

	B	C
1	Source Description	
2		
3	Phase I ID No.	404
4	EPA ID No.	ARD981512270
5	Facility Name	Ash Grove Cement Company
6	Facility Location	
7	City	Foreman
8	State	AR
9	Unit ID Name/No.	Kiln No. 3
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	SCA = 580, 4 fields, 20 years old, recently rebuilt to meet 0.04 gr/dscf
19	Hazardous Wastes	Liq, solid
20	Haz Waste Description	Solid haz waste and tires fired in mid-kiln hatch
21	Supplemental Fuel	Coal, natural gas
22		coke
23	Stack Characteristics	
24	Diameter (ft)	11.5
25	Height (ft)	150.0
26	Gas Velocity (ft/sec)	13.2
27	Gas Temperature (°F)	489.1
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	404C10	
4		
5	Report Name/Date	RCRA Cement Kiln Test Burn Report Kiln 3, April 1998
6	Report Prepare	Ash Grove Cement
7	Testing Firm	AirSource Technologies
8	Testing Dates	January 15-16, 1998
9	Cond Dates	Jan-98
10	Condition Descr	Trial burn: Max comb temp, max metals, chlorine, raw material feedrate, max APCD temp, min ESP power
11	Content	CO, HC, HCl/Cl2, metals, PM, D/F
12		
13	404C11	
14		
15	Report Name/Date	RCRA Cement Kiln Test Burn Report Kiln 3, April 1998
16	Report Prepare	Ash Grove Cement
17	Testing Firm	AirSource Technologies
18	Testing Dates	January 17, 1998
19	Cond Dates	Jan-98
20	Condition Descr	Risk burn normal oper cond
21	Content	PM, PSD
22		
23	404C1	
24		
25	Report Name/Date	Ash Grove Cement, Foreman Arkansas, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 3 - July 1992, dated November 1992
26	Report Prepare	Ash Grove
27	Testing Firm	Air Source Technologies
28	Cond Descr	CoC, HIGH COMB TEMP, MIN ESP POWER
29	Testing Dates	July 27, August 6, 1992
30	Cond Dates	Jul-92
31		
32	404C2	
33		
34	Report Name/Date	Ash Grove Cement, Foreman Arkansas, RCRA Trial Burn Report and Certification of Compliance for Kiln No. 3 - July 1992, dated November 1992
35	Report Prepare	Ash Grove
36	Testing Firm	Air Source Technologies
37	Cond Descr	CoC, LOW COMB TEMP, HIGH HW FEED
38	Testing Dates	July 25-26, 1992
39	Cond Dates	Jul-92
40		
41	404C3	
42		
43	Report Name/Date	Ash Grove Cement, Foreman Arkansas, Report of RCRA Trial Burn for Kiln No. 3, January 1995, dated June 1995
44	Report Prepare	Ash Grove
45	Testing Firm	Air Source Technologies
46	Cond Descr	CoC, MAX FEED & CHLORINE, MIN. COMB. TEMP.
47	Testing Dates	January 17-18, 1995
48	Cond Dates	Jan-95
49		
50	404C4	
51		
52	Report Name/Date	Ash Grove Cement, Foreman Arkansas, Report of RCRA Trial Burn for Kiln No. 3, January 1995, dated June 1995
53	Report Prepare	Ash Grove
54	Testing Firm	Air Source Technologies
55	Cond Descr	CoC, MAX FEED, PRODUCTION, CHLORINE, & COMB. TEMP. MIN ESP POWER
56	Testing Dates	Jan 19-21, 1995
57	Cond Dates	Jan-95
58		
59	404C5	
60		
61	Report Name/Date	Ash Grove Cement, Foreman Arkansas, Report of RCRA Trial Burn for Kiln No. 3, January 1995, dated June 1995
62	Report Prepare	Ash Grove
63	Testing Firm	Air Source Technologies
64	Cond Descr	CoC, PM MEASUREMENT
65	Testing Dates	Jan 21-23, 1995

	B	C
66	Cond Dates	Jan-95
67		
68	404C6	
69		
70	Report Name/Date	Data contained in letter from Steven Bales (Ash Grove) to Warren Owens (REI), dated November 18, 1993
71	Report Prepare	Ash Grove
72	Testing Firm	
73	Cond Descr	STUDY THE FORMATION OF DIOXINS & FURANS
74	Testing Dates	October 1, 1993
75	Cond Dates	Oct-93
76		
77	404C7	
78		
79	Report Name/Date	Emissions Testing of Ash Grove Cement Company, Foreman, Arkansas, Waste Derived Fuel Facility Cement Kiln No. 3, prepared for U.S. EPA OSW by EER under EPA Contract No. 68-D2-0164, Work Ass 2-07, May 19, 1995
80	Report Prepare	EER
81	Testing Firm	EER
82	Cond Descr	LOW KILN EXIT TEMP, LOW PARTICULATE MATTER LOADING
83	Testing Dates	January 18-19, 1995
84	Cond Dates	Jan-95
85		
86	404C8	
87		
88	Report Name/Date	Emissions Testing of Ash Grove Cement Company, Foreman, Arkansas, Waste Derived Fuel Facility Cement Kiln No. 3, prepared for U.S. EPA OSW by EER under EPA Contract No. 68-D2-0164, Work Ass 2-07, May 19, 1995
89	Report Prepare	EER
90	Testing Firm	EER
91	Cond Descr	EER/EPA sponsored research testing with copper and water quench
92	Testing Dates	Jan 19-23, 1995
93	Cond Dates	Jan-95
94		
95	404C9	
96		
97	Report Name/Date	Emissions Testing of Ash Grove Cement Company, Foreman, Arkansas, Waste Derived Fuel Facility Cement Kiln No. 3, prepared for U.S. EPA OSW by EER under EPA Contract No. 68-D2-0164, Work Ass 2-07, May 19, 1995
98	Report Prepare	EER
99	Testing Firm	EER
100	Cond Descr	NORMAL OPERATION, HIGH KILN EXIT TEMP
101	Testing Dates	January 25-26, 1995
102	Cond Dates	Jan-95
103		
104	404B1	
105		
106	Report Name/Date	Emissions Testing of Ash Grove Cement Company, Foreman, Arkansas, Waste Derived Fuel Facility Cement Kiln No. 3, prepared for U.S. EPA OSW by EER under EPA Contract No. 68-D2-0164, Work Ass 2-07, May 19, 1995
107	Report Prepare	EER
108	Testing Firm	EER
109	Cond Descr	NORMAL OPERATION, LOW KILN EXIT TEMP
110	Testing Dates	January 26, 1995
111	Cond Dates	Jan-95

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Stack Gas Emissions 1													
2														
3														
4	404C10	Max comb temp, max metals, i				R1		R2		R3		R4		Cond Avg
5														
6	PM	E1	gr/dscf	y		0.0086		0.023		0.0074		0.0055		0.0111
7														
8	CO (RA)	E1	ppmv	y		337		427		443		404		402.8
9	CO (MHRA)	E1	ppmv	y		608		576		659		451		573.5
10	HC (RA)	E1	ppmv	y		10.9		15.2		14.4		15		13.9
11	HC (MHRA)	E1	ppmv	y		16.6		17.8		20.7		16.3		17.9
12														
13	HCl		g/hr			6865		5761		8456		13944		
14	Cl2		g/hr			548		782		780		312		
15														
16	HCl	E1	ppmv	y		27.63		21.64		31.12		54.65		33.8
17	Cl2	E1	ppmv	y		1.13		1.51		1.48		0.63		1.19
18	Total Chlorine	E1	ppmv	y		29.89		24.67		34.08		55.91		36.1
19														
20	Antimony		ug/dscm	n		2.3		2.6		2.6		2		
21	Arsenic		ug/dscm	n		1.5		1.5		1.2		0.9		
22	Barium		ug/dscm	n		14.4		11.4		10.2		9		
23	Beryllium		ug/dscm	n		0.1		0.2		0.2		0.2		
24	Cadmium		ug/dscm	n		8.3		9.4		9.8		9.8		
25	Chromium		ug/dscm	n		10.6		12.6		9.5		7.5		
26	Lead		ug/dscm	n		121.9		132.3		138		146		
27	Mercury		ug/dscm	n		14.2		12.6		14.7		16.8		
28	Nickel		ug/dscm	n		5.4		6.1		5.6		4		
29	Silver		ug/dscm	n		0.5		0.3		2.4		0.5		
30	Selenium		ug/dscm	n		12.7		14.4		19.8		17.5		
31	Thallium		ug/dscm	n		0.8		0.6		0.9		0.6		
32	Zinc		ug/dscm	n		74		54.5		61.4		58.9		
33	Chromium (Hex)		ug/dscm	n		9.2		17.27		13.6		12.2		
34														
35	Sampling Train	PM, HCl E1												
36	Stack Gas Flowrate		dscfm			105997		109419		108014		102714		106536
37	O2		%			8.25		7.77		7.32		7.49		7.7
38	Moisture		%			34.24		35.09		36.14		35.47		35
39	Temperature		°F			431		425		416		436		427
40														
41	Sampling Train	Metals E2												
42	Stack Gas Flowrate		dscfm			106459		107356		108117		104915		106712
43	O2		%			7.88		7.84		7.71		7.72		7.8
44	Moisture		%			35.11		35.8		36.02		35.58		36
45	Temperature		°F			436		423		419		432		428
46														
47	Sampling Train	PCDD/P E3												
48	Stack Gas Flowrate		dscfm			103125		111288		107487		110781		108170
49	O2		%			7.81		7.69		7.71		8.02		7.8
50	Moisture		%			34.14		34.76		35.61		35.31		35
51	Temperature		°F			431		422		413		429		424
52														
53	Antimony	E2	ug/dscm	y		2.5		2.8		2.7		2.1		2.5
54	Arsenic	E2	ug/dscm	y		1.6		1.6		1.3		0.9		1.4
55	Barium	E2	ug/dscm	y		15.4		12.1		10.7		9.5		11.9
56	Beryllium	E2	ug/dscm	y		0.1		0.2		0.2		0.2		0.2
57	Cadmium	E2	ug/dscm	y		8.9		10.0		10.3		10.3		9.9
58	Chromium	E2	ug/dscm	y		11.3		13.4		10.0		7.9		10.7
59	Lead	E2	ug/dscm	y		130.1		140.7		145.4		153.9		142.5
60	Mercury	E2	ug/dscm	y		15.2		13.4		15.5		17.7		15.4
61	Nickel	E2	ug/dscm	y		5.8		6.5		5.9		4.2		5.6
62	Silver	E2	ug/dscm	y		0.5		0.3		2.5		0.5		1.0
63	Selenium	E2	ug/dscm	y		13.6		15.3		20.9		18.4		17.0
64	Thallium	E2	ug/dscm	y	nd	0.9		0.6		0.9		0.6		0.8
65	Zinc	E2	ug/dscm	y		79.0		58.0		64.7		62.1		65.9
66	Chromium (Hex)	E2	ug/dscm	y		9.8		18.4		14.3		12.9		13.9
67														
68	SVM	E2	ug/dscm	y		138.9		150.7		155.7		164.2		152.4
69	LVM	E2	ug/dscm	y		13.0		15.2		11.5		9.1		12.2
70														
71														

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
72	404C11	Risk burn				R1		R2		R3		R4		Cond Avg
73														
74	CO (RA)	E1	ppmv	y		240		206		205				217.0
75	CO (MHRA)	E1	ppmv	y		261		242		225				242.7
76	HC (RA)	E1	ppmv	y		11.7		8.9		8				9.5
77	HC (MHRA)	E1	ppmv	y		12.8		9.4		8.5				10.2
78														
79	PM	E1	gr/dscf	y		0.0034		0.0123		0.0049				0.0069
80														
81	HCl		g/hr			9973		14679		10145				
82	Cl2		g/hr			8.46		116		687				
83														
84	HCl	E1	ppmv	y		36.46		59.26		35.17				43.6
85	Cl2	E1	ppmv	y		0.02		0.24		1.22				0.5
86	Total Chlorine	E1	ppmv	y		36.49		59.74		37.62				44.6
87														
88	Sampling Train	PM, HCl E1												
89	Stack Gas Flowrate		dscfm			111010		108289		104582				107960.3
90	O2		%			7.6		8.56		6				7.4
91	Moisture		%			30.97		34.18		34.9				33.4
92	Temperature		°F			424		422		430				425.3

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Stack Gas Emissions 2																			
2																				
3																				
4	404C1					R1		R2		R3		R4		R5		R6		Cond Avg		
5																				
6	PM	E1	gr/dscf			0.00468		0.00549		0.00430		0.01834		0.00748		0.00463		0.00749		
7	CO (MHRA)	E1	ppmv			527.00		738.00		824.00		325.00		754.00		793.00		660.2		
8	CO (RA)	E1	ppmv			296.00		540.00		551.00		226.00		558.00		580.00		458.5		
9	HC (MHRA)	E1	ppmv			12.40		16.80		17.70		8.00		9.80		11.30		12.7		
10	HC (RA)	E1	ppmv			9.50		13.60		14.50		7.30		8.70		9.44		10.5		
11	HCl	E1	ppmv			96.28		101.43		81.38		42.52		92.47		18.19		72.0		
12	Cl2	E1	ppmv			2.57		1.91		1.73		3.10		2.11		1.45		2.1		
13	Total Chlorine	E1	ppmv			101.43		105.26		84.84		48.71		96.70		21.09		76.3		
14	Antimony	E2	ug/dscm	nd		116.27	nd	140.11	nd	135.39	nd	102.88	nd	89.02	nd	90.36		112.3		
15	Arsenic	E2	ug/dscm	nd		19.23	nd	23.16	nd	22.36	nd	5.25	nd	4.53	nd	4.62		13.2		
16	Barium	E2	ug/dscm	nd		132.08	nd	122.03	nd	153.48	nd	57.06	nd	52.94	nd	50.09		94.6		
17	Beryllium	E2	ug/dscm	nd		1.15	nd	1.39	nd	1.34	nd	0.16	nd	0.14	nd	0.14		0.7		high NDs?
18	Cadmium	E2	ug/dscm	nd		3.47	nd	2.78	nd	3.59	nd	3.24	nd	3.85	nd	4.27		3.5		
19	Chromium	E2	ug/dscm	nd		3.09	nd	4.15	nd	3.59	nd	3.64	nd	3.85	nd	4.62		3.8		
20	Chromium (Hex)	E3	ug/dscm				nd	0.59	nd	0.49								0.5		
21	Lead	E2	ug/dscm	nd		62.47	nd	64.12	nd	56.73	nd	46.08	nd	47.24	nd	46.16		53.8		
22	Mercury	E2	ug/dscm	nd		3.80	nd	4.58	nd	3.59	nd	6.86	nd	4.89	nd	2.48	100	4.4		
23	Silver	E2	ug/dscm	nd		3.85	nd	4.63	nd	4.47	nd	2.42	nd	2.09	nd	2.13		3.3		
24	Thallium	E2	ug/dscm	nd		23.84	nd	28.81	nd	27.68	nd	6.43		5.60	nd	5.67		16.3		
25	SVM	E2	ug/dscm	100		65.94	100	66.90	100	60.32	100	49.32	100	51.09	100	50.43	100	57.3		
26	LVM	E2	ug/dscm	100		23.46	100	28.71	100	27.29	100	9.05	100	8.52	100	9.37	100	17.7		
27																				
28	Sampling Train	Particulate	E1																	
29	Stack Gas Flowrate		dscfm			90144		86458		90560		93867		94200		93839				
30	O2		%			5.2		6		5.7		6.3		4		4				
31	Moisture		%			36.7		38.9		38.9		39.3		38.4		39.5				
32	Temperature		°F			510		497		490		516		534		523				
33																				
34	Sampling Train	Metals	E2																	
35	Stack Gas Flowrate		dscfm			92771		88208		89135		94904		92611		89542				
36	O2		%			5.2		6		5.7		6.3		4		4				
37	Moisture		%			38.9		39.7		40.1		39.6		39.9		40.3				
38	Temperature		°F			510		501		495		517		532		521				
39																				
40	Sampling Train	Cr Hex	E3																	
41	Stack Gas Flowrate		dscfm					88944		88452										
42	O2		%					6		5.7										
43	Moisture		%					39.7		10.1										
44	Temperature		°F					503		497										
45																				
46	Sampling Train	Dioxin & Furan	E4																	
47	Stack Gas Flowrate		dscfm			88570		87651		87598										
48	O2		%			5.2		6		5.7										
49	Moisture		%			38.3		39.8		39.9										
50	Temperature		°F			509		500		490										
51																				
52	404C2					R1		R2		R3		R4		R5		R6		Cond Avg		
53																				

