		0.089 nd		0.089 nd		0.088 nd		0.088				
59	Barium	lb/hr			0.232		0.294		0.235		0.210		0.449		0.396 nd		1.780 nd		1.770 nd		1.780 nd		1.780 nd		1.770 nd		1.770				
60	Beryllium	lb/hr			0.014		0.021		0.013		0.014		0.029		0.025 nd		0.045 nd		0.044 nd		0.036 nd		0.045 nd		0.044 nd		0.044				

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
1	Feedstream 2																										
2																											
3																											
4	207C1	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1							
5																											
6	Feedstream Number	F3	F3	F3	F3	F3	F3	F4	F4	F4	F4	F4	F4	F5													
7	Feed Class	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Spike	Spike	Spike	Spike	Spike	Spike	Spike													
8	Feed Class 2	HW	HW	HW	HW	HW	HW																				
9	Feedstream Description	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 2													
10	Feed Rate	4,584	4,461	4,506	4,776			208	167	179	178		246														
11	Heating Value	10,995	11,970	12,006	8,606			0	0	0	0		0														
12	Thermal Feedrate	50.4	53.4	54.1	41.1																						
13	Chlorine	73.3	80.3	76.6	76.4																						
14	Antimony								0.000	0.001	0.001		0.009														
15	Arsenic			0.004				0.081	0.074	0.124	0.104		0.030														
16	Barium		0.758	0.108									0.010														
17	Beryllium												0.000														
18	Cadmium	0.007	0.058	0.007	0.016			4.030	3.450	3.640	3.240		0.419														
19	Chromium	0.043	0.196	0.019	0.027			0.020	0.018	0.020	0.017		0.857														
20	Chromium (Hex)							0.000	0.000	0.000	0.000		0.343														
21	Lead	0.046	0.803	0.113	0.459			0.016	0.013	0.007	0.028		0.181														
22	Mercury												0.000														
23	Nickel		0.040					0.004	0.004	0.004	0.004		0.067														
24	Silver												0.000														
25	Thallium												0.000														
26																											
27	Stack Gas Flowrate	46900	45900	49400	45700			46900	45900	49400	45700		46900														
28	O2	12.9	12	12.5	12.5			12.9	12	12.5	12.5		12.9														
29																											
30	<i>Feedrate MTEC Calculati</i>																										
31	Chlorine	722,258	727,623	682,856	736,215			0	0	0	0		0														
32	Antimony	0	0	0	0			0	1	8	13		85														
33	Arsenic	0	0	35	0			794	672	1,105	1,002		291														
34	Barium	0	6,868	963	0			0	0	0	21		94														
35	Beryllium	0	0	0	0			0	0	0	1		0														
36	Cadmium	67	526	61	151			39,709	31,262	32,449	31,222		4129														
37	Chromium	419	1,776	169	257			199	159	182	162		8444														
38	Chromium (Hex)	0	0	0	0			0	0	0	0		3380														
39	Lead	452	7,276	1,007	4,423			159	118	58	267		1783														
40	Mercury	0	0	0	0			0	0	0	0		1														
41	Nickel	0	363	0	0			44	34	36	41		657														
42	Silver	0	0	0	0			0	0	0	0		3														
43	Thallium	0	0	0	0			0	0	0	0		0														
44	SVM	520	7,802	1,068	4,574			39,868	31,379	32,507	31,489		5912														
45	LVM	419	1,776	205	257			993	831	1,287	1,165		8735														
46																											
47	207C2	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1							
48																											
49	Feedstream Number	F3	F3	F3	F3	F3	F3	F4	F4	F4	F4	F4	F5														
50	Feed Class	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Spike	Spike	Spike	Spike	Spike	Spike														
51	Feed Class 2	HW	HW	HW	HW	HW	HW																				
52	Feedstream Description	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Liquid waste	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 1	Metal spike 2														
53	Feed Rate	4,584	3,305	3,778	3,683	1,858	2,647	113	68	117	176		146														
54	Heating Value	13,002	12,012	8,497	10,996	15,016	12,014	0	0	0	0		0														
55	Thermal Feedrate	60	40	32	41	28	32																				
56	Chlorine	119	39.7	35.9	40.5	22.3	25.4																				
57	Antimony					0.446	0.476			0.001	0.001		0.019														
58	Arsenic		0.004	0.004	0.003			0.088	0.123	0.168	0.244		0.016														
59	Barium	2.060		0.907	0.737	0.204	0.167						0.001														
60	Beryllium												0.001														

	B	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	
1	Feedstream 2																										
2																											
3																											
4	207C1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2													
5																											
6	Feedstream Number	F5	F5	F5	F5	F5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	
7	Feed Class	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	
8	Feed Class 2																										
9	Feedstream Description	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 4	Metal spike 4		
10	Feed Rate	303	287	243			577	434	491	293													0.3	0.3			
11	Heating Value	0	0	0			0	0	0	0													0	0			
12	Thermal Feedrate																										
13	Chlorine																										
14	Antimony	0.015	0.020	0.014			0.015	0.016	0.017	0.011																	
15	Arsenic	0.027	0.005	0.002			0.025	0.005	0.007	0.004																	
16	Barium	0.006	0.002	0.003																							
17	Beryllium																						0.004	0.004			
18	Cadmium	0.448	0.067	0.012			0.386	0.150	0.114	0.060																	
19	Chromium	1.550	2.020	1.460			0.050	0.025	0.012	0.005																	
20	Chromium (Hex)	1.020	1.680	1.180			0.001	0.003	0.002	0.000																	
21	Lead	0.145	0.040	0.035			3.620	4.000	5.960	2.760																	
22	Mercury	0.000	0.000	0.000			0.001	0.001	0.001	0.000																	
23	Nickel	0.191	0.260	0.033			0.150	0.092	0.116	0.066																	
24	Silver	0.000	0.000	0.000				0.000	0.000	0.000																	
25	Thallium																										
26																											
27	Stack Gas Flowrate	45900	49400	45700			46900	45900	49400	45700													46900	45900			
28	O2	12	12.5	12.5			12.9	12	12.5	12.5													12.9	12			
29																											
30	<i>Feedrate MTEC Calculati</i>																										
31	Chlorine	0	0	0			0	0	0	0													0	0			
32	Antimony	135	175	133			152	146	152	109													0	0			
33	Arsenic	246	43	20			248	43	61	34												0	0				
34	Barium	58	22	26			0	0	0	0												0	0				
35	Beryllium	0	0	0			0	0	0	0												43	40				
36	Cadmium	4059	596	119			3803	1359	1016	576												0	0				
37	Chromium	14045	18007	14069			488	227	105	45												0	0				
38	Chromium (Hex)	9243	14976	11371			10	25	18	4												0	0				
39	Lead	1314	358	334			35669	36245	53131	26596												0	0				
40	Mercury	1	1	1			6	5	5	3												0	0				
41	Nickel	1731	2318	314			1478	835	1034	639												0	0				
42	Silver	1	0	0			0	1	1	0												0	0				
43	Thallium	0	0	0			0	0	0	0												0	0				
44	SVM	5373	955	453			39473	37604	54147	27172												0	0				
45	LVM	14291	18050	14089			736	270	166	79												43	40				
46																											
47	207C2	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5	R6	R1	R2													
48																											
49	Feedstream Number	F5	F5	F5	F5	F5	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6	F6		
50	Feed Class	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike		
51	Feed Class 2																										
52	Feedstream Description	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 2	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 3	Metal spike 4	Metal spike 4			
53	Feed Rate	65	96	115	113	109	247	38	200	177	84	112	0.25	0.25													
54	Heating Value	0	0	0	0	0	0	0	0	0												0	0				
55	Thermal Feedrate																										
56	Chlorine																										
57	Antimony	0.009	0.009	0.013	0.012	0.011	0.007	0.003	0.013	0.007	0.004	0.005															
58	Arsenic	0.006	0.007	0.010	0.005	0.004	0.042	0.002	0.010	0.005	0.004	0.005															
59	Barium	0.001	0.001	0.001	0.001	0.001																					
60	Beryllium																						0.004	0.004			

