	B	C
1	**Source Description**	
2		
3	Phase I ID No.	323
4	EPA ID No.	KSD007148034
5	Facility Name	LAFARGE
6	Facility Location	
7	City	FREDONIA
8	State	KS
9	Unit ID Name/No.	Kiln No. 2
10	Other Sister Facilities	None
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	Soot Blowing	
17	APCS Detailed Acronym	ESP
18	APCS General Class	ESP
19	APCS Characteristics	78,000 ft2 plate area, 3 fields, SCA = 400
20	Hazardous Wastes	Liq, sludge
21	Haz Waste Description	
22	Supplemental Fuel	Coal, natural gas
23		COAL/COKE/NATURAL GAS
24		
25	Stack Characteristics	
26	Diameter (ft)	12.0
27	Height (ft)	250.0
28	Gas Velocity (ft/sec)	6.0
29	Gas Temperature (°F)	395.4
30		
31	Permitting Status	
32	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**323C1**	
4		
5	Report Name/Date	Lafarge Corp Fredonia Plant Compliance Test, Certification Package, prepared by Radian, August 1992
6	Report Prepare	Radian
7	Testing Firm	Radian
8	Cond Descr	CoC, MAX PROD,MAX HW FEED,MAX COMB TEMP,MAX ESP TEMP
9	Testing Dates	May 21, 1992
10	Cond Dates	May-92
11		
12	**323C2**	
13		
14	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
15	Report Prepare	Lafarge
16	Testing Firm	
17	Cond Descr	?
18	Testing Dates	June 23, 1994
19	Cond Dates	Jun-94
20		
21	**323C3**	
22		
23	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
24	Report Prepare	Lafarge
25	Testing Firm	
26	Cond Descr	?
27	Testing Dates	June 24, 1994
28	Cond Dates	Jun-94
29		
30	**323C4**	
31		
32	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
33	Report Prepare	Lafarge
34	Testing Firm	
35	Cond Descr	?
36	Testing Dates	June 25, 1994
37	Cond Dates	Jun-94
38		
39	**323C5**	
40		
41	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
42	Report Prepare	Lafarge
43	Testing Firm	
44	Cond Descr	?
45	Testing Dates	June 26, 1994
46	Cond Dates	Jun-94
47		
48	**323C6**	
49		

	B	C
50	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
51	Report Prepare	Lafarge
52	Testing Firm	
53	Cond Descr	LOW APCD TEMP
54	Testing Dates	July 20, 1994
55	Cond Dates	Jul-94
56		
57	**323C7**	
58		
59	Report Name/Date	PCDD/PCDF Emission Testing Report - Fredonia Kansas Cement Plant, report from Gary Elliott (Lafarge) to Frank Behan (OSW), sent January 5, 1995; Fredonia PCDD/PCDF Report, Hans Schrama, dated November 1994
60	Report Prepare	Lafarge
61	Testing Firm	
62	Cond Descr	HIGH APCD TEMP
63	Testing Dates	July 21-22, 1994
64	Cond Dates	Jul-94
65		
66	**323C8**	
67		
68	Report Name/Date	Lafarge Corp, Fredonia, Kansas, Certification of Compliance, Revised Operating Conditions, prepared by Radian, September 1994
69	Report Prepare	
70	Testing Firm	
71	Cond Descr	CoC, MAX RAW MIX FEED RATE AND ESP INLET TEMP, MIN ESP POWER
72	Testing Dates	June 27-28, 1994
73	Cond Dates	Jun-94
74		
75	**323C9**	
76		
77	Report Name/Date	Pilot Combustion Minimization and Public Involvement Enhancement Program (PCMPIE) Test Report, prepared by Radian, June 1996
78	Report Prepare	Radian
79	Testing Firm	Radian
80	Cond Descr	HIGH CHLORINE, HIGH ESP INLET TEMPERATURE
81	Testing Dates	February 12-22, 1995
82	Cond Dates	Feb-95
83		
84	**323B1**	
85		
86	Report Name/Date	Pilot Combustion Minimization and Public Involvement Enhancement Program (PCMPIE) Test Report, prepared by Radian, June 1996
87	Report Prepare	Radian
88	Testing Firm	Radian
89	Cond Descr	Baseline, coal only, LOW CHLORINE, HIGH ESP INLET TEMPERATURE