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
54	PM	E1	gr/dscf			0.00483		0.00351		0.00419		0.00475						0.00432		
55	CO (MHRA)	E1	ppmv			689.00		645.00		684.00		796.00						703.5		
56	CO (RA)	E1	ppmv			389.00		255.00		409.00		551.00						401.0		
57	HC (MHRA)	E1	ppmv			19.90		20.00		19.20		19.90						19.8		
58	HC (RA)	E1	ppmv			14.90		11.10		14.60		14.60						13.8		
59	HCl	E1	ppmv			46.50		57.93		46.87		64.82						54.0		
60	Cl2	E1	ppmv			2.00	nd	0.06		1.19		0.82						1.0		
61	Total Chlorine	E1	ppmv		0	50.49	0.2	58.04	0	49.25	0	66.46					0.1	56.1		
62																				
63	1,1,1-Trichloroethane	E2	%			0		99.99991		99.9995		99.9998								
64	1,2,4-Trichlorobenzene	E2	%			99.9998		99.99991		99.9998		99.99987								
65	Tetrachloroethene	E2	%			99.997		99.99989		99.9993		99.99988								
66																				
67	Sampling Train	Particulate	E1																	
68	Stack Gas Flowrate		dscfm			89630		98575		89497		88539								
69	O2		%			7.3		6.5		6.8		6.4								
70	Moisture		%			40.9		39		40.7		39.9								
71	Temperature		°F			403		423		400		406								
72																				
73	Sampling Train	SVOC	E2																	
74	Stack Gas Flowrate		dscfm			84250		95141		88263		88567								
75	O2		%			7.3		6.5		6.8		6.4								
76	Moisture		%			42.2		37.9		42.3		40.7								
77	Temperature		°F			401		425		397		406								
78																				
79	404C3					R1		R2		R3		R4		R5		R6		Cond Avg		
80																				
81	PM	E1	gr/dscf			0.02545		0.13225		0.00418		0.00346						0.0413		
82	CO (MHRA)	E1	ppmv			489.00		257.00		388.00		523.00						414.3		
83	CO (RA)	E1	ppmv			353.00		212.00		273.00		285.00						280.8		
84	HC (MHRA)	E1	ppmv			16.30		8.40		13.90		19.40						14.5		
85	HC (RA)	E1	ppmv			11.80		7.40		10.00		10.50						9.9		
86																				
87	1,2,4-Trichlorobenzene	E2	%			99.9998		99.9998		99.9998		99.9998								
88	1,2-dichlorobenzene	E2	%			99.9998		99.9998		100		99.9998								
89	Tetrachloroethene	E2	%			99.9999		99.9999		99.9999		99.9999								
90	trichloroethene	E2	%			99.9999		99.9999		99.9999		99.9999								
91																				
92	Sampling Train	Particulate	E1																	
93	Stack Gas Flowrate		dscfm			88490		88324		83789		93194								
94	O2		%			6.2		6		2.6		3.6								
95	Moisture		%			40.5		40.8		42.3		40.6								
96	Temperature		°F			409		432		424		453								
97																				
98	Sampling Train	SVOC	E2																	
99	Stack Gas Flowrate		dscfm			84515		86335		75623		84472								
100	O2		%			6.2		6		2.6		3.6								
101	Moisture		%			44		43.2		47.3		46.4								
102	Temperature		°F			411		441		432		451								
103																				
104	Sampling Train	Dioxin & Furan	E3																	
105	Stack Gas Flowrate		dscfm			88866		89287		84032		93164								
106	O2		%			6.2		6		2.6		3.6								

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
107	Moisture		%			42		41		43.8		41.8								
108	Temperature		°F			408		438		416		443								
109																				
110	404C4					R1		R2		R3		R4		R5		R6		Cond Avg		
111																				
112	PM	E1	gr/dscf			0.00317		0.00376		0.00287		0.00664						0.0041		
113	CO (MHRA)	E1	ppmv			603.00		1050.00		701.00		686.00						760.0		
114	CO (RA)	E1	ppmv			491.00		952.00		504.00		493.00						610.0		
115	HC (MHRA)	E1	ppmv			7.10		11.90		11.80		9.70						10.1		
116	HC (RA)	E1	ppmv			6.50		10.30		9.70		8.30						8.7		
117	HCl	E1	ppmv			30.44		46.31		49.39		63.44						47.4		
118	Cl2	E1	ppmv			3.31		5.30		4.51		9.00						5.5		
119	Total Chlorine	E1	ppmv			37.06		56.90		58.42		81.44						58.5		
120	Antimony	E2	ug/dscm			0.52		0.45		0.45		1.02						0.6		
121	Arsenic	E2	ug/dscm			1.01		0.60		1.38		0.97						1.0		
122	Barium	E2	ug/dscm			5.55		6.41		5.22		8.12						6.3		
123	Beryllium	E2	ug/dscm			0.31		0.34		0.34		0.46						0.4		
124	Cadmium	E2	ug/dscm			5.95		4.56		5.30		6.22						5.5		
125	Chromium	E2	ug/dscm			4.44		3.38		3.13		4.63						3.9		
126	Chromium (Hex)	E3	ug/dscm			4.44 nd		1.89 nd		1.94 nd		2.56						2.7		
127	Lead	E2	ug/dscm			69.60		64.09		81.84		86.85						75.6		
128	Mercury	E2	ug/dscm			83.72		85.09		68.02		233.01						117.5		
129	Silver	E2	ug/dscm			0.12		0.06		0.13		0.66						0.2		
130	Thallium	E2	ug/dscm			0.80		0.57		0.89		0.86						0.8		
131	SVM	E2	ug/dscm			75.55		68.65		87.14		93.07						81.1		
132	LVM	E2	ug/dscm			5.76		4.32		4.84		6.06						5.2		
133																				
134	1,2,4-Trichlorobenzene	E4	%			99.9996		99.9997		99.9997		99.9997								
135	1,2-dichlorobenzene	E4	%			99.99997		99.9998		99.9998		99.9998								
136	Tetrachloroethene	E4	%			99.9999		99.9999		99.9999		99.9999								
137	trichloroethene	E4	%			99.9999		99.9999		99.9999		99.9999								
138																				
139	Sampling Train	Particulate	E1																	
140	Stack Gas Flowrate		dscfm			99992		96670		100595		100143								
141	O2		%			3.8		5		5.4		9.2								
142	Moisture		%			37.5		38		37.5		37.3								
143	Temperature		°F			521		512		532		523								
144																				
145	Sampling Train	Metals	E2																	
146	Stack Gas Flowrate		dscfm			94990		95622		99391		98895								
147	O2		%			3.8		5		5.4		9.2								
148	Moisture		%			38.4		38.5		38.4		37.5								
149	Temperature		°F			523		509		528		522								
150																				
151	Sampling Train	Cr Hex	E3																	
152	Stack Gas Flowrate		dscfm			99578		99114		100638		99990								
153	O2		%			3.8		5		5.4		9.2								
154	Moisture		%			38.4		38.5		38.4		37.5								
155	Temperature		°F			521		512		529		520								
156																				
157	Sampling Train	SVOC	E4																	
158	Stack Gas Flowrate		dscfm			92071		92107		94527		93273								
159	O2		%			3.8		5		5.4		9.2								

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
160	Moisture		%			42.1		40.8		41.2		42.3								
161	Temperature		°F			533		527		543		525								
162																				
163	404C5					R1		R2		R3		R4		R5		R6		Cond Avg		
164																				
165	PM	E1	gr/dscf			0.02618		0.00536		0.00818		0.00636						0.0115		
166																				
167	Sampling Train	Particulate	E1																	
168	Stack Gas Flowrate		dscfm			97692		87803		99278		89445								
169	O2		%			5.59955556		5.59955556		5.59955556		5.59955556								
170	Moisture		%			39.2		42.8		37.8		40.7								
171	Temperature		°F			472		471		462		434								
172																				
173	Sampling Train	Dioxin & Furan	E2																	
174	Stack Gas Flowrate		dscfm			98012		101091												
175	O2		%			5.59955556		5.59955556												
176	Moisture		%			38.4		38.9												
177	Temperature		°F			472		466												
178																				
179	404C6					R1		R2		R3		R4		R5		R6		Cond Avg		
180																				
181	Sampling Train	Dioxin & Furan	E1																	
182	Stack Gas Flowrate		dscfm			86403.57		88663.41		90040.5		90146.43		90534.84						
183	O2		%			6.34		5.72		6.054		7.388		6.786						
184	Moisture		%																	
185	Temperature		°F																	
186																				
187	404C9					R1		R2		R3		R4		R5		R6		Cond Avg		
188																				
189	CO (MHRA)	E1	ppmv			241.50		440.56										341.03		
190	CO (RA)	E1	ppmv			199.50		307.68										253.59		
191	HC (MHRA)	E1	ppmv			4.81		7.91										6.36		
192	HC (RA)	E1	ppmv			3.94		5.77										4.86		
193																				
194																				
195	Sampling Train	Dioxin & Furan	E1																	
196	Stack Gas Flowrate		dscfm			92590		95045												
197	O2		%			5		3.3												
198	Moisture		%			37.5		37.7												
199	Temperature		°F			490.6		487.5												
200																				
201	404B1					R1		R2		R3		R4		R5		R6		Cond Avg		
202																				
203	CO (MHRA)	E1	ppmv			371.90		477.48										424.69		
204	CO (RA)	E1	ppmv			255.95		267.95										261.95		
205	HC (MHRA)	E1	ppmv			8.16		13.63										10.89		
206	HC (RA)	E1	ppmv			6.70		9.83										8.26		
207																				
208	Sampling Train	Dioxin & Furan	E1																	
209	Stack Gas Flowrate		dscfm			96965		95309												
210	O2		%			4.7		5.9												
211	Moisture		%			37.8		38.3												
212	Temperature		°F			401.4		398.1												

	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	404C10	Max comb temp, ma		R1		R2		R3		R4		Cond Avg	R1		R2		R3		R4		Cond Avg	R1		R2				
4																												
5	Feedstream Number			F1		F1		F1		F1		F1		F2		F2		F2		F2		F2		F3		F3		
6	Feed Class			Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Coal		Coal		Coal		Coal		Coal		Solid non-HW		Solid non-HW		
7	Feed Class 2			RM		RM		RM		RM		RM		Coal		Coal		Coal		Coal		Coal		MF		MF		
8	Feedstream Description			Raw Matl		Raw Matl		Raw Matl		Raw Matl		Raw Matl		Coal		Coal		Coal		Coal		Coal		Tires		Tires		
9	Feed Rate			g/hr		79700000		80600000		81000000		81400000		80675000		2810000		4810000		3810000		3450000		3720000		1100000		1180000
10	Heating Value			Btu/lb												11875		11893		11594		12225		11890		15766		15813
11	Thermal Feedrate			MMBtu/hr												74		126		97		93		97		38		41
12	Chlorine			g/hr		12000		13700		11300		10600		11900		3440		4920		1610		2280		3063		6590		7080
13	Antimony			g/hr		62		63.1		63.4		63.7		63		2.19		3.73		2.99		2.71		3		19.8		21.2
14	Arsenic			g/hr		108		174		130		175		147		71.4		333		135		134		168		1.69		1.82
15	Barium			g/hr		1650		2020		1730		2070		1868		61.6		133		90.7		86.2		93		9		9.67
16	Beryllium			g/hr		15.5		15.8		15.9		15.9		16		0.599		1		1.04		0.917		1		0.11		0.118
17	Cadmium			g/hr		17.6		21.4		23.8		26.8		22		0.548		1.15		0.747		0.765		1		4.84		5.2
18	Chromium			g/hr		254		431		450		386		380		16.7		29.4		25.8		25.7		24		6.15		6.6
19	Lead			g/hr		144		229		314		308		249		9.45		18.5		15.5		16.5		15		32.2		34.6
20	Mercury			g/hr		7.1		6.21		7.21		7.49		7		0.27		0.433		0.354		0.3		0		0.22		0.236
21	Nickel			g/hr		297		338		322		358		329		40.2		67.3		69.7		66.5		61		6.68		7.18
22	Silver			g/hr		15.5		15.8		15.9		15.9		16		0.548		0.933		0.747		0.676		1		1.1		1.18
23	Thallium			g/hr		77.4		78.9		79.2		79.6		79		2.74		4.66		3.73		3.39		4		1.1		1.18
24	Zinc			g/hr		925		1020		1130		1310		1096		44.4		90.4		64.8		76.2		69		11000		11800
25																												
26	Stack Gas Flowrate			dscfm		106459		107356		108117		104915		106711.8		106459		107356		108117		104915		106711.8		106459		107356
27	Oxygen			%		7.9		7.8		7.7		7.7		7.8		7.9		7.8		7.7		7.7		7.8		7.9		7.8
28																												
29	Estimated Firing Rate			MMBtu/hr																								
30																												
31	<i>Feedrate MTEC Calculations</i>																											
32	Chlorine			ug/dscm		70836		79952		64841		62728		69589		20306		28713		9238		13492		17909		38901		41318
33	Antimony			ug/dscm		366		368		364		377		369		13		22		17		16		17		117		124
34	Arsenic			ug/dscm		638		1015		746		1036		858		421		1943		775		793		984		10		11
35	Barium			ug/dscm		9740		11789		9927		12250		10921		364		776		520		510		543		53		56
36	Beryllium			ug/dscm		91		92		91		94		92		4		6		6		5		5		1		1
37	Cadmium			ug/dscm		104		125		137		159		131		3		7		4		5		5		29		30
38	Chromium			ug/dscm		1499		2515		2582		2284		2224		99		172		148		152		143		36		39
39	Lead			ug/dscm		850		1336		1802		1823		1455		56		108		89		98		88		190		202
40	Mercury			ug/dscm		42		36		41		44		41		2		3		2		2		2		1		1
41	Nickel			ug/dscm		1753		1973		1848		2119		1922		237		393		400		394		356		39		42
42	Silver			ug/dscm		91		92		91		94		92		3		5		4		4		4		6		7
43	Thallium			ug/dscm		457		460		454		471		461		16		27		21		20		21		6		7
44	Zinc			ug/dscm		5460		5953		6484		7752		6411		262		528		372		451		403		64933		68864
45																												
46	SVM			ug/dscm		954		1461		1938		1981		1586		59		115		93		102		92		219		232
47	LVM			ug/dscm		2228		3623		3419		3414		3174		524		2121		929		950		1132		47		50
48																												
49	404C11																											
50																												
51	Feedstream Description																											
52	Feed Rate			g/hr																								
53	Heating Value			Btu/hr																								
54	Chlorine			g/hr																								