	B	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	
1	Feedstream 2																										
2																											
3																											
4	207C1		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		
5																											
6	Feedstream Number		F6		F6		F6		F6														F7		F7		
7	Feed Class		Spike		Spike		Spike		Spike														Total		Total		
8	Feed Class 2										Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		
9	Feedstream Description		Metal spike 4		Metal spike 4		Metal spike 4		Metal spike 4														Total		Total		
10	Feed Rate		0.3		0.3																						
11	Heating Value		0		0																						
12	Thermal Feedrate																						93.9		116.1		
13	Chlorine																										
14	Antimony																										
15	Arsenic																										
16	Barium																										
17	Beryllium		0.004		0.004																						
18	Cadmium																										
19	Chromium																										
20	Chromium (Hex)																										
21	Lead																										
22	Mercury																										
23	Nickel																										
24	Silver																										
25	Thallium																										
26																											
27	Stack Gas Flowrate		49400		45700																						
28	O2		12.5		12.5																						
29																											
30	<i>Feedrate MTEC Calculati</i>																										
31	Chlorine		0		0				0		0		0		0		0		0				937457		949716		
32	Antimony		0		0				236		282		335		255								9312		7854		
33	Arsenic		0		0				1333		961		1209		1057								2915		2616		
34	Barium		0		0				94		58		22		47								18953		25003		
35	Beryllium		39		42				43		40		39		43								571		561		
36	Cadmium		0		0				47641		36680		34062		31916								48186		37625		
37	Chromium		0		0				9131		14431		18294		14276								12639		19194		
38	Chromium (Hex)		0		0				3390		9267		14995		11375								3390		9267		
39	Lead		0		0				37612		37677		53548		27198								42062		49300		
40	Mercury		0		0				7		6		6		4								107		102		
41	Nickel		0		0				2179		2601		3388		994								6145		7514		
42	Silver		0		0				3		2		1		1								911		759		
43	Thallium		0		0				0		0		0		0								906		841		
44	SVM		0		0				85253		74357		87609		59114								90029		86723		
45	LVM		39		42				10508		15432		19543		15376								15466		21767		
46																											
47	207C2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		
48																											
49	Feedstream Number		F6		F6		F6		F6														F7		F7		
50	Feed Class		Spike		Spike		Spike		Spike														Total		Total		
51	Feed Class 2										Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		
52	Feedstream Description		Metal spike 4		Metal spike 4		Metal spike 4		Metal spike 4														Total		Total		
53	Feed Rate		0.25		0.25		0.25		0.25		0.25		0.25														
54	Heating Value		0		0		0		0		0		0														
55	Thermal Feedrate																						130		161		
56	Chlorine																										
57	Antimony																										
58	Arsenic																										
59	Barium																										
60	Beryllium		0.004		0.004		0.004		0.004																		

	B	DB	DC	DD	DE	DF	DG	DH	DI	DJ
1	Feedstream 2									
2										
3										
4	207C1	R3		R4		R5		R6		Cond Avg
5										
6	Feedstream Number	F7		F7		F7		F7		F7
7	Feed Class	Total		Total		Total		Total		Total
8	Feed Class 2	Total		Total		Total		Total		Total
9	Feedstream Description	Total		Total		Total		Total		Total
10	Feed Rate									
11	Heating Value									
12	Thermal Feedrate	106.8		119.8						109.15
13	Chlorine									
14	Antimony									
15	Arsenic									
16	Barium									
17	Beryllium									
18	Cadmium									
19	Chromium									
20	Chromium (Hex)									
21	Lead									
22	Mercury									
23	Nickel									
24	Silver									
25	Thallium									
26										
27	Stack Gas Flowrate									
28	O2									
29										
30	<i>Feedrate MTEC Calculati</i>									
31	Chlorine	884236		992830						941060
32	Antimony	8513		9157						8709
33	Arsenic	2830		3125						2871
34	Barium	18662		19426						20511
35	Beryllium	544		616						573
36	Cadmium	34545		44038						41099
37	Chromium	22143		18613						18147
38	Chromium (Hex)	14995		11375						9757
39	Lead	58766		38060						47047
40	Mercury	99		110						104
41	Nickel	7778		7586						7256
42	Silver	819		891						845
43	Thallium	825		898						868
44	SVM	93113		76123						86497
45	LVM	24923		21713						20967
46										
47	207C2	R3		R4		R5		R6		Cond Avg
48										
49	Feedstream Number	F7		F7		F7		F7		F7
50	Feed Class	Total		Total		Total		Total		Total
51	Feed Class 2	Total		Total		Total		Total		Total
52	Feedstream Description	Total		Total		Total		Total		Total
53	Feed Rate									
54	Heating Value									
55	Thermal Feedrate	98		114		171		184		143
56	Chlorine									
57	Antimony									
58	Arsenic									
59	Barium									
60	Beryllium									