	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	BD
1	Feedstreams 1																											
2																												
3	404C10	R3	R4	Cond Avg	R1	R2	R3	R4	Cond Avg	R1	R2	R3	R4	Cond Avg	R1	R2	R3	R4	Cond Avg	R1								
4																												
5	Feedstream Number	F3	F3	F3	F4	F4	F4	F4	F4	F5	F5	F5	F5	F5	F6													
6	Feed Class	Solid non-HW	Solid non-HW	Solid non-HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Spike	Spike	Spike	Spike	Spike	Total													
7	Feed Class 2	MF	MF	MF	HW	HW	HW	HW	HW	Spike	Spike	Spike	Spike	Spike	Total													
8	Feedstream Description	Tires	Tires	Tires	LWDF	LWDF	LWDF	LWDF	LWDF	Spike	Spike	Spike	Spike	Spike	Total													
9	Feed Rate	1240000	1210000	1182500	7710000	7710000	7710000	7710000	7710000																			
10	Heating Value	15853	15759	15799	15192	14662	14839	13779	14618																			
11	Thermal Feedrate	43	42	41	258	249	252	234	248																			360.7
12	Chlorine	7460	7240	7093	47000	60000	85000	134900	81725	150000	116000	101000	95100	115525														
13	Antimony	22.4	21.7	21	14.8	18	8.64	9.02	13																			
14	Arsenic	1.91	1.86	2	7.52	7.13	7.91	7.53	8	11700	12100	12900	14000	12675														
15	Barium	10.2	9.89	10	6.11	82.5	2.91	30.4	30																			
16	Beryllium	0.124	0.121	0	1.5	1.41	1.44	1.5	1	416	508	492	508	481														
17	Cadmium	5.48	5.32	5	2.71	3.22	1.44	1.63	2	1600	1940	1870	2310	1930														
18	Chromium	6.96	6.76	7	21.4	70	17.8	20.4	32	16600	16600	17600	18100	17225														
19	Lead	36.4	35.4	35	17.8	48.3	23.6	40.1	32	26900	27000	28900	28800	27900														
20	Mercury	0.249	0.241	0	0.748	0.74	0.756	0.748	1																			
21	Nickel	7.57	7.35	7	25.4	28.1	10.2	12	19																			
22	Silver	1.24	1.21	1	1.5	1.41	1.44	1.5	1																			
23	Thallium	1.24	1.21	1	7.52	7.06	7.19	7.53	7																			
24	Zinc	12500	12100	11850	831	1070	286	424	653																			
25																												
26	Stack Gas Flowrate	108117	104915	106711.8	106459	107356	108117	104915	106711.8	106459	107356	108117	104915	106711.8	106459													106459
27	Oxygen	7.7	7.7	7.8	7.9	7.8	7.7	7.7	7.8	7.9	7.8	7.7	7.7	7.8	7.9													7.9
28																												
29	Estimated Firing Rate																											443.41
30																												
31	<i>Feedrate MTEC Calculat.</i>																											
32	Chlorine	42807	42844	41476	277442	350154	487742	798301	477912	885453	676965	579552	562776	675568	1292938													
33	Antimony	129	128	124	87	105	50	53	74	0	0	0	0	0	583													583
34	Arsenic	11	11	11	44	42	45	44	44	69065	70614	74022	82848	74121	70179													70179
35	Barium	59	59	57	36	481	17	180	178	0	0	0	0	0	10193													10193
36	Beryllium	1	1	1	9	8	8	9	9	2456	2965	2823	3006	2813	2560													2560
37	Cadmium	31	31	30	16	19	8	10	13	9445	11322	10730	13670	11286	9597													9597
38	Chromium	40	40	39	126	409	102	121	189	97990	96876	100991	107111	100728	99751													99751
39	Lead	209	209	203	105	282	135	237	190	158791	157569	165832	170430	163154	159992													159992
40	Mercury	1	1	1	4	4	4	4	4	0	0	0	0	0	49													49
41	Nickel	43	43	42	150	164	59	71	111	0	0	0	0	0	2180													2180
42	Silver	7	7	7	9	8	8	9	9	0	0	0	0	0	110													110
43	Thallium	7	7	7	44	41	41	45	43	0	0	0	0	0	524													524
44	Zinc	71727	71604	69297	4905	6244	1641	2509	3817	0	0	0	0	0	75561													75561
45																												
46	SVM	240	241	233	121	301	144	247	203	168236	168891	176563	184100	174440	169589													169589
47	LVM	52	52	50	180	458	156	174	242	169511	170455	177837	192965	177662	172490													172490
48																												
49	404C11																											
50																												
51	Feedstream Description																											
52	Feed Rate																											
53	Heating Value																											
54	Chlorine																											

	B	BE	BF	BG	BH	BI	BJ	BK	BL
1	Feedstreams 1								
2									
3	404C10		R2		R3		R4		Cond Avg
4									
5	Feedstream Number		F6		F6		F6		F6
6	Feed Class		Total		Total		Total		Total
7	Feed Class 2		Total		Total		Total		Total
8	Feedstream Description		Total		Total		Total		Total
9	Feed Rate								
10	Heating Value								
11	Thermal Feedrate		419.1		374.6		383.2		384.4
12	Chlorine								
13	Antimony								
14	Arsenic								
15	Barium								
16	Beryllium								
17	Cadmium								
18	Chromium								
19	Lead								
20	Mercury								
21	Nickel								
22	Silver								
23	Thallium								
24	Zinc								
25									
26	Stack Gas Flowrate		107356		108117		104915		106711.8
27	Oxygen		7.8		7.7		7.7		7.8
28									
29	Estimated Firing Rate		448.51		456.15		442.31		447.60
30									
31	<i>Feedrate MTEC Calculat.</i>								
32	Chlorine		1177102		1184181		1480141		1282454
33	Antimony		619		559		575		584
34	Arsenic		73625		75599		84732		76018
35	Barium		13103		10523		12998		11699
36	Beryllium		3072		2929		3115		2919
37	Cadmium		11502		10911		13874		11466
38	Chromium		100010		103864		109708		103323
39	Lead		159498		168067		172798		165089
40	Mercury		44		49		52		49
41	Nickel		2571		2350		2627		2431
42	Silver		113		111		114		112
43	Thallium		536		524		543		532
44	Zinc		81588		80224		82317		79928
45									
46	SVM		171000		178978		186672		176554
47	LVM		176707		182392		197555		182261
48									
49	404C11								
50									
51	Feedstream Description								
52	Feed Rate								
53	Heating Value								
54	Chlorine								

	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
1	Feedstreams 2																									
2																										
3																										
4	404C1			R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		
5																										
6	Feedstream Number			F1		F1		F1		F1		F1		F1		F2		F2		F2		F2		F2		
7	Feed Class			Coal		Coal		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		
8	Feed Class 2			Coal		Coal		Coal		Coal		Coal		Coal												
9	Feedstream Description			Coal		Coal		Coal		Coal		Coal		Coal		Liquid waste										
10	Feedrate	lb/hr		11520		12489		13392		14955		14626		14603		14380		14400		14400		14620		14600		
11	Heating value	Btu/lb		13368		13292		13292		13507		13469		13285		13839		11528		13333		11423		14726		
12	Thermal Feedrate	MMBtu/hr		154		166		178		202		197		194		199		166		192		167		215		
13	Chlorine	lb/hr	1	12	1	13	1	15	1	15	1	15	1	15	1	561		648		605		570		613		
14	Antimony	lb/hr	1	0.0725	1	0.07956	1	0.09084	1	0.12064	1	0.08904	1	0.16082	1	0.08628		0.0864		0.0864		0.04386		0.0584	1	
15	Arsenic	lb/hr		0.7248		1.1934		1.12036		1.32704		1.08332		1.7544		1.7256		1.728		1.728		3.2164		2.19		
16	Barium	lb/hr		0.3986		0.45084		0.54504		0.57304		0.92008		0.78948		9.2032		13.824		14.112		30.702		29.2		
17	Beryllium	lb/hr		0.0048		0.005304		0.006056		0.006032		0.011872		0.00731		0.112164		0.13536		0.2448	1	0.001462	1	0.00146	1	
18	Cadmium	lb/hr	1	0.0048	1	0.005304	1	0.006056	1	0.006032	1	0.005936	1	0.005848	1	0.17256		0.1584		0.2304		1.0965		1.168		
19	Chromium	lb/hr		0.0435		0.034476		0.021196		0.078416		0.13356		0.11696		4.6016		7.488		6.624		23.392		21.9		
20	Lead	lb/hr		0.0483		0.10608		0.09084		0.06032		0.08904		0.0731		28.76		24.48		31.68		9.6492		9.052		
21	Mercury	lb/hr		0.0019		0.0029172		0.0027252		0.0019604		0.0019292		0.0020468		0.008628		0.01008		0.01296		0.002924		0.00438		
22	Silver	lb/hr	1	0.0072	1	0.007956	1	0.009084	1	0.009048	1	0.008904	1	0.008772	1	0.008628	1	0.00864	1	0.00864	1	0.008772	1	0.00876	1	
23	Thallium	lb/hr	1	0.1812	1	0.1989	1	0.2271	1	0.3016	1	0.2968	1	0.2924	1	0.05752	1	0.0576	1	0.0576	1	0.05848	1	0.0584	1	
24																										
25	Gas flowrate			92771		88208		89135		94904		92611		89542		92771		88208		89135		94904		92611		
26	Oxygen			5.2		6		5.7		6.3		4		4		5.2		6		5.7		6.3		4		
27																										
28	Estimated Firing Rate			MMBtu/hr																						
29																										
30	<i>Feedrate MTECs</i>																									
31	Chlorine	ug/dscm	100	30645	100	36778	100	41172	##	40247	100	35664	100	36886		1432649		1833251		1660588		1529393		1457455		
32	Antimony	ug/dscm	100	185	100	225	100	249	##	324	100	212	100	395		220		244		237		118		139		
33	Arsenic	ug/dscm		1851		3376		3075		3561		2576		4314		4407		4889		4743		8630		5207		
34	Barium	ug/dscm		1018		1275		1496		1538		2188		1941		23503		39109		38734		82378		69425		
35	Beryllium	ug/dscm		12		15		17		16		28		18		286		383		672		4		3		
36	Cadmium	ug/dscm	100	12	100	15	100	17	##	16	100	14	100	14		441		448		632		2942		2777		
37	Chromium	ug/dscm		111		98		58		210		318		288		11751		21184		18181		62764		52069		
38	Lead	ug/dscm		123		300		249		162		212		180		73446		69256		86954		25890		21522		
39	Mercury	ug/dscm		5		8		7		5		5		5		22		29		36		8		10		
40	Silver	ug/dscm	100	19	100	23	100	25	##	24	100	21	100	22		22		24		24		24		21		
41	Thallium	ug/dscm	100	463	100	563	100	623	##	809	100	706	100	719		147		163		158		157		139		
42	SVM	ug/dscm	9.1	136	4.8	315	6.3	266	9	178	6.3	226	7.4	194		73886		69704		87587		28832		24299		
43	LVM	ug/dscm		1974		3489		3150		3787		2921		4620		16444		26456		23596		71398		57279		
44																										
45																										
46																										
47	404C2			R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		
48																										
49	Feedstream Number			F1		F1		F1		F1		F1		F1		F2		F2		F2		F2		F2		
50	Feed Class			Coal		Coal		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		
51	Feed Class 2			Coal		Coal		Coal		Coal		Coal		Coal												
52	Feedstream Description			Coal		Coal		Coal		Coal		Coal		Coal		Liquid waste										
53	Feedrate	lb/hr		11300		9427		10661		13326						16880		19140		14980		14440				
54	Heating value	Btu/lb		13363		13366		13320		13357						17239		16040		15020		12812				
55	Thermal Feedrate	MMBtu/hr		151		126		142		178					291		307		225		185					
56	Chlorine	lb/hr	1	14.3	1	21.16	1	11.12	1	18.96					388		402		135		534					
57																										
58	Gas flowrate			89630		98575		89497		88539					89630		98575		89497		88539					
59	Oxygen			7.3		6.5		6.8		6.4					7.3		6.5		6.8		6.4					
60																										

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
1	Feedstreams 2																								
2																									
3																									
4	404C1	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5	
5																									
6	Feedstream Number	F2		F3		F3		F3		F3		F3		F3											
7	Feed Class	Liq HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW											
8	Feed Class 2																								
9	Feedstream Description			Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		Solid waste		HW		HW		HW		HW		HW	
10	Feedrate	14620		5320		5220		4980		4780		4680		4680											
11	Heating value	14295		9906		8716		8896		9958		8162		7949											
12	Thermal Feedrate	209		52.7		45.5		44.3		47.6		38.2		37.2		252		212		236		215		253	
13	Chlorine	556		11		26		15		124		19		23		1									
14	Antimony	0.04386		0.09576		0.39672		0.11454		0.01912	1	0.01404	1	0.01404	1										
15	Arsenic	2.0468		0.0266		0.027144		0.03486		0.08604		0.0702		0.06552	1										
16	Barium	32.164		1.2236		11.484		5.478		2.39		2.4336		5.85											
17	Beryllium	0.001462	1	0.000266	1	0.000261	1	0.000249	1	0.000478		0.001404	1	0.000468											
18	Cadmium	1.28656		0.051072		0.42804		0.01245		0.016252		0.15444		0.014508	1										
19	Chromium	23.392		2.5536		3.6018		1.0458		0.956		3.1824		3.6036											
20	Lead	9.2106		0.8512		4.3848		2.8884		2.1032		1.5912		4.2588	1										
21	Mercury	0.002924	1	0.001064		0.00261	1	0.000996		0.008604		0.003744		0.004212	1										
22	Silver	0.008772	1	0.01596		0.20358		0.0996		0.035372	1	0.002808		0.010296	1										
23	Thallium	0.05848	1	0.266	1	0.261	1	0.249	1	0.0956	1	0.0936	1	0.0936	1										
24																									
25	Gas flowrate	89542		92771		88208		89135		94904		92611		89542											
26	Oxygen	4		5.2		6		5.7		6.3		4		4											
27																									
28	Estimated Firing Rate																								
29																									
30	<i>Feedrate MTECs</i>																								
31	Chlorine	1367242		28091		73556		41172		332710		45174		56559		1460740		1906808		1701760		1862104		1502629	
32	Antimony	108		245		1122		314		51	100	33	100	35		465		1367		552		169		172	24
33	Arsenic	5033		68		77		96		231		167		161		4475		4965		4839		8861		5374	
34	Barium	79093		3125		32489		15036		6413		5786		14386		26627		71599		53770		88791		75211	
35	Beryllium	4	100	1	100		1	100		1		3	100	1		287		384		673	25	5	49	7	
36	Cadmium	3164		130		1211		34		44		367		36		571		1659		667		2986		3144	
37	Chromium	57523		6521		10190		2870		2565		7566		8861		18273		31374		21052		65329		59635	
38	Lead	22649		2174		12405		7928		5643		3783		10473		75619		81661		94882		31533		25305	
39	Mercury	7	100	3		7	100	3		23		9		10		25	21	36		38	75	31		19	
40	Silver	22	100	41		576		273		95	100	7		25		63	96	600		297		118		28	54
41	Thallium	144	100	679	100	738	100	683	100	257	100	223	100	230		826	82	901	81	842	62	413	62	361	62
42	SVM	25813		2304		13616		7962		5687		4150		10508		76190		83320		95549		34519		28449	
43	LVM	62559		6590		10267		2967		2797		7737		9024		23034		36723		26563		74195		65016	
44																									
45																									
46																									
47	404C2	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5	
48																									
49	Feedstream Number			F3		F3		F3		F3															
50	Feed Class			Solid HW		Solid HW		Solid HW		Solid HW															
51	Feed Class 2															HW		HW		HW		HW		HW	
52	Feedstream Description			Solid waste																					
53	Feedrate			4760		5140		4340		4300															
54	Heating value			8445		6381		6682		7233															
55	Thermal Feedrate			40.2		32.8		29		31.1						331.2		339.8		254		216.1			
56	Chlorine			114		283		104		267					1										
57																									
58	Gas flowrate			89630		98575		89497		88539															
59	Oxygen			7.3		6.5		6.8		6.4															
60																									