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
61	Cadmium		lb/hr		0.002		0.017		0.021		0.005	nd	0.004		0.005	nd	0.045	nd	0.044	nd	0.036	nd	0.045	nd	0.044	nd	0.044	0.044
62	Chromium		lb/hr		0.096		0.141		0.071		0.068		0.134		0.118		0.240		0.444		0.364		0.444		0.353		0.336	
63	Chromium (Hex)		lb/hr																									
64	Lead		lb/hr		0.035		0.070		0.061		0.068		0.134		0.101		0.329		0.444		0.444		0.444		0.654		0.442	
65	Mercury		lb/hr		0.002		0.002		0.002		0.002		0.004		0.003	nd	0.009	nd	0.009	nd	0.009	nd	0.009	nd	0.009	nd	0.009	
66	Nickel		lb/hr		0.111		0.109		0.061		0.058		0.124		0.118		0.356		0.444		0.534		0.534		0.442		0.442	
67	Silver		lb/hr	nd	0.003	nd	0.005	nd	0.005	nd	0.004	nd	0.007	nd	0.008	nd	0.080	nd	0.089	nd	0.071	nd	0.089	nd	0.080	nd	0.080	
68	Thallium		lb/hr	nd	0.004	nd	0.004	nd	0.004	nd	0.005	nd	0.008	nd	0.008	nd	0.080	nd	0.089	nd	0.089	nd	0.089	nd	0.089	nd	0.088	
69																												
70	Stack Gas Flowrate		dscfm		45,700		47,200		47,600		45,100		47,800		46,100		45,700		47,200		47,600		45,100		47,800		46,100	
71	O2		%		12.1		11.8		11.8		12.3		11.2		11.1		12.1		11.8		11.8		12.3		11.2		11.1	
72																												
73	<i>Feedrate MTEC Calculations</i>																											
74	Chlorine		ug/dscm		65,067		93,960		69,750		80,136		137,442		117,286	nd	163,817	nd	152,577	nd	152,150	nd	169,813	nd	141,438	nd	145,172	
75	Antimony		ug/dscm	nd	278	nd	440	nd	435	nd	402	nd	687	nd	622	nd	7,363	nd	7,646	nd	6,077	nd	8,481	nd	6,353	nd	6,520	
76	Arsenic		ug/dscm		976		991		915		1,107		1,374		1,312	nd	736	nd	764	nd	759	nd	847	nd	706	nd	725	
77	Barium		ug/dscm		2,135		2,534		2,009		2,003		3,588		3,248	nd	16,382	nd	15,258	nd	15,215	nd	16,981	nd	14,144	nd	14,517	
78	Beryllium		ug/dscm		130		177		109		135		229		208	nd	410	nd	382	nd	303	nd	425	nd	352	nd	362	
79	Cadmium		ug/dscm		22		142		183		50	nd	30		42	nd	410	nd	382	nd	303	nd	425	nd	352	nd	362	
80	Chromium		ug/dscm		883		1,215		610		652		1,071		968		2,209		3,827		3,111		4,236		2,821		2,756	
81	Chromium (Hex)		ug/dscm		0		0		0		0		0		0		0		0		0		0		0		0	
82	Lead		ug/dscm		325		606		524		652		1,071		828		3,028		3,827		3,795		4,236		5,226		3,625	
83	Mercury		ug/dscm		14		17		13		21		30		27	nd	81	nd	76	nd	75	nd	84	nd	70	nd	72	
84	Nickel		ug/dscm		1,022		940		524		551		991		968		3,276		3,827		4,564		5,094		3,532		3,625	
85	Silver		ug/dscm	nd	28	nd	44	nd	43	nd	40	nd	53	nd	62	nd	736	nd	764	nd	609	nd	847	nd	636	nd	653	
86	Thallium		ug/dscm	nd	37	nd	32	nd	36	nd	44	nd	62	nd	62	nd	736	nd	764	nd	759	nd	847	nd	706	nd	725	
87	SVM		ug/dscm		347		748		707		702		1,086		870		3,233		4,018		3,947		4,448		5,402		3,806	
88	LVM		ug/dscm		1,988		2,383		1,634		1,893		2,675		2,488		2,782		4,400		3,643		4,872		3,350		3,299	

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC
61	Cadmium	0.119		0.005		0.045		0.055		0.028		0.025		4.390		2.810		3.500		3.080		1.260		2.440		0.242	
62	Chromium	0.248		0.033		0.181		0.199		0.063		0.048		0.022		0.017		0.025		0.024		0.010		0.019		1.830	
63	Chromium (Hex)													0.000												1.550	
64	Lead	0.275		0.033		0.416		0.442		0.353		0.318		0.018		0.026		0.011		0.024		0.012		0.023		0.295	
65	Mercury					0.000		0.000		0.000										0.000				0.000		0.000	
66	Nickel	0.032		0.020		0.064		0.074		0.009				0.005		0.004		0.005		0.004		0.002		0.004		0.051	
67	Silver							0.004																			
68	Thallium											0.002															
69																											
70	Stack Gas Flowrate	45,700		47,200		47,600		45,100		47,800		46,100		45,700		47,200		47,600		45,100		47,800		46,100		45,700	
71	O2	12.1		11.8		11.8		12.3		11.2		11.1		12.1		11.8		11.8		12.3		11.2		11.1		12.1	
72																											
73	<i>Feedrate MTEC Calculati</i>																										
74	Chlorine	1,095,184		342,221		306,864		386,372		178,196		208,326		0		0		0		0		0		0		0	
75	Antimony	0		0		0		0		3,564		3,904		0		7		11		13		5		9		177	
76	Arsenic	0		34		32		27		0		0		807		1,060		1,436		2,328		911		1,813		144	
77	Barium	18,959		0		7,753		7,031		1,630		1,370		0		0		0		0		0		0		6	
78	Beryllium	0		0		0		0		0		0		0		0		0		0		0		0		0	
79	Cadmium	1,095		40		388		528		222		204		40,402		24,223		29,917		29,383		10,068		20,012		2,227	
80	Chromium	2,282		285		1,547		1,898		504		390		202		145		209		224		79		157		16,842	
81	Chromium (Hex)	0		0		0		0		0		0		0		0		0		0		0		0		14,265	
82	Lead	2,531		285		3,556		4,217		2,821		2,608		161		225		90		229		96		191		2,715	
83	Mercury	0		0		4		4		2		0		0		0		0		0		0		0		1	
84	Nickel	296		171		549		702		74		0		44		31		39		42		15		30		473	
85	Silver	0		0		0		42		0		0		0		0		0		0		0		0		0	
86	Thallium	0		0		0		0		0		20		0		0		0		0		0		0		0	
87	SVM	3,626		325		3,944		4,744		3,043		2,812		40,563		24,448		30,007		29,612		10,164		20,204		4,942	
88	LVM	2,282		320		1,579		1,926		504		390		1,009		1,205		1,645		2,552		990		1,970		16,985	