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
1	Feedstreams 2																						
2																							
3																							
4	404C1	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
5																							
6	Feedstream Number			F4		F4		F4		F4		F4		F4									
7	Feed Class			Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material									
8	Feed Class 2	HW		RM		RM		RM		RM		RM		RM									
9	Feedstream Description			Raw material												Organic liquid spike							
10	Feedrate			178280		177240		176720		158500		158260		159380									
11	Heating value																						
12	Thermal Feedrate	246																					
13	Chlorine			178	1	177	1	177	1	159	1	158	1	159									
14	Antimony			1.06968	1	1.06344	1	1.06032	1	0.4755	1	0.47478	1	0.47814									
15	Arsenic			0.53484	1	0.53172	1	0.53016	1	0.4755	1	0.47478	1	0.47814									
16	Barium			4.99184		3.72204		4.94816		3.804		3.63998		5.25954									
17	Beryllium			0.035656		0.035448		0.035344		0.0317		0.031652		0.031876									
18	Cadmium			0.071312	1	0.070896	1	0.070688	1	0.0634	1	0.063304	1	0.063752									
19	Chromium			0.784432		0.691236		0.742224		0.317		0.253216		0.525954									
20	Lead			0.53484	1	0.53172	1	0.53016	1	0.7925	1	0.7913	1	0.7969									
21	Mercury			0.0035656	1	0.0035448	1	0.0035344	1	0.00317	1	0.0031652	1	0.0031876									
22	Silver			0.106968	1	0.106344	1	0.106032	1	0.0951	1	0.094956	1	0.095628									
23	Thallium			0.71312	1	0.70896	1	0.70688	1	0.634	1	0.63304	1	0.63752									
24																							
25	Gas flowrate			92771		88208		89135		94904		92611		89542		92771		88208		89135		94904	
26	Oxygen			5.2		6		5.7		6.3		4		4		5.2		6		5.7		6.3	
27																							
28	Estimated Firing Rate																						
29																							
30	<i>Feedrate MTECs</i>																						
31	Chlorine	1423800	100	454566	100	500749	100	485825	100	426620	100	375657	100	390992									
32	Antimony	142	100	2732	100	3009	100	2910	100	1276	100	1129	100	1176									
33	Arsenic	5194	100	1366	100	1504	100	1455	100	1276	100	1129	100	1176									
34	Barium	93479		12748		10530		13582		10207		8654		12934									
35	Beryllium	5		91		100		97		85		75		78									
36	Cadmium	3199	100	182	100	201	100	194	100	170	100	151	100	157									
37	Chromium	66384		2003		1956		2037		851		602		1293									
38	Lead	33122	100	1366	100	1504	100	1455	100	2126	100	1881	100	1960									
39	Mercury	18	100	9	100	10	100	10	100	9	100	8	100	8									
40	Silver	47	100	273	100	301	100	291	100	255	100	226	100	235									
41	Thallium	374	100	1821	100	2006	100	1940	100	1701	100	1505	100	1568									
42	SVM	36322	100	1548	100	1705	100	1649	100	2297	100	2032	100	2116									
43	LVM	71583	39	3460	42	3560	41	3589	58	2211	63	1806	46	2548									
44																							
45																							
46																							
47	404C2	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
48																							
49	Feedstream Number			F4		F4		F4		F4						F5		F5		F5		F5	
50	Feed Class			Raw material		Raw material		Raw material		Raw material						Spike		Spike		Spike		Spike	
51	Feed Class 2	HW																					
52	Feedstream Description			Raw material												Organic liquid spike							
53	Feedrate			179380		179220		178400		178800						96		113		109		101	
54	Heating value																						
55	Thermal Feedrate																						
56	Chlorine			179.38	1	179.22	1	178.4	1	178.8						76.512		90.061		86.873		80.497	
57																							
58	Gas flowrate			89630		98575		89497		88539						89630		98575		89497		88539	
59	Oxygen			7.3		6.5		6.8		6.4						7.3		6.5		6.8		6.4	
60																							

	B	BV	BW	BX	BY	BZ	CA	CB	C	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CN	CO	CP	CQ	CR	CS	CT	CU	CV	
1	Feedstreams 2																											
2																												
3																												
4	404C1	R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6
5																												
6	Feedstream Number																	F5	F5	F5	F5	F5	F5	F5	F5	F5	F5	
7	Feed Class																	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	
8	Feed Class 2																											
9	Feedstream Description					Organic liquid spike										Liquid metal spike												
10	Feedrate																											
11	Heating value																											
12	Thermal Feedrate																											
13	Chlorine																											
14	Antimony																											
15	Arsenic																	7.4	7.4	7.5	13.3	8.21	14.4					
16	Barium																											
17	Beryllium																											
18	Cadmium																						1.4	0.899	1.57			
19	Chromium																	37.7	37.6	38.6	36.5	21.8	38.2					
20	Lead																											
21	Mercury																											
22	Silver																											
23	Thallium																											
24																												
25	Gas flowrate	92611		89542		92771		88208		89135		94904		92611		89542		92771	88208	89135	94904	92611	89542					
26	Oxygen	4		4		5.2		6		5.7		6.3		4		4		5.2	6	5.7	6.3	4	4					
27																												
28	Estimated Firing Rate																											
29																												
30	<i>Feedrate MTECs</i>																											
31	Chlorine																	0	0	0	0	0	0	0	0	0		
32	Antimony																	0	0	0	0	0	0	0	0	0		
33	Arsenic																	18898	20935	20586	35686	19520	35411					
34	Barium																	0	0	0	0	0	0	0	0	0		
35	Beryllium																	0	0	0	0	0	0	0	0	0		
36	Cadmium																	0	0	0	3756	2137	3861					
37	Chromium																	96276	106374	105948	97935	51831	93936					
38	Lead																	0	0	0	0	0	0	0	0	0		
39	Mercury																	0	0	0	0	0	0	0	0	0		
40	Silver																	0	0	0	0	0	0	0	0	0		
41	Thallium																	0	0	0	0	0	0	0	0	0		
42	SVM																	0	0	0	3756	2137	3861					
43	LVM																	115174	127309	126534	133621	71351	129347					
44																												
45																												
46																												
47	404C2	R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6
48																												
49	Feedstream Number					F6		F6		F6		F6						F7	F7	F7	F7	F7	F7	F7	F7	F7		
50	Feed Class					Spike		Spike		Spike		Spike						Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike		
51	Feed Class 2																											
52	Feedstream Description					Organic liquid spike										Liquid metal spike												
53	Feedrate					134		127		147		136																
54	Heating value					0																						
55	Thermal Feedrate																											
56	Chlorine					78.524		74.422		86.142		79.696																
57																												
58	Gas flowrate					89630		98575		89497		88539						89630	98575	89497	88539							
59	Oxygen					7.3		6.5		6.8		6.4						7.3	6.5	6.8	6.4							
60																												

	B	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	
1	Feedstreams 2																											
2																												
3																												
4	404C1		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg	
5																												
6	Feedstream Number														F6		F6		F6		F6		F6		F6		F6	
7	Feed Class														Total		Total		Total		Total		Total		Total		Total	
8	Feed Class 2		Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		Total		Total		Total		Total		Total	
9	Feedstream Description														Total		Total		Total		Total		Total		Total		Total	
10	Feedrate																											
11	Heating value																											
12	Thermal Feedrate														406		378		414		417		450		440		417	
13	Chlorine																											
14	Antimony																											
15	Arsenic																											
16	Barium																											
17	Beryllium																											
18	Cadmium																											
19	Chromium																											
20	Lead																											
21	Mercury																											
22	Silver																											
23	Thallium																											
24																												
25	Gas flowrate														92771		88208		89135		94904		92611		89542		91195.1667	
26	Oxygen														5.2		6		5.7		6.3		4		4		5.2	
27																												
28	Estimated Firing Rate														465.3		420.0		432.9		442.9		499.8		483.2		457.4	
29																												
30	<i>Feedrate MTECs</i>																											
31	Chlorine		0		0		0		0		0		0	24.9	1945951	22	2444335	24	2228756	20	2328971	21	1913950	23	1851678	22	2118940	
32	Antimony		0		0		0		0		0		0	86.3	3382	70	4600	85	3711	90	1769	89	1513	94	1714	83	2781	
33	Arsenic		18898		20935		20586		35686		19520		35411	5.14	26589	5	30781	5	29955	3	49383	4	28598	3	46095	3.7	35234	
34	Barium		0		0		0		0		0		0	40393		83404		68848		100535		86053		108354		81265		
35	Beryllium		0		0		0		0		0		0	391		499		786	1	106	3	110		101	0.2	332		
36	Cadmium		0		0		0		3756		2137		3861	25.4	766	11	1875	24	877	3	6928	3	5446	2	7231	4.9	3854	
37	Chromium		96276		106374		105948		97935		51831		93936		116663		139801		129096		164325		112386		161901		137362	
38	Lead		0		0		0		0		0		0	1.77	77109	2	83466	2	96587	6	33822	7	27398	6	35262	2.9	58940	
39	Mercury		0		0		0		0		0		0	23.5	39	32	54	17	55	71	45	24	31	26	30	33	43	
40	Silver		0		0		0		0		0		0	82.3	354	97	924	52	613	70	398	90	274	93	304	81	478	
41	Thallium		0		0		0		0		0		0	73.4	3110	95	3470	95	3405	95	2924	95	2572	95	2661	91	3024	
42	SVM		0		0		0		3756		2137		3861	2	77874	2	85340	2	97464	6	40750	6	32844	5	42493	3	62794	
43	LVM		115174		127309		126534		133621		71351		129347	0.95	143643	1	171081	1	159837	1	213815	1	141095	1	208097	0.8	172928	
44																												
45																												
46																												
47	404C2		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg	
48																												
49	Feedstream Number														F8		F8		F8		F8		F8		F8		F8	
50	Feed Class														Total		Total		Total		Total		Total		Total		Total	
51	Feed Class 2		Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		Total		Total		Total		Total		Total	
52	Feedstream Description														Total		Total		Total		Total		Total		Total		Total	
53	Feedrate																											
54	Heating value																											
55	Thermal Feedrate														482.2		465.8		396.0		394.1						434.5	
56	Chlorine																											
57																												
58	Gas flowrate														89630		98575		89497		88539						91560.3	
59	Oxygen														7.3		6.5		6.8		6.4						6.8	
60																												

	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	
61	Estimated Firing Rate	MMBtu/hr																									
62																											
63	<i>Feedrate MTEC Calculations</i>																										
64	Chlorine	ug/dscm	43592	55415	32753	54903											1182780	1052780	397634	1546322							
65																											
66																											
67																											
68	404C3		R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5														
69																											
70	Feedstream Number		F1	F1	F1	F1	F1	F1	F1	F1	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2
71	Feed Class		Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW
72	Feedstream Description		Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal
73	Feedrate	lb/hr	13720	14560	13840	15340					9860	9880	9800	9780													
74	Heating value	Btu/lb	12240	11946	11016	11338					1780	16453	17420	17225													
75	Chlorine	lb/hr	13.7	14.6	13.8	15.3					108.5	316.2	56.8	107.6													
76																											
77	404C4		R1	R2	R3	R4	R5	R6	R1	R2	R3	R4	R5														
78																											
79	Feedstream Number		F1	F1	F1	F1	F1	F1	F1	F1	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2	F2
80	Feed Class		Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW	Liq HW
81	Feed Class 2		Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal
82	Feedstream Description		Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal	Coal
83	Feedrate	lb/hr	10140	10680	9220	11500					14000	14000	14020	14000													
84	Heating value	Btu/lb	11835	12271	11923	12420					16943	19004	17632	16783													
85	Chlorine	lb/hr	10.14	10.68	9.22	11.5					425	500	496	630													
86	Antimony	lb/hr	0.012168	0.013884	0.00922	0.0138					0.0126	0.1106	0.018226	0.0938													
87	Arsenic	lb/hr	0.6084	0.35244	0.2766	0.5405					0.0042	0.0112	0.005608	2.38													
88	Barium	lb/hr	0.28392	0.19224	0.20284	0.2185					0.224	1.54	0.61688	0.812													
89	Beryllium	lb/hr	0.003042	0.003204	0.002766	0.00345					0.0042	0.0042	0.004206	0.0042													
90	Cadmium	lb/hr	2.03814	0.066216	0.016596	0.023					0.021	0.0756	0.01402	0.0252													
91	Chromium	lb/hr	0.02028	0.02136	0.01844	0.023					0.028	0.35	0.093934	0.182													
92	Copper	lb/hr	0.11154	0.100392	0.11064	0.1058					0.1288	1.68	0.60286	0.798													
93	Lead	lb/hr	0.075036	0.063012	0.0461	0.07015					0.168	1.288	0.44864	7.84													
94	Mercury	lb/hr	0.0027378	0.00267	0.0022128	0.00368					0.0021	0.00224	0.0018226	0.00378													
95	Nickel	lb/hr	0.1521	0.11748	0.11064	0.1127					0.028	0.042	0.02804	0.042													
96	Silver	lb/hr	0.000507	0.000534	0.000461	0.000575					0.00308	0.00336	0.0033648	0.00406													
97	Thallium	lb/hr	0.006084	0.00534	0.002766	0.0069					0.0028	0.0028	0.002804	0.0028													
98	Zinc	lb/hr	314.34	0.27768	0.26738	0.2645					0.616	4.76	1.45808	2.94													
99																											
100	Gas flowrate		94990	95622	99391	98895					94990	95622	99391	98895													
101	Oxygen		3.8	5	5.4	9.2					3.8	5	5.4	9.2													
102																											
103	Thermal Feedrate	MMBtu/hr	120.0	131.1	109.9	142.8					237.2	266.1	247.2	235.0													
104	Estimated Firing Rate	MMBtu/hr																									
105																											
106	<i>Feedrate MTECs</i>																										
107	Chlorine	ug/dscm	23232	26130	22259	36888					973708	1223315	1197447	2020833													
108	Antimony	ug/dscm	28	34	22	44					29	271	44	301													
109	Arsenic	ug/dscm	1394	862	668	1734					10	27	14	7634													
110	Barium	ug/dscm	650	470	490	701					513	3768	1489	2605													
111	Beryllium	ug/dscm	7	8	7	11					10	10	10	13													
112	Cadmium	ug/dscm	4670	162	40	74					48	185	34	81													
113	Chromium	ug/dscm	46	52	45	74					64	856	227	584													
114	Copper	ug/dscm	256	246	267	339					295	4110	1455	2560													
115	Lead	ug/dscm	172	154	111	225					385	3151	1083	25148													
116	Mercury	ug/dscm	6	7	5	12					5	5	4	12													
117	Nickel	ug/dscm	348	287	267	362					64	103	68	135													
118	Silver	ug/dscm	1	1	1	2					7	8	8	13													
119	Thallium	ug/dscm	14	13	7	22					6	7	7	9													
120	Zinc	ug/dscm	720177	679	646	848					1411	11646	3520	9431													

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	
61	Estimated Firing Rate																									
62																										
63	<i>Feedrate MTEC Calculatic</i>																									
64	Chlorine			347518		741136		306325		773161						1530298		1793916		703959		2319483				
65																										
66																										
67																										
68	404C3	R6		R1		R2		R3		R4		R5		R6												
69																										
70	Feedstream Number			F3		F3		F3		F3		F3		F3												
71	Feed Class			Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW												
72	Feedstream Description														HW		HW		HW		HW		HW		HW	
73	Feedrate			2460		3760		3640		3400																
74	Heating value			6112		5148		6855		7934																
75	Chlorine			3.198		4.136		3.64		3.74					1											
76																										
77	404C4	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		
78																										
79	Feedstream Number			F3		F3		F3		F3		F3		F3												
80	Feed Class			Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW												
81	Feed Class 2														HW		HW		HW		HW		HW		HW	
82	Feedstream Description			Solid waste																						
83	Feedrate			5480		5560		5400		5020																
84	Heating value			5552		5651		5847		5019																
85	Chlorine			244		295		282		291					1											
86	Antimony			1.5892		1.2232		3.564		2.7108																
87	Arsenic			3.6168		3.892		8.64		9.1364																
88	Barium			1.5892		1.5568		2.16		2.5602																
89	Beryllium			0.009864		0.010008		0.01458		0.016064					1											
90	Cadmium			0.09316		0.09452		0.2214		0.23092																
91	Chromium			3.9456		4.0032		7.452		7.2288																
92	Copper			1.6988		1.7236		2.97		3.2128																
93	Lead			1.4248		1.2788		1.89		1.9076																
94	Mercury			0.033976		0.040032		0.02808		0.024096					1											
95	Nickel			0.25756		0.26132		0.3834		0.43172																
96	Silver			0.012604		0.012232		0.00702		0.010542					1											
97	Thallium			1 0.001096		1 0.001112		1 0.00108		1 0.001004					1											
98	Zinc			1.5344		1.5568		1.728		2.008																
99																										
100	Gas flowrate			94990		95622		99391		98895																
101	Oxygen			3.8		5		5.4		9.2																
102																										
103	Thermal Feedrate			30.4		31.4		31.6		25.2						268		297		279		260				
104	Estimated Firing Rate																									
105																										
106	<i>Feedrate MTECs</i>																									
107	Chlorine			559023		721756		680806		933432						1532731		1945071		1878253		2954265			0	
108	Antimony			3641		2993		8604		8695						3670		3263		8648		8996			0	
109	Arsenic			8286		9522		20859		29307						8296		9550		20872		36941			0	
110	Barium			3641		3809		5215		8212						4154		7577		6704		10817				
111	Beryllium			23		24		35		52						32		35		45		65				
112	Cadmium			213		231		535		741						262		416		568		822				
113	Chromium			9040		9794		17991		23188						9104		10651		18217		23771				
114	Copper			3892		4217		7170		10306						4187		8327		8626		12865				
115	Lead			3264		3129		4563		6119						3649		6280		5646		31267				
116	Mercury			78		98		68		77						83		103		72		89				
117	Nickel			590		639		926		1385						654		742		993		1520				
118	Silver			29		30		17		34						36		38		25		47				
119	Thallium			3		3		3		3						9		10		9		12				
120	Zinc			3515		3809		4172		6441						4927		15455		7692		15872				

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
61	Estimated Firing Rate																						
62																							
63	<i>Feedrate MTEC Calculatic</i>																						
64	Chlorine			546822		469351		525466		517757						233239		235857		255879		233098	
65																							
66																							
67																							
68	404C3			R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
69																							
70	Feedstream Number			F4		F4		F4		F4						F5		F5		F5		F5	
71	Feed Class			Raw material		Raw material		Raw material		Raw material						Spike		Spike		Spike		Spike	
72	Feedstream Description	HW																					
73	Feedrate															202		165		199		152	
74	Heating value																						
75	Chlorine			33.64	100	27.52	100	35.64	100	34.76													
76																							
77	404C4	R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4	
78																							
79	Feedstream Number			F4		F4		F4		F4						F5		F5		F5		F5	
80	Feed Class			Raw Material		Raw Material		Raw Material		Raw Material						Spike		Spike		Spike		Spike	
81	Feed Class 2	HW		RM		RM		RM		RM													
82	Feedstream Description			Raw material												Organic liquid spike							
83	Feedrate			171800		171800		175600		115000						171.9		208.9		198.0		205.8	
84	Heating value																						
85	Chlorine			34.36	1	34.36	1	35.12	1	23													
86	Antimony			0.5154		0.41232		0.45656		0.253													
87	Arsenic			0.24052		0.32642		0.38632		0.2185													
88	Barium			4.8104		5.3258		4.7412		3.105													
89	Beryllium			0.05154	1	0.05154	1	0.05268	1	0.0345													
90	Cadmium			0.015462		0.01718		0.01756		0.0115													
91	Chromium			1.01362		1.16824		1.2292		0.667													
92	Copper			0.36078		0.41232		0.42144		0.253													
93	Lead			0.3436		0.41232		0.38632		0.253													
94	Mercury			0.003436	1	0.003436	1	0.003512	1	0.0023													
95	Nickel			0.72156		0.6872		0.68484		0.4025													
96	Silver			0.00859		0.00859	1	0.00878	1	0.00575													
97	Thallium			0.03436	1	0.03436	1	0.03512	1	0.023													
98	Zinc			2.2334		2.577		2.2828		1.495													
99																							
100	Gas flowrate			94990		95622		99391		98895						94990		95622		99391		98895	
101	Oxygen			3.8		5		5.4		9.2						3.8		5		5.4		9.2	
102																							
103	Thermal Feedrate																						
104	Estimated Firing Rate																						
105																							
106	<i>Feedrate MTECs</i>																						
107	Chlorine	0	100	78721	100	84066	100	84787	100	73776								0		0		0	
108	Antimony	0		1181		1009		1102		812								0		0		0	
109	Arsenic	0		551		799		933		701								0		0		0	
110	Barium			11021		13030		11446		9960								0		0		0	
111	Beryllium		100	118	100	126	100	127	100	111								0		0		0	
112	Cadmium			35		42		42		37								0		0		0	
113	Chromium			2322		2858		2968		2140								0		0		0	
114	Copper			827		1009		1017		812								0		0		0	
115	Lead			787		1009		933		812								0		0		0	
116	Mercury		100	8	100	8	100	8	100	7								0		0		0	
117	Nickel			1653		1681		1653		1291								0		0		0	
118	Silver		100	20	100	21	100	21	100	18								0		0		0	
119	Thallium		100	79	100	84	100	85	100	74								0		0		0	
120	Zinc			5117		6305		5511		4795								0		0		0	

	B	BV	BW	BX	BY	BZ	CA	CB	C	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CN	CN	CP	CP	CR	CR	CT	CT	CV								
61	Estimated Firing Rate																																		
62																																			
63	<i>Feedrate MTEC Calculatic</i>																																		
64	Chlorine					239373		194900		253726		230778																							
65																																			
66																																			
67																																			
68	404C3	R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6							
69																																			
70	Feedstream Number					F6		F6		F6		F6		F6		F6		F7		F7		F7		F7											
71	Feed Class					Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike											
72	Feedstream Description																																		
73	Feedrate					194		156		189		143																							
74	Heating value					0		0		0		0																							
75	Chlorine																																		
76																																			
77	404C4	R5		R6		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6							
78																																			
79	Feedstream Number					F6		F6		F6		F6						F7		F7		F7		F7											
80	Feed Class					Spike		Spike		Spike		Spike						Spike		Spike		Spike		Spike											
81	Feed Class 2																																		
82	Feedstream Description																																		
83	Feedrate					164		198		186		196						Liquid metal spike																	
84	Heating value					0		0		0		0																							
85	Chlorine																																		
86	Antimony																																		
87	Arsenic																																		
88	Barium																																		
89	Beryllium																																		
90	Cadmium																																		
91	Chromium																																		
92	Copper																																		
93	Lead																																		
94	Mercury																																		
95	Nickel																																		
96	Silver																																		
97	Thallium																																		
98	Zinc																																		
99																																			
100	Gas flowrate					94990		95622		99391		98895						94990		95622		99391		98895											
101	Oxygen					3.8		5		5.4		9.2						3.8		5		5.4		9.2											
102																																			
103	Thermal Feedrate																																		
104	Estimated Firing Rate																																		
105																																			
106	<i>Feedrate MTECs</i>																																		
107	Chlorine					0		0		0								0		0		0		0											
108	Antimony					0		0		0								0		0		0		0											
109	Arsenic					0		0		0								51978		58202		51156		77012											
110	Barium					0		0		0								0		0		0		0											
111	Beryllium					0		0		0								2014		2226		2978		2932											
112	Cadmium					0		0		0								10093		9485		7923		7984											
113	Chromium					0		0		0								94368		78141		73383		91850											
114	Copper					0		0		0								0		0		0		0											
115	Lead					0		0		0								164514		171372		178141		122231											
116	Mercury					0		0		0								0		0		0		0											
117	Nickel					0		0		0								0		0		0		0											
118	Silver					0		0		0								0		0		0		0											
119	Thallium					0		0		0								0		0		0		0											
120	Zinc					0		0		0								0		0		0		0											

	B	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV		
61	Estimated Firing Rate														389.82		453.76		403.45		410.37							414.20	
62																													
63	<i>Feedrate MTEC Calculatic</i>																												
64	Chlorine		472612		430757		509604		463876						2593324		2749439		1771782		3356020							2617641	
65																													
66																													
67																													
68	404C3		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg		
69																													
70	Feedstream Number														F8		F8		F8		F8		F8		F8		F8		
71	Feed Class														Total		Total		Total		Total		Total		Total		Total		
72	Feedstream Description		Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		Total		Total		Total		Total		Total		
73	Feedrate																												
74	Heating value																												
75	Chlorine																												
76																													
77	404C4		R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg		
78																													
79	Feedstream Number														F8		F8		F8		F8		F8		F8		F8		
80	Feed Class														Total		Total		Total		Total		Total		Total		Total		
81	Feed Class 2		Spike		Spike		Spike		Spike		Spike		Spike		Total		Total		Total		Total		Total		Total		Total		
82	Feedstream Description														Total		Total		Total		Total		Total		Total		Total		
83	Feedrate																												
84	Heating value																												
85	Chlorine																												
86	Antimony																												
87	Arsenic																												
88	Barium																												
89	Beryllium																												
90	Cadmium																												
91	Chromium																												
92	Copper																												
93	Lead																												
94	Mercury																												
95	Nickel																												
96	Silver																												
97	Thallium																												
98	Zinc																												
99																													
100	Gas flowrate														94990		95622		99391		98895								
101	Oxygen														3.8		5		5.4		9.2								
102																													
103	Thermal Feedrate														388		429		389		403							402	
104	Estimated Firing Rate														518.68		485.70		492.22		370.46							467	
105																													
106	<i>Feedrate MTECs</i>																												
107	Chlorine		0		0		0		0		0		0		4.93	1595323	4	2013234	4	1942906	2	3028042				3.7	2144876		
108	Antimony		0		0		0		0		0		0			4879		4306		9773		9852					7202		
109	Arsenic		51978		58202		51156		77012		0		0			62219		69412		73628		116388					80412		
110	Barium		0		0		0		0		0		0			15826		21077		18640		21478					19255		
111	Beryllium		2014		2226		2978		2932		0		0		5.44	2171	5	2394	4	3157	4	3119				4.4	2710		
112	Cadmium		10093		9485		7923		7984		0		0			15059		10105		8574		8916					10664		
113	Chromium		94368		78141		73383		91850		0		0			105841		91702		94613		117834					102498		
114	Copper		0		0		0		0		0		0			5269		9582		9910		14016					9694		
115	Lead		164514		171372		178141		122231		0		0			169122		178815		184831		154534					171825		
116	Mercury		0		0		0		0		0		0		8.48	93	7	114	10	82	7	105				8.2	98		
117	Nickel		0		0		0		0		0		0			2656		2711		2914		3172					2863		
118	Silver		0		0		0		0		0		0		34.7	57	35	60	45	47	27	67				35	58		
119	Thallium		0		0		0		0		0		0		77.5	102	79	107	84	101	68	108				77	104		
120	Zinc		0		0		0		0		0		0			730221		22439		13849		21515					197006		

	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
121	SVM		ug/dscm		4841		316		151		299						433		3336		1117		25229			
122	LVM		ug/dscm		1447		922		719		1819						83		894		250		8232			
123																										
124	404C5				R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5	
125	Feedstream Number				Coal		Coal		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW			
126	Feed Class				Coal		Coal		Coal		Coal		Coal		Coal											
127	Feedstream Description																									
128	Feedrate		lb/hr															0		0						
129	Heating value		Btu/lb															0		0						
130	Chlorine		lb/hr															0		0						
131																										
132																										
133	404C6				R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		R5	
134	Feedstream Number				F1		F1		F1		F1		F1													
135	Feed Class				Coal		Coal		Coal		Coal		Coal		Coal											
136	Feedstream Description				Coal		Coal		Coal		Coal		Coal		Coal		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW	
137	Feedrate		lb/hr		8904		19446		12462		17216		13610													
138	Heating value		Btu/lb																							
139	Chlorine		lb/hr																							
140																										
141																										

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY
121	SVM			3478		3360		5097		6860						3911		6696		6214		32089			
122	LVM			17349		19341		38885		52546						17432		20235		39135		60777			
123																									
124	404C5	R6		R1		R2		R3		R4		R5		R6											
125				Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW											
126	Feedstream Number															HW		HW		HW		HW		HW	
127	Feed Class																								
128	Feedstream Description																								
129	Feedrate			0		0																			
130	Heating value			0		0																			
131	Chlorine			0		0																			
132																									
133	404C6	R6		R1		R2		R3		R4		R5		R6											
134																									
135	Feedstream Number			F2		F2		F2		F2															
136	Feed Class	Liq HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW											
137	Feedstream Description															HW		HW		HW		HW		HW	
138	Feedrate			3718		3206		3718		2522															
139	Heating value			0		0		0		0															
140	Chlorine																								
141																									