	B	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB
61	Cadmium	0.107	0.116	0.162	0.056	0.051	0.484	0.033	0.157	0.113	0.080	0.100														
62	Chromium	0.882	0.954	1.340	1.220	1.100	0.066	0.001	0.015	0.017	0.011	0.014														
63	Chromium (Hex)	0.722	0.781	1.090	1.080	0.971	0.001	0.000	0.001	0.000	0.000	0.000														
64	Lead	0.102	0.110	0.154	0.131	0.118	3.920	0.938	2.830	1.320	0.908	1.130														
65	Mercury	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000														
66	Nickel	0.023	0.024	0.034	0.030	0.027	0.097	0.019	0.070	0.036	0.034	0.042														
67	Silver																									
68	Thallium																									
69																										
70	Stack Gas Flowrate	47,200	47,600	45,100	47,800	46,100	45,700	47,200	47,600	45,100	47,800	46,100	45,700	47,200	47,600	45,100	47,800	46,100	45,700	47,200	47,600	45,100	47,800	46,100	45,700	47,200
71	O2	11.8	11.8	12.3	11.2	11.1	12.1	11.8	11.8	12.3	11.2	11.1	12.1	11.8	11.8	12.3	11.2	11.1	12.1	11.8	11.8	12.3	11.2	11.1	12.1	11.8
72																										
73	<i>Feedrate MTEC Calculati</i>																									
74	Chlorine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Antimony	74	79	124	93	87	64	27	109	62	31	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	Arsenic	55	59	93	37	35	387	19	87	50	31	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77	Barium	8	8	13	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Beryllium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	38	0
79	Cadmium	922	992	1,545	448	416	4,454	288	1,342	1,078	642	820	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	Chromium	7,603	8,155	12,784	9,749	9,022	609	11	130	165	89	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Chromium (Hex)	6,224	6,676	10,399	8,630	7,964	8	3	8	2	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Lead	879	940	1,469	1,047	968	36,077	8,086	24,190	12,593	7,256	9,268	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Mercury	1	1	1	1	1	5	1	3	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Nickel	194	208	324	239	221	891	165	597	342	268	343	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Silver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Thallium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	SVM	1,802	1,932	3,015	1,495	1,384	40,531	8,374	25,532	13,671	7,897	10,088	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	LVM	7,658	8,214	12,876	9,786	9,057	996	31	217	215	120	153	41	38	0	0	0	0	0	0	0	0	0	0	0	0

	B	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	
61	Cadmium																										
62	Chromium																										
63	Chromium (Hex)																										
64	Lead																										
65	Mercury																										
66	Nickel																										
67	Silver																										
68	Thallium																										
69																											
70	Stack Gas Flowrate		47,600		45,100		47,800		46,100																		
71	O2		11.8		12.3		11.2		11.1																		
72																											
73	<i>Feedrate MTEC Calculati</i>																										
74	Chlorine		0		0		0		0		0		0		0		0		0		0		1,324,068		588,758		
75	Antimony		0		0		0		0		241		108		199		199		129		135		7,882		8,195		
76	Arsenic		0		0		0		0		1,337		1,135		1,583		2,470		979		1,886		3,049		2,924		
77	Barium		0		0		0		0		6		8		8		13		9		8		37,482		17,800		
78	Beryllium		38		42		35		36		41		38		38		42		35		36		580		597		
79	Cadmium		0		0		0		0		47,084		25,433		32,251		32,007		11,158		21,248		48,611		25,997		
80	Chromium		0		0		0		0		17,653		7,759		8,494		13,173		9,918		9,293		23,026		13,087		
81	Chromium (Hex)		0		0		0		0		14,273		6,226		6,684		10,401		8,633		7,967		14,273		6,226		
82	Lead		0		0		0		0		38,953		9,190		25,220		14,291		8,398		10,427		44,836		13,909		
83	Mercury		0		0		0		0		6		2		4		3		2		3		101		95		
84	Nickel		0		0		0		0		1,408		390		844		708		522		594		6,003		5,328		
85	Silver		0		0		0		0		0		0		0		0		0		0		765		807		
86	Thallium		0		0		0		0		0		0		0		0		0		0		773		796		
87	SVM		0		0		0		0		86,036		34,623		57,471		46,298		19,557		31,675		93,242		39,715		
88	LVM		38		42		35		36		19,031		8,932		10,114		15,685		10,932		11,216		26,082		16,035		

	B	DB	DC	DD	DE	DF	DG	DH	DI	DJ
61	Cadmium									
62	Chromium									
63	Chromium (Hex)									
64	Lead									
65	Mercury									
66	Nickel									
67	Silver									
68	Thallium									
69										
70	Stack Gas Flowrate									
71	O2									
72										
73	<i>Feedrate MTEC Calculati</i>									
74	Chlorine	528,763	636,321	457,076	470,784	667,628				
75	Antimony	6,711	9,081	10,733	11,181	8,964				
76	Arsenic	3,288	4,451	3,060	3,924	3,449				
77	Barium	24,985	26,028	19,370	19,143	24,135				
78	Beryllium	451	601	617	606	575				
79	Cadmium	33,125	33,009	11,763	21,856	29,060				
80	Chromium	13,763	19,959	14,313	13,408	16,259				
81	Chromium (Hex)	6,684	10,401	8,633	7,967	9,031				
82	Lead	33,095	23,395	17,516	17,489	25,040				
83	Mercury	96	112	104	102	102				
84	Nickel	6,481	7,056	5,119	5,187	5,862				
85	Silver	652	929	689	714	759				
86	Thallium	795	891	768	806	805				
87	SVM	66,068	56,192	29,088	39,164	53,912				
88	LVM	16,970	24,375	17,461	17,394	19,720				

	B	C	D	E	F	G
1	Process Information 1					
2						
3	207C10		CoC, max op	R1	R2	R3
4						
5	ESP Power	kVA	min HRA	13	15	15
6	ESP Inlet Temp	F	max HRA	439.9	441.4	442.3
7	Combustion Temp	F	max HRA	1538	1545	1573
8						
9	207C11		trial burn, D/F	R1	R2	R3
10						
11	ESP Power	kVA	min HRA	11.5	12	12.3
12	ESP Inlet Temp	F	RA	not available		
13	Combustion Temp	F	RA	1295.3	1274	1272.9
14						
15	207C12		CoC, max op	R1	R2	R3
16						
17	ESP Power	kVA	min HRA	14	17	21.6
18	ESP Inlet Temp	F	RA	492.7	498.1	491.2
19	Combustion Temp	F	RA	1514	1541	1525.6