	B	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	
121	SVM			823		1051		975		848								0		0		0		
122	LVM		3.9	2991	3.3	3783	3.2	4027	3.8	2951								0		0		0		
123																								
124	404C5			R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		
125				Raw material		Raw material		Raw material		Raw material						Spike		Spike		Spike		Spike		
126	Feedstream Number	HW																						
127	Feed Class																							
128	Feedstream Description																							
129	Feedrate																							
130	Heating value																							
131	Chlorine																							
132																								
133	404C6			R1		R2		R3		R4		R5		R6		R1		R2		R3		R4		
134																								
135	Feedstream Number			F3		F3		F3		F3		F3				F4		F4		F4		F4		
136	Feed Class			Raw material		Raw material		Raw material		Raw material						Spike		Spike		Spike		Spike		
137	Feedstream Description	HW																						
138	Feedrate			159220		162848		163300		162660		160060												
139	Heating value																	400		400		400		400
140	Chlorine																	0		0		0		0
141																		400		400		400		400

	B	BV	BW	BX	BY	BZ	CA	CB	C	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CN	CN	CP	CC	CR	CS	CT	CI	CV
121	SVM					0		0		0								174606	180857	186064		130214					
122	LVM					0		0		0								148360	138569	127517		171794					
123																											
124	404C5	R5		R6		R1		R2		R3		R4		R5		R6		R1	R2	R3		R4		R5		R6	
125					Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike	Spike	Spike		Spike		Spike		Spike
126	Feedstream Number																										
127	Feed Class																										
128	Feedstream Description																										
129	Feedrate																										
130	Heating value																										
131	Chlorine																										
132																											
133	404C6	R5		R6		R1		R2		R3		R4		R5		R6		R1	R2	R3		R4		R5		R6	
134																											
135	Feedstream Number	F4																									
136	Feed Class					Spike		Spike		Spike		Spike		Spike		Spike		Spike	Spike	Spike	Spike		Spike		Spike		Spike
137	Feedstream Description																										
138	Feedrate																										
139	Heating value		400																								
140	Chlorine		0																								
141			400																								

	B	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV
121	SVM		174606	180857	186064	130214									184181		188920		193405		163450						182489
122	LVM		148360	138569	127517	171794								0.07	170231	0	163509	0	171398	0	237341					0.1	185620
123																											
124	404C5														R1	R2	R3	R4	R5	R6							Cond Avg
125															Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
126	Feedstream Number		Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike																
127	Feed Class																										
128	Feedstream Description																										
129	Feedrate																										
130	Heating value																										
131	Chlorine																										
132																											
133	404C6		R1	R2	R3	R4	R5	R6						R1	R2	R3	R4	R5	R6								Cond Avg
134																											
135	Feedstream Number																										
136	Feed Class														Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total
137	Feedstream Description		Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike	Spike																
138	Feedrate																										
139	Heating value																										
140	Chlorine																										
141																											

	B	C	D	E	F	G	H	I
1	Process Information							
2				1	2	3	4	Cond Avg
3	404C10		max op cond					
4								
5	ESP Inlet Temp	F	max HRA	473	462	446	468	462.3
6	ESP Inlet Temp	F	RA	453	443	438	454	
7	ESP Power	kVA	min HRA	106.2	102.6	98.6	104.6	
8	ESP Power	kVA	RA	111	107.1	113	108.3	
9	Chain Temp	F	max HRA	1816	1790	1806	1768	
10	Chain Temp	F	RA	1790	1771	1781	1761	
11								
12				5	6	7		Cond Avg
13	404C11		Risk burn norm ops					
14								
15	ESP Inlet Temp	F	max HRA	458	445	455		452.7
16	ESP Inlet Temp	F	RA	452	442	447		
17	ESP Power	kVA	min HRA	98.8	94.4	102.7		
18	ESP Power	kVA	RA	105.5	98.7	104.1		
19	Chain Temp	F	max HRA	1738	1719	1757		
20	Chain Temp	F	RA	1731	1706	1748		

	C	D	E	F	G	H	I	J
1	Process Information 2							
2								
3	404C1							
4								
5	Combustion Temperature	F	1769	1767	1788	1755	1838	1757
6	ESP Temperature	F	487	474	474	514	524	519
7	ESP Power	kVA	104.5	107.3	107.5	104.1	92.1	94.3
8								
9	404C2							
10								
11	Combustion Temperature	F	1398	1362	1370	1332		
12	ESP Temperature	F	388	435	376	404		
13	ESP Power	kVA	107.5	105.5	115.3	112.4		
14								
15	404C3							
16								
17	Combustion Temperature	F	1473	1541	1499	1576		
18	ESP Temperature	F	397	430	407	425		
19	ESP Power	kVA	100.7	103.4	142.3	135.8		
20								
21	404C4							
22								
23	Combustion Temperature	F	1794	1759	1770	1745		
24	ESP Temperature	F	515	509	521	517		
25	ESP Power	kVA	94.1	95.1	100.3	94.8		
26								
27	404C6							
28								
29	ESP Temperature	F	458.2	452.8	448.04	454.6	473.15	
30								
31	404C7							
32								
33	Combustion Temperature	F	1570					
34	ESP Temperature	F	447					
35								
36	404C8							
37								
38	Combustion Temperature	F	1799	1724	1760	1745	1762	1755
39	ESP Temperature	F	549	553	565	560	466	479
40								
41	404C9							
42								
43	Combustion Temperature	F	1720	1719				
44	ESP Temperature	F	522	515				
45								
46	404B1							
47								
48	Combustion Temperature	F	1504	1523				
49	ESP Temperature	F	427	424				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	PCDD/PCDF																						
2	N																						
3	Facility Name and ID:		Ash Grove, Foreman, AR, Kiln No. 3																				
4	Condition ID:		404C10																				
5	Condition/Test Date:		CoC burn, 1/15-16/98																				
6																							
7		I-TEF	Run 1				Run 2				Run 3				Run 4								
8		Wght Fact	Total	TEQ	Total	TEQ	Total	TEQ	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	Full ND	Full ND	1/2 ND	1/2 ND	
10	Detected in sample volume (ng)																						
11	2,3,7,8-TCDD	1	0.05	0.0500	0.050	0.0500	0.05	0.0500	0.050	0.0500	0.06	0.0600	0.060	0.0600	0.07	0.0700	0.070	0.0700					
12	TCDD Total	0	7.5	0.0000	7.500	0.0000	5.5	0.0000	5.500	0.0000	5.4	0.0000	5.400	0.0000	11.6	0.0000	11.600	0.0000					
13	1,2,3,7,8-PCDD	0.5	0.03	0.0150	0.030	0.0150	0.04	0.0200	0.040	0.0200	0.05	0.0250	0.050	0.0250	0.12	0.0600	0.120	0.0600					
14	PCDD Total	0	3.8	0.0000	3.800	0.0000	3.8	0.0000	3.800	0.0000	5.3	0.0000	5.300	0.0000	13.5	0.0000	13.500	0.0000					
15	1,2,3,4,7,8-HxCDD	0.1	0.02	0.0020	0.020	0.0020	0.02	0.0020	0.020	0.0020	0.05	0.0050	0.050	0.0050	0.19	0.0190	0.190	0.0190					
16	1,2,3,6,7,8-HxCDD	0.1	0.04	0.0040	0.040	0.0040	0.05	0.0050	0.050	0.0050	0.12	0.0120	0.120	0.0120	0.53	0.0530	0.530	0.0530					
17	1,2,3,7,8,9-HxCDD	0.1	0.05	0.0050	0.050	0.0050	0.05	0.0050	0.050	0.0050	0.09	0.0090	0.090	0.0090	0.3	0.0300	0.300	0.0300					
18	HxCDD Total	0	2.35	0.0000	2.350	0.0000	20	0.0000	20.000	0.0000	28.7	0.0000	28.700	0.0000	74.1	0.0000	74.100	0.0000					
19	1,2,3,4,6,7,8-HpCDD	0.01	0.33	0.0033	0.330	0.0033	0.4	0.0040	0.400	0.0040	1	0.0100	1.000	0.0100	3.8	0.0380	3.800	0.0380					
20	HpCDD Total	0	0.74	0.0000	0.740	0.0000	0.93	0.0000	0.930	0.0000	2.4	0.0000	2.400	0.0000	8.7	0.0000	8.700	0.0000					
21	OCDD	0.001	0.09	0.0001	0.090	0.0001	0.11	0.0001	0.110	0.0001	0.29	0.0003	0.290	0.0003	0.74	0.0007	0.740	0.0007					
22	2,3,7,8-TCDF	0.1	0.04	0.0040	0.040	0.0040	0.04	0.0040	0.040	0.0040	0.04	0.0040	0.040	0.0040	0.11	0.0110	0.110	0.0110					
23	TCDF Total	0	1.5	0.0000	1.500	0.0000	1.1	0.0000	1.100	0.0000	2.1	0.0000	2.100	0.0000	6.6	0.0000	6.600	0.0000					
24	1,2,3,7,8-PCDF	0.05	0.01	0.0005	0.010	0.0005	0.01	0.0005	0.010	0.0005	0.03	0.0015	0.030	0.0015	0.09	0.0045	0.090	0.0045					
25	2,3,4,7,8-PCDF	0.5	0.05	0.0250	0.050	0.0250	0.03	0.0150	0.030	0.0150	0.06	0.0300	0.060	0.0300	0.33	0.1650	0.330	0.1650					
26	PCDF Total	0	0.28	0.0000	0.280	0.0000	0.24	0.0000	0.240	0.0000	0.19	0.0000	0.190	0.0000	1.5	0.0000	1.500	0.0000					
27	1,2,3,4,7,8-HxCDF	0.1	0.03	0.0030	0.030	0.0030	0.02	0.0020	0.020	0.0020	0.04	0.0040	0.040	0.0040	0.16	0.0160	0.160	0.0160					
28	1,2,3,6,7,8-HxCDF	0.1	0.01	0.0010	0.010	0.0010	0.01	0.0010	0.010	0.0010	0.01	0.0010	0.010	0.0010	0.09	0.0090	0.090	0.0090					
29	2,3,4,6,7,8-HxCDF	0.1	0.02	0.0020	0.020	0.0020	0.02	0.0020	0.020	0.0020	0.004	0.0004	0.004	0.0004	0.22	0.0220	0.220	0.0220					
30	1,2,3,7,8,9-HxCDF	0.1	0.006	0.0006	0.006	0.0006	0.006	0.0006	0.006	0.0006	0.004	0.0004	0.004	0.0004	0.04	0.0040	0.040	0.0040					
31	HxCDF Total	0	0.08	0.0000	0.080	0.0000	0.1	0.0000	0.100	0.0000	0.09	0.0000	0.090	0.0000	1.3	0.0000	1.300	0.0000					
32	1,2,3,4,6,7,8-HpCDF	0.01	0.01	0.0001	0.010	0.0001	0.02	0.0002	0.020	0.0002	0.03	0.0003	0.030	0.0003	0.11	0.0011	0.110	0.0011					
33	1,2,3,4,7,8,9-HpCDF	0.01	0.009	0.0001	0.009	0.0001	0.007	0.0001	0.007	0.0001	0.006	0.0001	0.006	0.0001	0.04	0.0004	0.040	0.0004					
34	HpCDF Total	0	0.01	0.0000	0.010	0.0000	0.02	0.0000	0.020	0.0000	0.03	0.0000	0.030	0.0000	0.22	0.0000	0.220	0.0000					
35	OCDF	0.001	0.01	0.0000	0.010	0.0000	0.02	0.0000	0.020	0.0000	0.03	0.0000	0.030	0.0000	0.05	0.0001	0.050	0.0001					
36																							
37	Gas sample volume (dscf)		131.66	131.66	131.66		120.04	120.04	120.04		116.57	116.57	116.57		120.99	120.99	120.99						
38	O2 (%)		7.81	7.81	7.81		7.7	7.7	7.7		7.7	7.7	7.7		8.0	8.0	8.0						
39																							
40	PCDD/PCDF (ng in sample)		0.116	16.360	0.116		0.112	31.820	0.112		0.163	44.530	0.163		0.504	118.310	0.504						
41	PCDD/PCDF (ng/dscm @ 7% O2)		0.033	4.660	0.033		0.035	9.853	0.035		0.052	14.219	0.052		0.159	37.268	0.159						
42																							
43	TEQ Cond Avg		0.070																				
44	Total Cond Avg		16.500																				

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	404C1	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		0.0461	0.0461	0.0461		0.0370	0.0370	0.0370		0.0271	0.0271	0.0271
6	4D Other	0		25.5676	25.5676	0.0000		11.9828	11.9828	0.0000		9.0508	9.0508	0.0000
7	4D Total	0		25.6137	25.6137	0.0000		12.0198	12.0198	0.0000		9.0780	9.0780	0.0000
8	5D 12378	0.5		0.3253	0.3253	0.1626		0.2065	0.2065	0.1032		0.1357	0.1357	0.0679
9	5D Other	0		34.9105	34.9105	0.0000		17.1452	17.1452	0.0000		13.6471	13.6471	0.0000
10	5D Total	0		35.2357	35.2357	0.0000		17.3517	17.3517	0.0000		13.7828	13.7828	0.0000
11	6D 123478	0.1		0.4608	0.4608	0.0461		0.2712	0.2712	0.0271		0.1659	0.1659	0.0166
12	6D 123678	0.1		0.6505	0.6505	0.0651		0.3698	0.3698	0.0370		0.2443	0.2443	0.0244
13	6D 123789	0.1		0.7318	0.7318	0.0732		0.4315	0.4315	0.0431		0.2835	0.2835	0.0283
14	6D Other	0		60.7681	60.7681	0.0000		29.4393	29.4393	0.0000		20.6290	20.6290	0.0000
15	6D Total	0		62.6112	62.6112	0.0000		30.5119	30.5119	0.0000		21.3227	21.3227	0.0000
16	7D 1234678	0.01		3.1712	3.1712	0.0317		1.7876	1.7876	0.0179		1.0556	1.0556	0.0106
17	7D Other	0		4.3367	4.3367	0.0000		2.5581	2.5581	0.0000		1.5984	1.5984	0.0000
18	7D Total	0		7.5079	7.5079	0.0000		4.3456	4.3456	0.0000		2.6540	2.6540	0.0000
19	8D	0.001		1.7076	1.7076	0.0017		1.3869	1.3869	0.0014		1.1461	1.1461	0.0011
20	4F 2378	0.1		3.4152	3.4152	0.3415		1.7567	1.7567	0.1757		1.2365	1.2365	0.1237
21	4F Other	0		14.3924	14.3924	0.0000		6.8729	6.8729	0.0000		5.6700	5.6700	0.0000
22	4F Total	0		17.8076	17.8076	0.0000		8.6296	8.6296	0.0000		6.9065	6.9065	0.0000
23	5F 12378	0.05	1	0.5150	0.2575	0.0129	1	0.3082	0.1541	0.0077	1	0.2081	0.1040	0.0052
24	5F 23478	0.5		1.2468	1.2468	0.6234		0.7397	0.7397	0.3698		0.4825	0.4825	0.2413
25	5F Other	0		5.6648	5.6648	0.0000		2.6197	2.6197	0.0000		2.1745	2.1745	0.0000
26	5F Total	0		7.4266	7.4266	0.0000		3.6676	3.6676	0.0000		2.8651	2.8651	0.0000
27	6F 123478	0.1	1	0.5150	0.2575	0.0257	1	0.2805	0.1402	0.0140	1	0.1870	0.0935	0.0093
28	6F 123678	0.1		0.2467	0.2467	0.0247		0.1510	0.1510	0.0151		0.0935	0.0935	0.0093
29	6F 123789	0.1	1	0.0515	0.0257	0.0026	1	0.0370	0.0185	0.0018	1	0.0211	0.0106	0.0011
30	6F 234678	0.1	1	0.4879	0.2439	0.0244	1	0.2805	0.1402	0.0140	1	0.1629	0.0814	0.0081
31	6F Other	0		0.9487	0.9487	0.0000		0.4531	0.4531	0.0000		0.3498	0.3498	0.0000
32	6F Total	0		2.2497	2.2497	0.0000		1.2020	1.2020	0.0000		0.8143	0.8143	0.0000
33	7F 1234678	0.01		0.1789	0.1789	0.0018		0.1048	0.1048	0.0010		0.0664	0.0664	0.0007
34	7F 1234789	0.01		0.0705	0.0705	0.0007		0.0462	0.0462	0.0005		0.0241	0.0241	0.0002
35	7F Other	0		0.2385	0.2385	0.0000		0.1325	0.1325	0.0000		0.0784	0.0784	0.0000
36	7F Total	0		0.4879	0.4879	0.0000		0.2835	0.2835	0.0000		0.1689	0.1689	0.0000
37	8F	0.001	1	0.0515	0.0257	0.0000	1	0.0308	0.0154	0.0000	1	0.0181	0.0090	0.0000
38	Total PCDD/PCDF			160.6993	160.6735			79.4295	79.4141			58.7564	58.7474	
39	TEQ		8.5	1.5497		1.4841	8.3	0.9041		0.8665	7.9	0.5988		0.5750

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	404C3	I-TEF			R1				R2				R3				R4	
2		Wght Fact		Total	Total	TEQ		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		Full ND	1/2 ND	1/2 ND
4																		
5	4D 2378	1		0.0220	0.0220	0.0220		0.0250	0.0250	0.0250		0.0157	0.0157	0.0157		0.0182	0.0182	0.0182
6	4D Other	0		0.9003	0.9003	0.0000		16.8127	16.8127	0.0000		1.2246	1.2246	0.0000		3.3607	3.3607	0.0000
7	4D Total	0		0.9223	0.9223	0.0000		16.8377	16.8377	0.0000		1.2402	1.2402	0.0000		3.3789	3.3789	0.0000
8	5D 12378	0.5		0.0341	0.0341	0.0170		0.1111	0.1111	0.0555		0.0259	0.0259	0.0130		0.0699	0.0699	0.0349
9	5D Other	0		0.6206	0.6206	0.0000		18.8707	18.8707	0.0000		1.4885	1.4885	0.0000		3.6713	3.6713	0.0000
10	5D Total	0		0.6547	0.6547	0.0000		18.9818	18.9818	0.0000		1.5144	1.5144	0.0000		3.7412	3.7412	0.0000
11	6D 123478	0.1		0.0128	0.0128	0.0013		0.2037	0.2037	0.0204		0.0314	0.0314	0.0031		0.0997	0.0997	0.0100
12	6D 123678	0.1		0.0348	0.0348	0.0035		0.2811	0.2811	0.0281		0.0455	0.0455	0.0046		0.1305	0.1305	0.0131
13	6D 123789	0.1		0.0408	0.0408	0.0041		0.3741	0.3741	0.0374		0.0573	0.0573	0.0057		0.1828	0.1828	0.0183
14	6D Other	0		1.3140	1.3140	0.0000		58.7736	58.7736	0.0000		2.8708	2.8708	0.0000		7.7591	7.7591	0.0000
15	6D Total	0		1.4024	1.4024	0.0000		59.6325	59.6325	0.0000		3.0050	3.0050	0.0000		8.1722	8.1722	0.0000
16	7D 1234678	0.01		0.3616	0.3616	0.0036		1.5511	1.5511	0.0155		0.2431	0.2431	0.0024		0.6363	0.6363	0.0064
17	7D Other	0		0.3396	0.3396	0.0000		2.8207	2.8207	0.0000		0.3894	0.3894	0.0000		0.0040	0.0040	0.0000
18	7D Total	0		0.7012	0.7012	0.0000		4.3718	4.3718	0.0000		0.6325	0.6325	0.0000		0.6403	0.6403	0.0000
19	8D	0.001		0.9283	0.9283	0.0009		0.6473	0.6473	0.0006		0.1650	0.1650	0.0002		0.4282	0.4282	0.0004
20	4F 2378	0.1		0.1341	0.1341	0.0134		1.0442	1.0442	0.1044		0.1888	0.1888	0.0189		0.6615	0.6615	0.0661
21	4F Other	0		0.8634	0.8634	0.0000		6.3726	6.3726	0.0000		1.0243	1.0243	0.0000		3.5245	3.5245	0.0000
22	4F Total	0		0.9975	0.9975	0.0000		7.4168	7.4168	0.0000		1.2131	1.2131	0.0000		4.1860	4.1860	0.0000
23	5F 12378	0.05		0.0142	0.0142	0.0007		0.0868	0.0868	0.0043		0.0181	0.0181	0.0009		0.0800	0.0800	0.0040
24	5F 23478	0.5		0.0298	0.0298	0.0149		0.2366	0.2366	0.1183		0.0458	0.0458	0.0229		0.1890	0.1890	0.0945
25	5F Other	0		0.1842	0.1842	0.0000		1.9187	1.9187	0.0000		0.4075	0.4075	0.0000		1.4618	1.4618	0.0000
26	5F Total	0		0.2282	0.2282	0.0000		2.2422	2.2422	0.0000		0.4714	0.4714	0.0000		1.7309	1.7309	0.0000
27	6F 123478	0.1		0.0291	0.0291	0.0029		0.1465	0.1465	0.0147		0.0274	0.0274	0.0027		0.1247	0.1247	0.0125
28	6F 123678	0.1		0.0142	0.0142	0.0014		0.0637	0.0637	0.0064		0.0157	0.0157	0.0016		0.0637	0.0637	0.0064
29	6F 123789	0.1		0.0021	0.0021	0.0002		0.0181	0.0181	0.0018		0.0030	0.0030	0.0003		0.0105	0.0105	0.0010
30	6F 234678	0.1		0.0238	0.0238	0.0024		0.1331	0.1331	0.0133		0.0296	0.0296	0.0030		0.1050	0.1050	0.0105
31	6F Other	0		0.0916	0.0916	0.0000		0.5673	0.5673	0.0000		0.1056	0.1056	0.0000		0.4273	0.4273	0.0000
32	6F Total	0		0.1607	0.1607	0.0000		0.9288	0.9288	0.0000		0.1813	0.1813	0.0000		0.7311	0.7311	0.0000
33	7F 1234678	0.01		0.0561	0.0561	0.0006		0.0999	0.0999	0.0010		0.0241	0.0241	0.0002		0.0976	0.0976	0.0010
34	7F 1234789	0.01		0.0181	0.0181	0.0002		0.0213	0.0213	0.0002		0.0072	0.0072	0.0001		0.0185	0.0185	0.0002
35	7F Other	0		0.0529	0.0529	0.0000		0.0275	0.0275	0.0000		0.0066	0.0066	0.0000		0.0382	0.0382	0.0000
36	7F Total	0		0.1270	0.1270	0.0000		0.1487	0.1487	0.0000		0.0380	0.0380	0.0000		0.1542	0.1542	0.0000
37	8F	0.001		0.1143	0.1143	0.0001		0.0507	0.0507	0.0001		0.0181	0.0181	0.0000		0.0493	0.0493	0.0000
38	Total PCDD/PCDF			6.2366	6.2366			111.2581	111.2581			8.4790	8.4790			23.2122	23.2122	
39	TEQ		0.0	0.0892		0.0892	0.0	0.4470		0.4470	0.0	0.0953		0.0953	0.0	0.2974		0.2974

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	404C4	I-TEF			R1				R2				R3				R4	
2		Wght Fact		Total	Total	TEQ		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		Full ND	1/2 ND	1/2 ND
4																		
5	4D 2378	1		0.0235	0.023	0.0235		0.0376	0.038	0.0376		0.0932	0.093	0.0932		0.2479	0.248	0.2479
6	4D Other	0		20.3686	20.369	0.0000		45.1537	45.154	0.0000		80.3056	80.306	0.0000		71.8966	71.897	0.0000
7	4D Total	0		20.3920	20.392	0.0000		45.1913	45.191	0.0000		80.3988	80.399	0.0000		72.1445	72.144	0.0000
8	5D 12378	0.5		0.2414	0.241	0.1207		0.4243	0.424	0.2122		1.1772	1.177	0.5886		1.0795	1.080	0.5398
9	5D Other	0		32.0102	32.010	0.0000		64.8854	64.885	0.0000		114.3818	114.382	0.0000		100.8827	100.883	0.0000
10	5D Total	0		32.2516	32.252	0.0000		65.3098	65.310	0.0000		115.5589	115.559	0.0000		101.9622	101.962	0.0000
11	6D 123478	0.1		0.2271	0.227	0.0227		0.4038	0.404	0.0404		1.2814	1.281	0.1281		1.1899	1.190	0.1190
12	6D 123678	0.1		0.4886	0.489	0.0489		0.8571	0.857	0.0857		2.2077	2.208	0.2208		2.1567	2.157	0.2157
13	6D 123789	0.1		0.5713	0.571	0.0571		0.9314	0.931	0.0931		2.7645	2.765	0.2765		2.5574	2.557	0.2557
14	6D Other	0		37.4415	37.441	0.0000		69.8793	69.879	0.0000		134.4641	134.464	0.0000		149.0608	149.061	0.0000
15	6D Total	0		38.7285	38.728	0.0000		72.0716	72.072	0.0000		140.7178	140.718	0.0000		154.9648	154.965	0.0000
16	7D 1234678	0.01		1.5816	1.582	0.0158		2.7312	2.731	0.0273		7.6103	7.610	0.0761		6.5267	6.527	0.0653
17	7D Other	0		2.5773	2.577	0.0000		4.8533	4.853	0.0000		11.6963	11.696	0.0000		10.8474	10.847	0.0000
18	7D Total	0		4.1589	4.159	0.0000		7.5845	7.584	0.0000		19.3066	19.307	0.0000		17.3740	17.374	0.0000
19	8D	0.001		0.4516	0.452	0.0005		0.5823	0.582	0.0006		2.6917	2.692	0.0027		1.6441	1.644	0.0016
20	4F 2378	0.1		1.7631	1.763	0.1763		2.8414	2.841	0.2841		9.6044	9.604	0.9604		12.2722	12.272	1.2272
21	4F Other	0		9.0523	9.052	0.0000		15.3784	15.378	0.0000		49.9479	49.948	0.0000		56.1089	56.109	0.0000
22	4F Total	0		10.8154	10.815	0.0000		18.2198	18.220	0.0000		59.5523	59.552	0.0000		68.3811	68.381	0.0000
23	5F 12378	0.05		0.2607	0.261	0.0130		0.4466	0.447	0.0223		1.5427	1.543	0.0771		1.7522	1.752	0.0876
24	5F 23478	0.5		0.6456	0.646	0.3228		1.0989	1.099	0.5495		4.0047	4.005	2.0024		4.7745	4.774	2.3872
25	5F Other	0		3.9271	3.927	0.0000		9.0129	9.013	0.0000		24.6639	24.664	0.0000		34.4788	34.479	0.0000
26	5F Total	0		4.8334	4.833	0.0000		10.5584	10.558	0.0000		30.2113	30.211	0.0000		41.0055	41.005	0.0000
27	6F 123478	0.1		0.3165	0.317	0.0317		0.5574	0.557	0.0557		2.4501	2.450	0.2450		2.4699	2.470	0.2470
28	6F 123678	0.1		0.1559	0.156	0.0156		0.2760	0.276	0.0276		1.2252	1.225	0.1225		1.2277	1.228	0.1228
29	6F 123789	0.1		0.0305	0.031	0.0031		0.0616	0.062	0.0062		0.1898	0.190	0.0190		0.2235	0.223	0.0223
30	6F 234678	0.1		0.2573	0.257	0.0257		0.4270	0.427	0.0427		1.9973	1.997	0.1997		1.9879	1.988	0.1988
31	6F Other	0		1.1918	1.192	0.0000		2.0786	2.079	0.0000		9.4530	9.453	0.0000		8.9504	8.950	0.0000
32	6F Total	0		1.9521	1.952	0.0000		3.4006	3.401	0.0000		15.3154	15.315	0.0000		14.8594	14.859	0.0000
33	7F 1234678	0.01		0.2112	0.211	0.0021		0.3350	0.335	0.0033		1.5504	1.550	0.0155		1.2949	1.295	0.0129
34	7F 1234789	0.01		0.0639	0.064	0.0006		0.1085	0.108	0.0011		0.5788	0.579	0.0058		0.4511	0.451	0.0045
35	7F Other	0		0.1885	0.189	0.0000		0.1805	0.181	0.0000		1.6701	1.670	0.0000		1.2774	1.277	0.0000
36	7F Total	0		0.4636	0.464	0.0000		0.6239	0.624	0.0000		3.7993	3.799	0.0000		3.0234	3.023	0.0000
37	8F	0.001		0.0962	0.096	0.0001		0.1620	0.162	0.0002		0.5619	0.562	0.0006		0.4584	0.458	0.0005
38	Total PCDD/PCDF			114.1433	114.143			223.7041	223.704			468.1140	468.114			475.8175	475.818	
39	TEQ		0.0	0.8802		0.8802	0.0	1.4896		1.4896	0.0	5.0340		5.0340	0.0	5.7559		5.7559

	C	D	E	F	G	H	I	J	K	L
1	404C5	I-TEF			R1				R2	
2		Wght Fact		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
4										
5	4D 2378	1		0.0307	0.031	0.0307		0.0297	0.030	0.0297
6	4D Other	0		9.0661	9.066	0.0000		2.8317	2.832	0.0000
7	4D Total	0		9.0967	9.097	0.0000		2.8614	2.861	0.0000
8	5D 12378	0.5		0.1325	0.133	0.0663		0.0509	0.051	0.0255
9	5D Other	0		15.4277	15.428	0.0000		2.7210	2.721	0.0000
10	5D Total	0		15.5603	15.560	0.0000		2.7720	2.772	0.0000
11	6D 123478	0.1		0.1526	0.153	0.0153		0.0425	0.042	0.0042
12	6D 123678	0.1		0.2791	0.279	0.0279		0.0781	0.078	0.0078
13	6D 123789	0.1		0.3766	0.377	0.0377		0.0569	0.057	0.0057
14	6D Other	0		21.2492	21.249	0.0000		5.6116	5.612	0.0000
15	6D Total	0		22.0575	22.057	0.0000		5.7890	5.789	0.0000
16	7D 1234678	0.01		1.0305	1.030	0.0103		0.2372	0.237	0.0024
17	7D Other	0		1.8309	1.831	0.0000		0.4382	0.438	0.0000
18	7D Total	0		2.8614	2.861	0.0000		0.6754	0.675	0.0000
19	8D	0.001		0.3621	0.362	0.0004		0.1172	0.117	0.0001
20	4F 2378	0.1		1.6379	1.638	0.1638		0.5067	0.507	0.0507
21	4F Other	0		7.8807	7.881	0.0000		2.5082	2.508	0.0000
22	4F Total	0		9.5186	9.519	0.0000		3.0148	3.015	0.0000
23	5F 12378	0.05		0.2608	0.261	0.0130		0.0693	0.069	0.0035
24	5F 23478	0.5		0.6053	0.605	0.3027		0.1381	0.138	0.0691
25	5F Other	0		5.4026	5.403	0.0000		0.8146	0.815	0.0000
26	5F Total	0		6.2687	6.269	0.0000		1.0221	1.022	0.0000
27	6F 123478	0.1		0.3604	0.360	0.0360		0.1146	0.115	0.0115
28	6F 123678	0.1		0.2153	0.215	0.0215		0.0493	0.049	0.0049
29	6F 123789	0.1		0.0292	0.029	0.0029		0.0133	0.013	0.0013
30	6F 234678	0.1		0.3130	0.313	0.0313		0.0685	0.068	0.0068
31	6F Other	0		1.1850	1.185	0.0000		0.4215	0.421	0.0000
32	6F Total	0		2.1028	2.103	0.0000		0.6672	0.667	0.0000
33	7F 1234678	0.01		0.2934	0.293	0.0029		0.0586	0.059	0.0006
34	7F 1234789	0.01		0.1029	0.103	0.0010		0.0133	0.013	0.0001
35	7F Other	0		0.3398	0.340	0.0000		0.0402	0.040	0.0000
36	7F Total	0		0.7361	0.736	0.0000		0.1121	0.112	0.0000
37	8F	0.001		0.1365	0.137	0.0001		0.0147	0.015	0.0000
38	Total PCDD/PCDF			68.7008	68.701			17.0459	17.046	
39	TEQ		0.0	0.7638		0.7638	0.0	0.2239		0.2239