	C	D	E	F	G	H	I	J
1	Process Information 2							
2								
3	207C1		R1	R2	R3	R4		
4								
5	Combustion Temperature	F	1560	1546	1544	1553		
6	ESP Temperature	F	423	418	417	416		
7	ESP Power	kVA	23	27	26	22		
8								
9	207C2		R1	R2	R3	R4	R5	R6
10								
11	Combustion Temperature	F	1562	1541	1515	1511	1548	1512
12	ESP Temperature	F	422	410	415	403	393	407
13	ESP Power	kVA	23	23	23	19	21	23

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	PCDD/PCDF																	
2	N																	
3	Facility Name and ID:		Keystone Cement, Bath PA															
4	Condition ID:		207C10															
5	Condition/Test Date:		CoC, Sept 25, 1998															
6																		
7	I-TEF		Run 1				Run 2				Run 3							
8	Wght Fact		Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ		
9			Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND
10	Sample catch (pg)																	
11	2,3,7,8-TCDD		1	10	10.0	10.0	10.0	nd	8	8.0	4.0	4.0	nd	4	4.0	2.0	2.0	
12	TCDD Total		0	570	0.0	570.0	0.0	610	0.0	610.0	0.0	1000	0.0	1000.0	0.0	1000.0	0.0	
13	1,2,3,7,8-PCDD		0.5	nd	6	3.0	3.0	1.5	nd	10	5.0	5.0	2.5	6	3.0	6.0	3.0	
14	PCDD Total		0	300	0.0	300.0	0.0	500	0.0	500.0	0.0	830	0.0	830.0	0.0	830.0	0.0	
15	1,2,3,4,7,8-HxCDD		0.1	nd	10	1.0	5.0	0.5	nd	20	2.0	10.0	1.0	nd	10	1.0	5.0	0.5
16	1,2,3,6,7,8-HxCDD		0.1	10	1.0	10.0	1.0	30	3.0	30.0	3.0	50	5.0	50.0	5.0	50.0	5.0	
17	1,2,3,7,8,9-HxCDD		0.1	nd	10	1.0	5.0	0.5	30	3.0	30.0	3.0	30	3.0	30.0	3.0	30.0	3.0
18	HxCDD Total		0	720	0.0	720.0	0.0	1400	0.0	1400.0	0.0	1800	0.0	1800.0	0.0	1800.0	0.0	
19	1,2,3,4,6,7,8-HpCDD		0.01	90	0.9	90.0	0.9	210	2.1	210.0	2.1	310	3.1	310.0	3.1	310.0	3.1	
20	HpCDD Total		0	220	0.0	220.0	0.0	470	0.0	470.0	0.0	720	0.0	720.0	0.0	720.0	0.0	
21	OCDD		0.001	130	0.1	130.0	0.1	180	0.2	180.0	0.2	250	0.3	250.0	0.3	250.0	0.3	
22	2,3,7,8-TCDF		0.1	nd	4	0.4	2.0	0.2	nd	6	0.6	3.0	0.3	nd	3	0.3	1.5	0.2
23	TCDF Total		0	nd	4	0.0	2.0	0.0	20	0.0	20.0	0.0	10	0.0	10.0	0.0		
24	1,2,3,7,8-PCDF		0.05	nd	4	0.2	2.0	0.1	nd	8	0.4	4.0	0.2	nd	4	0.2	2.0	0.1
25	2,3,4,7,8-PCDF		0.5	nd	4	2.0	2.0	1.0	nd	8	4.0	4.0	2.0	nd	4	2.0	2.0	1.0
26	PCDF Total		0	nd	4	0.0	2.0	0.0	nd	8	0.0	4.0	0.0	nd	4	0.0	2.0	0.0
27	1,2,3,4,7,8-HxCDF		0.1	nd	6	0.6	3.0	0.3	nd	10	1.0	5.0	0.5	nd	6	0.6	3.0	0.3
28	1,2,3,6,7,8-HxCDF		0.1	nd	6	0.6	3.0	0.3	nd	10	1.0	5.0	0.5	nd	5	0.5	2.5	0.3
29	2,3,4,6,7,8-HxCDF		0.1	nd	7	0.7	3.5	0.4	nd	10	1.0	5.0	0.5	nd	7	0.7	3.5	0.4
30	1,2,3,7,8,9-HxCDF		0.1	nd	8	0.8	4.0	0.4	nd	10	1.0	5.0	0.5	nd	7	0.7	3.5	0.4
31	HxCDF Total		0	nd	6	0.0	3.0	0.0	nd	20	0.0	10.0	0.0	nd	6	0.0	3.0	0.0
32	1,2,3,4,6,7,8-HpCDF		0.01	nd	8	0.1	4.0	0.0	nd	20	0.2	10.0	0.1	nd	7	0.1	3.5	0.0
33	1,2,3,4,7,8,9-HpCDF		0.01	nd	10	0.1	5.0	0.1	nd	20	0.2	10.0	0.1	nd	10	0.1	5.0	0.1
34	HpCDF Total		0	nd	8	0.0	4.0	0.0	nd	20	0.0	10.0	0.0	nd	9	0.0	4.5	0.0
35	OCDF		0.001	nd	10	0.0	5.0	0.0	nd	20	0.0	10.0	0.0	nd	10	0.0	5.0	0.0
36																		
37	Gas sample volume (dscf)				111.45	111.45	111.45	110.792	110.792	110.792	114.04	114.04	114.04					
38	O2 (%)				11.7	11.7	11.7	12.4	12.4	12.4	12.1	12.1	12.1					
39																		
40	PCDD/PCDF (sample catch, ng)				0.023	1.956	0.017	0.033	3.214	0.020	0.025	4.625	0.019					
41	PCDD/PCDF (ng/dscm @ 7% O2)				46.6	0.011	0.934	0.008	74.7	0.017	1.669	0.011	41.5	0.012	2.254	0.009		
42																		
43	TEQ Cond Avg		0.009															
44	Total Cond Avg		1.619															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1		PCDD/PCDF																	
2		N																	
3		Facility Name and ID:																	
4		Condition ID:																	
5		Condition/Test Date:																	
6																			
7			I-TEF				Run 1				Run 2					Run 3			
8			Wght Fact				Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	
9							Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	
10		Sample catch (pg)																	
11		2,3,7,8-TCDD	1				800	800.0	800.0	800.0	nd	78	78.0	39.0	39.0	500	500.0	500.0	500.0
12		TCDD Total	0				18000	0.0	18000.0	0.0		75	0.0	75.0	0.0	13000	0.0	13000.0	0.0
13		1,2,3,7,8-PCDD	0.5				2800	1400.0	2800.0	1400.0	nd	57	28.5	28.5	14.3	2500	1250.0	2500.0	1250.0
14		PCDD Total	0				33000	0.0	33000.0	0.0	nd	140	0.0	70.0	0.0	28000	0.0	28000.0	0.0
15		1,2,3,4,7,8-HxCDD	0.1				1300	130.0	1300.0	130.0	nd	42	4.2	21.0	2.1	1100	110.0	1100.0	110.0
16		1,2,3,6,7,8-HxCDD	0.1				1800	180.0	1800.0	180.0	nd	46	4.6	23.0	2.3	1500	150.0	1500.0	150.0
17		1,2,3,7,8,9-HxCDD	0.1				3200	320.0	3200.0	320.0	nd	40	4.0	20.0	2.0	2800	280.0	2800.0	280.0
18		HxCDD Total	0				27000	0.0	27000.0	0.0		25	0.0	25.0	0.0	22000	0.0	22000.0	0.0
19		1,2,3,4,6,7,8-HpCDD	0.01				5600	56.0	5600.0	56.0	nd	88	0.9	44.0	0.4	5300	53.0	5300.0	53.0
20		HpCDD Total	0				14000	0.0	14000.0	0.0	nd	88	0.0	44.0	0.0	14000	0.0	14000.0	0.0
21		OCDD	0.001				4100	4.1	4100.0	4.1		84	0.1	84.0	0.1	3900	3.9	3900.0	3.9
22		2,3,7,8-TCDF	0.1				180	18.0	180.0	18.0	nd	120	12.0	60.0	6.0	75	7.5	75.0	7.5
23		TCDF Total	0				1800	0.0	1800.0	0.0	nd	130	0.0	65.0	0.0	1300	0.0	1300.0	0.0
24		1,2,3,7,8-PCDF	0.05				130	6.5	130.0	6.5	nd	72	3.6	36.0	1.8	61	3.1	61.0	3.1
25		2,3,4,7,8-PCDF	0.5	nd			160	80.0	80.0	40.0	nd	65	32.5	32.5	16.3	58	29.0	58.0	29.0
26		PCDF Total	0				2800	0.0	2800.0	0.0		74	0.0	74.0	0.0	2400	0.0	2400.0	0.0
27		1,2,3,4,7,8-HxCDF	0.1				150	15.0	150.0	15.0		24	2.4	24.0	2.4	140	14.0	140.0	14.0
28		1,2,3,6,7,8-HxCDF	0.1				150	15.0	150.0	15.0		28	2.8	28.0	2.8	170	17.0	170.0	17.0
29		2,3,4,6,7,8-HxCDF	0.1	nd			140	14.0	70.0	7.0		14	1.4	14.0	1.4	42	4.2	42.0	4.2
30		1,2,3,7,8,9-HxCDF	0.1	nd			150	15.0	75.0	7.5	nd	18	1.8	9.0	0.9	28	2.8	14.0	1.4
31		HxCDF Total	0				2800	0.0	2800.0	0.0		91	0.0	91.0	0.0	2600	0.0	2600.0	0.0
32		1,2,3,4,6,7,8-HpCDF	0.01				250	2.5	250.0	2.5		25	0.3	25.0	0.3	210	2.1	210.0	2.1
33		1,2,3,4,7,8,9-HpCDF	0.01	nd			100	1.0	50.0	0.5	nd	24	0.2	12.0	0.1	60	0.6	60.0	0.6
34		HpCDF Total	0				470	0.0	470.0	0.0		25	0.0	25.0	0.0	550	0.0	550.0	0.0
35		OCDF	0.001				290	0.3	290.0	0.3		77	0.1	77.0	0.1	250	0.3	250.0	0.3
36																			
37		Gas sample volume (dscf)						120.059	120.059	120.059			122.925	122.925	122.925		126.494	126.494	126.494
38		O2 (%)						9.7	9.7	9.7			9.5	9.5	9.5		9.9	9.9	9.9
39																			
40		PCDD/PCDF (sample catch, ng)						3.057	104.260	3.002			0.177	0.630	0.092		2.427	88.000	2.426
41		PCDD/PCDF (ng/dscm @ 7% O2)		3.6				1.115	38.018	1.095	96.0		0.062	0.220	0.032	0.1	0.855	31.005	0.855
42																			
43		TEQ Cond Avg						0.661											
44		Total Cond Avg						23.081											

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1		PCDD/PCDF																	
2		N																	
3		Facility Name and ID:			Keystone Cement, Bath PA, Kiln No. 1														
4		Condition ID:			207C12														
5		Condition/Test Date:			ReCoC, Aug 30, 2000														
6																			
7					I-TEF		Run 1				Run 2				Run 3				
8					Wght Fact		Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	Total	TEQ	
9							Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	Full ND	Full ND	1/2 ND	1/2 ND	
10		Sample catch (ng)																	
11		2,3,7,8-TCDD	1	nd	0.0041	0.0041	0.0	0.00205	0.019	0.019	0.0	0.019	nd	0.0029	0.0029	0.0	0.00145		
12		TCDD Total	0		1.1	0	1.1	0	3.8	0	3.8	0	1.8	0	1.8	0			
13		1,2,3,7,8-PCDD	0.5		0.0049	0.00245	0.0	0.00245	0.033	0.0165	0.0	0.0165	nd	0.0019	0.00095	0.0	0.000475		
14		PCDD Total	0		0.51	0	0.5	0	3.1	0	3.1	0	0.65	0	0.7	0			
15		1,2,3,4,7,8-HxCDD	0.1		0.0055	0.00055	0.0	0.00055	0.031	0.0031	0.0	0.0031	0.0048	0.00048	0.0	0.00048			
16		1,2,3,6,7,8-HxCDD	0.1		0.015	0.0015	0.0	0.0015	0.11	0.011	0.1	0.011	0.016	0.0016	0.0	0.0016			
17		1,2,3,7,8,9-HxCDD	0.1		0.013	0.0013	0.0	0.0013	0.087	0.0087	0.1	0.0087	0.012	0.0012	0.0	0.0012			
18		HxCDD Total	0		0.062	0	0.1	0	4.1	0	4.1	0	0.67	0	0.7	0			
19		1,2,3,4,6,7,8-HpCDD	0.01		0.13	0.0013	0.1	0.0013	0.89	0.0089	0.9	0.0089	0.12	0.0012	0.1	0.0012			
20		HpCDD Total	0		0.024	0	0.0	0	1.7	0	1.7	0	0.24	0	0.2	0			
21		OCDD	0.001		0.016	0.000016	0.0	0.000016	0.063	6.3E-05	0.1	6.3E-05	0.14	0.00014	0.1	0.00014			
22		2,3,7,8-TCDF	0.1		0.011	0.0011	0.0	0.0011	0.05	0.005	0.1	0.005	0.019	0.0019	0.0	0.0019			
23		TCDF Total	0		0.072	0	0.1	0	0.33	0	0.3	0	0.14	0	0.1	0			
24		1,2,3,7,8-PCDF	0.05	nd	0.0017	0.000085	0.0	4.25E-05	nd	0.0087	0.00044	0.0	0.00022	nd	0.0021	0.000105	0.0	5.25E-05	
25		2,3,4,7,8-PCDF	0.5	nd	0.0042	0.0021	0.0	0.00105	nd	0.018	0.009	0.0	0.0045	nd	0.0061	0.00305	0.0	0.001525	
26		PCDF Total	0		0.019	0	0.0	0	0.14	0	0.1	0	0.032	0	0.0	0			
27		1,2,3,4,7,8-HxCDF	0.1		0.0031	0.00031	0.0	0.00031	0.019	0.0019	0.0	0.0019	0.003	0.0003	0.0	0.0003			
28		1,2,3,6,7,8-HxCDF	0.1	nd	0.0016	0.00016	0.0	0.00008	0.0086	0.00086	0.0	0.00086	0.015	0.0015	0.0	0.0015			
29		2,3,4,6,7,8-HxCDF	0.1	nd	0.0028	0.00028	0.0	0.00014	nd	0.017	0.0017	0.0	0.00085	nd	0.0043	0.00043	0.0	0.000215	
30		1,2,3,7,8,9-HxCDF	0.1	nd	0.0024	0.00024	0.0	0.00012	nd	0.0041	0.00041	0.0	0.00021	nd	0.002	0.0002	0.0	0.0001	
31		HxCDF Total	0		0.0062	0	0.0	0	0.067	0	0.1	0	0.086	0	0.1	0			
32		1,2,3,4,6,7,8-HpCDF	0.01		0.0057	0.000057	0.0	0.000057	0.029	0.00029	0.0	0.00029	0.0053	0.000053	0.0	0.000053			
33		1,2,3,4,7,8,9-HpCDF	0.01	nd	0.0026	0.000026	0.0	0.000013	0.0061	6.1E-05	0.0	6.1E-05	nd	0.025	0.00025	0.0	0.000125		
34		HpCDF Total	0		0.0089	0	0.0	0	0.058	0	0.1	0	0.058	0	0.1	0			
35		OCDF	0.001	nd	0.0064	6.4E-06	0.0	3.2E-06	nd	0.018	1.8E-05	0.0	9E-06	nd	0.005	0.000005	0.0	2.5E-06	
36																			
37		Gas sample volume (dscf)				121.363	121.363	121.363		116.367	116.367	116.367		118.469	118.469	118.469			
38		O2 (%)				13	13	13		12.7	12.7	12.7		12.7	12.7	12.7			
39																			
40		PCDD/PCDF (sample catch, ng)				0.016	1.821	0.012		0.087	13.367	0.081		0.016	3.819	0.012			
41		PCDD/PCDF (ng/dscm @ 7% O2)	44.9			0.00794	0.928	0.00616	13.3	0.045	6.846	0.042	48.5	0.00818	1.921	0.00620			
42																			
43		TEQ Cond Avg			0.018														
44		Total Cond Avg			3.232														