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	
1	404C6	I-TEF		R1		R2		R3		R4		R5											
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ		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		Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND	
4																							
5	4D 2378	1		0.0271	0.027	0.0271		0.0225	0.023	0.0225		0.0191	0.019	0.0191		0.0209	0.021	0.0209		0.0206	0.021	0.0206	
6	4D Other	0		19.5133	19.513	0.0000		7.9694	7.969	0.0000		12.0271	12.027	0.0000		8.9916	8.992	0.0000		1.7446	1.745	0.0000	
7	4D Total	0		19.5405	19.540	0.0000		7.9919	7.992	0.0000		12.0462	12.046	0.0000		9.0125	9.013	0.0000		1.7652	1.765	0.0000	
8	5D 12378	0.5		0.1116	0.112	0.0558		0.0647	0.065	0.0324		0.0572	0.057	0.0286		0.0261	0.026	0.0131	2	0.0118	0.012	0.0059	
9	5D Other	0		20.0923	20.092	0.0000		8.4900	8.490	0.0000		11.0351	11.035	0.0000		3.1870	3.187	0.0000		0.4884	0.488	0.0000	
10	5D Total	0		20.2039	20.204	0.0000		8.5547	8.555	0.0000		11.0923	11.092	0.0000		3.2132	3.213	0.0000		0.5001	0.500	0.0000	
11	6D 123478	0.1		0.1930	0.193	0.0193		0.0985	0.098	0.0098		0.0954	0.095	0.0095		0.0340	0.034	0.0034		0.0118	0.012	0.0012	
12	6D 123678	0.1		0.3619	0.362	0.0362		0.1745	0.174	0.0174		0.1635	0.164	0.0164		0.0444	0.044	0.0044		0.0118	0.012	0.0012	
13	6D 123789	0.1		0.3619	0.362	0.0362		0.1801	0.180	0.0180		0.1908	0.191	0.0191		0.0836	0.084	0.0084		0.0294	0.029	0.0029	
14	6D Other	0		55.4732	55.473	0.0000		24.9296	24.930	0.0000		42.3387	42.339	0.0000		13.1348	13.135	0.0000		0.6825	0.683	0.0000	
15	6D Total	0		56.3899	56.390	0.0000		25.3827	25.383	0.0000		42.7884	42.788	0.0000		13.2968	13.297	0.0000		0.7355	0.735	0.0000	
16	7D 1234678	0.01		2.1109	2.111	0.0211		0.9286	0.929	0.0093		1.1719	1.172	0.0117		0.2194	0.219	0.0022		0.0500	0.050	0.0005	
17	7D Other	0		3.1361	3.136	0.0000		1.1538	1.154	0.0000		1.4717	1.472	0.0000		0.2769	0.277	0.0000		0.0794	0.079	0.0000	
18	7D Total	0		5.2470	5.247	0.0000		2.0824	2.082	0.0000		2.6436	2.644	0.0000		0.4963	0.496	0.0000		0.1294	0.129	0.0000	
19	8D	0.001		0.0010	0.001	0.0000		0.2026	0.203	0.0002		0.2507	0.251	0.0003		0.1515	0.152	0.0002		0.0500	0.050	0.0001	
20	4F 2378	0.1		1.7490	1.749	0.1749		0.6754	0.675	0.0675		0.8176	0.818	0.0818		0.3918	0.392	0.0392		0.1118	0.112	0.0112	
21	4F Other	0		8.0514	8.051	0.0000		3.2080	3.208	0.0000		3.6793	3.679	0.0000		1.5152	1.515	0.0000		0.5060	0.506	0.0000	
22	4F Total	0		9.8004	9.800	0.0000		3.8834	3.883	0.0000		4.4969	4.497	0.0000		1.9070	1.907	0.0000		0.6178	0.618	0.0000	
23	5F 12378	0.05	2	0.2503	0.250	0.0125	2	0.0760	0.076	0.0038	2	0.0927	0.093	0.0046	2	0.0235	0.024	0.0012	2	0.0118	0.012	0.0006	
24	5F 23478	0.5		0.7237	0.724	0.3619	2	0.2026	0.203	0.1013	2	0.2453	0.245	0.1226	2	0.0967	0.097	0.0483	2	0.0206	0.021	0.0103	
25	5F Other	0		4.2730	4.273	0.0000		0.7907	0.791	0.0000		0.9702	0.970	0.0000		0.5590	0.559	0.0000		0.1412	0.141	0.0000	
26	5F Total	0		5.2470	5.247	0.0000		1.0693	1.069	0.0000		1.3082	1.308	0.0000		0.6792	0.679	0.0000		0.1736	0.174	0.0000	
27	6F 123478	0.1	2	0.3317	0.332	0.0332	2	0.1013	0.101	0.0101	2	0.1526	0.153	0.0153	2	0.0627	0.063	0.0063	2	0.0147	0.015	0.0015	
28	6F 123678	0.1		0.1508	0.151	0.0151		0.0366	0.037	0.0037		0.0463	0.046	0.0046		0.0183	0.018	0.0018	2	0.0059	0.006	0.0006	
29	6F 123789	0.1	2	0.0513	0.051	0.0051	1	0.0281	0.014	0.0014	2	0.0191	0.019	0.0019	2	0.0078	0.008	0.0008	1	0.0018	0.001	0.0001	
30	6F 234678	0.1	2	0.3317	0.332	0.0332	2	0.0675	0.068	0.0068	2	0.1063	0.106	0.0106	2	0.0522	0.052	0.0052	2	0.0206	0.021	0.0021	
31	6F Other	0		0.9137	0.914	0.0000		0.1604	0.160	0.0000		0.2208	0.221	0.0000		0.0340	0.034	0.0000		0.0041	0.004	0.0000	
32	6F Total	0		1.7791	1.779	0.0000		0.3940	0.394	0.0000		0.5451	0.545	0.0000		0.1750	0.175	0.0000		0.0471	0.047	0.0000	
33	7F 1234678	0.01		0.1116	0.112	0.0011		0.0422	0.042	0.0004		0.0409	0.041	0.0004		0.0287	0.029	0.0003		0.0177	0.018	0.0002	
34	7F 1234789	0.01		0.0573	0.057	0.0006	2	0.0084	0.008	0.0001	2	0.0164	0.016	0.0002	2	0.0078	0.008	0.0001	1	0.0006	0.000	0.0000	
35	7F Other	0		0.0151	0.015	0.0000		0.0056	0.006	0.0000		-0.0055	-0.005	0.0000		0.0000	0.000	0.0000		0.0053	0.005	0.0000	
36	7F Total	0		0.1839	0.184	0.0000		0.0563	0.056	0.0000		0.0518	0.052	0.0000		0.0366	0.037	0.0000		0.0235	0.024	0.0000	
37	8F	0.001	2	0.0392	0.039	0.0000	2	0.0141	0.014	0.0000	2	0.0273	0.027	0.0000	2	0.0131	0.013	0.0000	2	0.0088	0.009	0.0000	
38	Total PCDD/PCDF			118.4309	118.432			49.6313	49.631			75.2504	75.250			28.9812	28.981			4.0510	4.051		
39	TEQ		0.0	0.8333		0.8333	0.9	0.3062		0.3048	0.0	0.3467		0.3467	0.0	0.1557		0.1557	0.3	0.0589		0.0588	

	C	D	E	F	G	H	I	J	K	L
1	404C9	I-TEF			R1				R2	
2		Wght Fact		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
4										
5	4D 2378	1	1	0.061	0.031	0.0305		0.041	0.041	0.0410
6	4D Other	0		14.509	14.509	0.0000		10.565	10.565	0.0000
7	4D Total	0		14.57	14.570	0.0000		10.606	10.606	0.0000
8	5D 12378	0.5		0.124	0.124	0.0620		0.15	0.150	0.0750
9	5D Other	0		18.333	18.333	0.0000		13.469	13.469	0.0000
10	5D Total	0		18.457	18.457	0.0000		13.619	13.619	0.0000
11	6D 123478	0.1		0.136	0.136	0.0136		0.141	0.141	0.0141
12	6D 123678	0.1		0.189	0.189	0.0189		0.264	0.264	0.0264
13	6D 123789	0.1		0.265	0.265	0.0265		0.148	0.148	0.0148
14	6D Other	0		38.074	38.074	0.0000		21.999	21.999	0.0000
15	6D Total	0		38.664	38.664	0.0000		22.552	22.552	0.0000
16	7D 1234678	0.01		0.936	0.936	0.0094		0.758	0.758	0.0076
17	7D Other	0		1.404	1.404	0.0000		1.532	1.532	0.0000
18	7D Total	0		2.34	2.340	0.0000		2.29	2.290	0.0000
19	8D	0.001	2	0.203	0.203	0.0002		0.211	0.211	0.0002
20	4F 2378	0.1		0.203	0.203	0.0203		0.388	0.388	0.0388
21	4F Other	0		9.707	9.707	0.0000		14.024	14.024	0.0000
22	4F Total	0		9.91	9.910	0.0000		14.412	14.412	0.0000
23	5F 12378	0.05	2	0.165	0.165	0.0083		0.335	0.335	0.0168
24	5F 23478	0.5		0.427	0.427	0.2135		0.687	0.687	0.3435
25	5F Other	0		2.013	2.013	0.0000		4.651	4.651	0.0000
26	5F Total	0		2.605	2.605	0.0000		5.673	5.673	0.0000
27	6F 123478	0.1		0.173	0.173	0.0173		0.493	0.493	0.0493
28	6F 123678	0.1	2	0.073	0.073	0.0073		0.211	0.211	0.0211
29	6F 123789	0.1	1	0.061	0.031	0.0031		0.028	0.028	0.0028
30	6F 234678	0.1		0.134	0.134	0.0134		0.194	0.194	0.0194
31	6F Other	0		0.353	0.353	0.0000		1.435	1.435	0.0000
32	6F Total	0		0.794	0.794	0.0000		2.361	2.361	0.0000
33	7F 1234678	0.01		0.088	0.088	0.0009		0.211	0.211	0.0021
34	7F 1234789	0.01	1	0.102	0.051	0.0005		0.085	0.085	0.0009
35	7F Other	0		-0.102	-0.102	0.0000		0.074	0.074	0.0000
36	7F Total	0		0.088	0.088	0.0000		0.37	0.370	0.0000
37	8F	0.001	1	0.142	0.071	0.0001	2	0.048	0.048	0.0000
38	Total PCDD/PCDF			87.773	87.702			72.142	72.142	
39	TEQ		14.2	0.4798		0.4456	0.0	0.6737		0.6737

	C	D	E	F	G	H	I	J	K	L
1	404B1	I-TEF			R1				R2	
2		Wght Fact		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
4										
5	4D 2378	1		0.025	0.025	0.0250		0.035	0.035	0.0350
6	4D Other	0		1.184	1.184	0.0000		1.029	1.029	0.0000
7	4D Total	0		1.209	1.209	0.0000		1.064	1.064	0.0000
8	5D 12378	0.5		0.028	0.028	0.0140	1	0.041	0.021	0.0103
9	5D Other	0		0.822	0.822	0.0000		1.33	1.330	0.0000
10	5D Total	0		0.85	0.850	0.0000		1.371	1.371	0.0000
11	6D 123478	0.1		0.017	0.017	0.0017	1	0.061	0.031	0.0031
12	6D 123678	0.1		0.032	0.032	0.0032	2	0.035	0.035	0.0035
13	6D 123789	0.1		0.019	0.019	0.0019	1	0.061	0.031	0.0031
14	6D Other	0		2.237	2.237	0.0000		2.278	2.278	0.0000
15	6D Total	0		2.305	2.305	0.0000		2.435	2.435	0.0000
16	7D 1234678	0.01		0.185	0.185	0.0019	2	0.131	0.131	0.0013
17	7D Other	0		0.382	0.382	0.0000		0.36	0.360	0.0000
18	7D Total	0		0.567	0.567	0.0000	2	0.491	0.491	0.0000
19	8D	0.001		0.085	0.085	0.0001		0.127	0.127	0.0001
20	4F 2378	0.1		0.102	0.102	0.0102		0.065	0.065	0.0065
21	4F Other	0		3.205	3.205	0.0000		1.817	1.817	0.0000
22	4F Total	0		3.307	3.307	0.0000		1.882	1.882	0.0000
23	5F 12378	0.05		0.038	0.038	0.0019		0.045	0.045	0.0023
24	5F 23478	0.5		0.119	0.119	0.0595	2	0.049	0.049	0.0245
25	5F Other	0		0.75	0.750	0.0000		0.315	0.315	0.0000
26	5F Total	0		0.907	0.907	0.0000		0.409	0.409	0.0000
27	6F 123478	0.1		0.049	0.049	0.0049		0.055	0.055	0.0055
28	6F 123678	0.1		0.026	0.026	0.0026		0.031	0.031	0.0031
29	6F 123789	0.1		0.008	0.008	0.0008	1	0.041	0.021	0.0021
30	6F 234678	0.1		0.032	0.032	0.0032		0.047	0.047	0.0047
31	6F Other	0		0.187	0.187	0.0000		-0.014	-0.014	0.0000
32	6F Total	0		0.302	0.302	0.0000		0.16	0.160	0.0000
33	7F 1234678	0.01		0.026	0.026	0.0003		0.035	0.035	0.0004
34	7F 1234789	0.01		0.011	0.011	0.0001	1	0.061	0.031	0.0003
35	7F Other	0		0.027	0.027	0.0000		-0.061	-0.061	0.0000
36	7F Total	0		0.064	0.064	0.0000		0.035	0.035	0.0000
37	8F	0.001	2	0.009	0.009	0.0000	1	0.082	0.041	0.0000
38	Total PCDD/PCDF			9.605	9.605			8.056	8.015	
39	TEQ		0.0	0.1312		0.1312	30.2	0.1243		0.1056