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	207C1	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1	1	0.0083	0.0041	0.0041	1	0.0063	0.0031	0.0031	1	0.0058	0.0029	0.0029
6	4D Other	0		1.1221	1.1221	0.0000		0.6644	0.6644	0.0000		0.8530	0.8530	0.0000
7	4D Total	0		1.1303	1.1303	0.0000		0.6707	0.6707	0.0000		0.8588	0.8588	0.0000
8	5D 12378	0.5	1	0.0046	0.0023	0.0012	1	0.0023	0.0012	0.0006	1	0.0031	0.0016	0.0008
9	5D Other	0		0.4896	0.4896	0.0000		0.3040	0.3040	0.0000		0.5720	0.5720	0.0000
10	5D Total	0		0.4942	0.4942	0.0000		0.3064	0.3064	0.0000		0.5751	0.5751	0.0000
11	6D 123478	0.1		0.0047	0.0047	0.0005	1	0.0054	0.0027	0.0003	1	0.0034	0.0017	0.0002
12	6D 123678	0.1		0.0117	0.0117	0.0012		0.0111	0.0111	0.0011		0.0243	0.0243	0.0024
13	6D 123789	0.1		0.0057	0.0057	0.0006		0.0072	0.0072	0.0007	1	0.0125	0.0062	0.0006
14	6D Other	0		0.3528	0.3528	0.0000		0.3068	0.3068	0.0000		0.7207	0.7207	0.0000
15	6D Total	0		0.3749	0.3749	0.0000		0.3305	0.3305	0.0000		0.7608	0.7608	0.0000
16	7D 1234678	0.01		0.0412	0.0412	0.0004		0.0540	0.0540	0.0005		0.1292	0.1292	0.0013
17	7D Other	0		0.0415	0.0415	0.0000		0.0495	0.0495	0.0000		0.1150	0.1150	0.0000
18	7D Total	0		0.0826	0.0826	0.0000		0.1035	0.1035	0.0000		0.2442	0.2442	0.0000
19	8D	0.001	1	0.4487	0.2244	0.0002	1	0.4222	0.2111	0.0002		0.0480	0.0480	0.0000
20	4F 2378	0.1		0.0030	0.0030	0.0003		0.0022	0.0022	0.0002	1	0.0029	0.0014	0.0001
21	4F Other	0		0.0782	0.0782	0.0000		0.0596	0.0596	0.0000		0.0629	0.0629	0.0000
22	4F Total	0		0.0812	0.0812	0.0000		0.0618	0.0618	0.0000		0.0658	0.0658	0.0000
23	5F 12378	0.05		0.0026	0.0026	0.0001		0.0044	0.0044	0.0002	1	0.0009	0.0004	0.0000
24	5F 23478	0.5		0.0021	0.0021	0.0011		0.0059	0.0059	0.0029		0.0044	0.0044	0.0022
25	5F Other	0		0.0276	0.0276	0.0000		0.0348	0.0348	0.0000		0.0226	0.0226	0.0000
26	5F Total	0		0.0324	0.0324	0.0000		0.0451	0.0451	0.0000		0.0279	0.0279	0.0000
27	6F 123478	0.1	1	0.0035	0.0018	0.0002	1	0.0059	0.0029	0.0003	1	0.0010	0.0005	0.0001
28	6F 123678	0.1	1	0.0019	0.0009	0.0001	1	0.0045	0.0022	0.0002	1	0.0009	0.0005	0.0000
29	6F 123789	0.1	1	0.0018	0.0009	0.0001	1	0.0045	0.0023	0.0002	1	0.0010	0.0005	0.0001
30	6F 234678	0.1	1	0.0020	0.0010	0.0001	1	0.0008	0.0004	0.0000	1	0.0003	0.0002	0.0000
31	6F Other	0		-0.0050	-0.0050	0.0000		0.0042	0.0042	0.0000		0.0078	0.0078	0.0000
32	6F Total	0		0.0042	0.0042	0.0000		0.0199	0.0199	0.0000		0.0111	0.0111	0.0000
33	7F 1234678	0.01		0.0072	0.0072	0.0001		0.0131	0.0131	0.0001		0.0072	0.0072	0.0001
34	7F 1234789	0.01	1	0.0035	0.0017	0.0000	1	0.0037	0.0019	0.0000	1	0.0029	0.0015	0.0000
35	7F Other	0		-0.0048	-0.0048	0.0000		-0.0031	-0.0031	0.0000		-0.0003	-0.0003	0.0000
36	7F Total	0		0.0059	0.0059	0.0000		0.0137	0.0137	0.0000		0.0098	0.0098	0.0000
37	8F	0.001		0.0072	0.0072	0.0000		0.0059	0.0059	0.0000		0.0043	0.0043	0.0000
38	Total PCDD/PCDF			2.6616	2.4372			1.9795	1.7684			2.6056	2.6056	
39	TEQ		74.1	0.0162		0.0102	63.1	0.0159		0.0109	61.4	0.0156		0.0108

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	207C3	I-TEF			R1				R2				R3	
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		Total	Total	TEQ
3	ng/dscm			Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND
4														
5	4D 2378	1		0.0122	0.0122	0.0122		0.0043	0.0043	0.0043		0.0036	0.0036	0.0036
6	4D Other	0		0.2326	0.2326	0.0000		0.0304	0.0304	0.0000		0.0809	0.0809	0.0000
7	4D Total	0		0.2448	0.2448	0.0000		0.0347	0.0347	0.0000		0.0846	0.0846	0.0000
8	5D 12378	0.5		0.0245	0.0245	0.0122		0.0087	0.0087	0.0043		0.0081	0.0081	0.0040
9	5D Other	0		0.1591	0.1591	0.0000		0.0173	0.0173	0.0000		0.0886	0.0886	0.0000
10	5D Total	0		0.1836	0.1836	0.0000		0.0260	0.0260	0.0000		0.0966	0.0966	0.0000
11	6D 123478	0.1		0.0122	0.0122	0.0012		0.0087	0.0087	0.0009		0.0040	0.0040	0.0004
12	6D 123678	0.1		0.0122	0.0122	0.0012		0.0087	0.0087	0.0009		0.0040	0.0040	0.0004
13	6D 123789	0.1		0.0286	0.0286	0.0029		0.0130	0.0130	0.0013		0.0081	0.0081	0.0008
14	6D Other	0		0.1714	0.1714	0.0000		0.0434	0.0434	0.0000		0.0886	0.0886	0.0000
15	6D Total	0		0.2244	0.2244	0.0000		0.0737	0.0737	0.0000		0.1047	0.1047	0.0000
16	7D 1234678	0.01		0.0653	0.0653	0.0007		0.0347	0.0347	0.0003		0.0201	0.0201	0.0002
17	7D Other	0		0.0735	0.0735	0.0000		0.0130	0.0130	0.0000		0.0322	0.0322	0.0000
18	7D Total	0		0.1387	0.1387	0.0000		0.0477	0.0477	0.0000		0.0524	0.0524	0.0000
19	8D	0.001		0.1183	0.1183	0.0001		0.0824	0.0824	0.0001		0.0846	0.0846	0.0001
20	4F 2378	0.1		0.0286	0.0286	0.0029		0.0026	0.0026	0.0003		0.0242	0.0242	0.0024
21	4F Other	0		0.6652	0.6652	0.0000		0.0711	0.0711	0.0000		0.4591	0.4591	0.0000
22	4F Total	0		0.6937	0.6937	0.0000		0.0737	0.0737	0.0000		0.4832	0.4832	0.0000
23	5F 12378	0.05		0.0122	0.0122	0.0006		0.0035	0.0035	0.0002		0.0081	0.0081	0.0004
24	5F 23478	0.5		0.0245	0.0245	0.0122		0.0043	0.0043	0.0022		0.0201	0.0201	0.0101
25	5F Other	0		0.1796	0.1796	0.0000		0.0269	0.0269	0.0000		0.0846	0.0846	0.0000
26	5F Total	0		0.2163	0.2163	0.0000		0.0347	0.0347	0.0000		0.1128	0.1128	0.0000
27	6F 123478	0.1		0.0245	0.0245	0.0024		0.0130	0.0130	0.0013		0.0201	0.0201	0.0020
28	6F 123678	0.1		0.0122	0.0122	0.0012		0.0043	0.0043	0.0004		0.0081	0.0081	0.0008
29	6F 123789	0.1		0.0012	0.0012	0.0001	1	0.0030	0.0015	0.0002	1	0.0016	0.0008	0.0001
30	6F 234678	0.1		0.0163	0.0163	0.0016		0.0087	0.0087	0.0009		0.0081	0.0081	0.0008
31	6F Other	0		0.0518	0.0518	0.0000		0.0143	0.0143	0.0000		0.0346	0.0346	0.0000
32	6F Total	0		0.1061	0.1061	0.0000		0.0434	0.0434	0.0000		0.0725	0.0725	0.0000
33	7F 1234678	0.01		0.0204	0.0204	0.0002		0.0130	0.0130	0.0001		0.0081	0.0081	0.0001
34	7F 1234789	0.01		0.0037	0.0037	0.0000		0.0035	0.0035	0.0000		0.0016	0.0016	0.0000
35	7F Other	0		0.0086	0.0086	0.0000		0.0009	0.0009	0.0000		0.0024	0.0024	0.0000
36	7F Total	0		0.0326	0.0326	0.0000		0.0173	0.0173	0.0000		0.0121	0.0121	0.0000
37	8F	0.001		0.0122	0.0122	0.0000		0.0130	0.0130	0.0000		0.0040	0.0040	0.0000
38	Total PCDD/PCDF			1.9710	1.9710			0.4466	0.4466			1.1074	1.1074	
39	TEQ		0.0	0.0520		0.0520	1.7	0.0178		0.0177	0.6	0.0263		0.0262