	B	C
90	Testing Dates	February 23-25, 1995
91	Cond Dates	Feb-95
92		
93	**323B2**	
94		
95	Report Name/Date	Pilot Combustion Minimization and Public Involvement Enhancement Program (PCMPIE) Test Report, prepared by Radian, June 1996
96	Report Prepare	Radian
97	Testing Firm	Radian
98	Cond Descr	HIGH CHLORINE, LOW ESP INLET TEMPERATURE
99	Testing Dates	April 19-20, 1995
100	Cond Dates	Apr-95
101		
102	**323B3**	
103		
104	Report Name/Date	Lafarge Corporation, Fredonia, Kansas Plant, November 1995 Recertification of Compliance, prepared by Radian, November 1995
105	Report Prepare	
106	Testing Firm	
107	Cond Descr	CoC, MAX OPERATING CONDITIONS
108	Testing Dates	September 19-23, 1995
109	Cond Dates	Sep-95
110		
111	**323B4**	
112		
113	Report Name/Date	Lafarge Corporation, Fredonia, Kansas Plant, November 1995 Recertification of Compliance, prepared by Radian, November 1995
114	Report Prepare	
115	Testing Firm	
116	Cond Descr	CoC, OPERATING CONDITIONS AT MINIMUM TEMPERATURE
117	Testing Dates	September 20-21, 1995
118	Cond Dates	Sep-95
119		
120	**323B5**	
121		
122	Report Name/Date	Lafarge Corporation, Fredonia, Kansas Plant, November 1995 Recertification of Compliance, prepared by Radian, November 1995
123	Report Prepare	
124	Testing Firm	
125	Cond Descr	CoC, OP COND AT MIN TEMP WHILE FEEDING AIR CONVEYED CANISTERS
126	Testing Dates	September 24, 1995
127	Cond Dates	Sep-95

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	**Stack Gas Emissions**																		
2																			
3	**323C1**					R1		R2		R3		R4		R5		R6		R7	
4																			
5	PM	E1	gr/dscf	y		0.03300		0.02800		0.00500									
6	CO (MHRA)	E1	ppmv	y		621.0		573.0		878.0		384.0		125.0		1060.0		1200.0	
7	CO (RA)	E1	ppmv	y		364.0		244.0		406.0		180.0		86.0		682.0			
8	HC (MHRA)	E1	ppmv	y		10.0		10.6		10.5		8.6		10.0		13.4		10.5	
9	HC (RA)	E1	ppmv	y		2.6		9.8		9.1		6.5		9.3		11.5			
10	HCl	E1	ppmv	y		108.58		86.19		27.36									
11	Cl2	E1	ppmv	y		0.09		0.23		0.04									
12	Total Chlorine	E1	ppmv	y		108.76		86.65		27.44									
13																			
14	Arsenic	E2	ug/dscm	y								10.8		12.2		41.0			
15	Beryllium	E2	ug/dscm	y								1.0		1.0		1.0			
16	Cadmium	E2	ug/dscm	y								22.6		44.6		98.0			
17	Chromium	E2	ug/dscm	y								22.6		30.4		54.0			
18	Chromium (Hex)	E3	ug/dscm	y												0.1		0.21	
19	Lead	E2	ug/dscm	y								815.8		668.6		1219.8			
20	SVM	E2	ug/dscm	y								838.4		713.2		1317.8			
21	LVM	E2	ug/dscm	y								34.4		43.6		96.0			
22																			
23	Sampling Train	Halogens	E1																
24	Stack Gas Flowrate		dscfm			53679		52014		55548									
25	O2		%			5.6		5.6		5.6									
26	Moisture		%			38.17		38.04		32.75									
27	Temperature		°F			443		446		478									
28																			
29	Sampling Train	Metals	E2																
30	Stack Gas Flowrate		dscfm									54432		52815		53511			
31	O2		%									5.6		5.6		5.6			
32	Moisture		%									37.08		37.1		37.11			
33	Temperature		°F									462		467		454			
34																			
35	Sampling Train	Cr Hex	E3																
36	Stack Gas Flowrate		dscfm													51706		50753	
37	O2		%													5.6		5.6	
38	Moisture		%													37.14		37.13	
39	Temperature		°F													444		447	
40																			
41	Sampling Train	Dioxin & F	E4																
42	Stack Gas Flowrate		dscfm					48779		48961		51187							
43	O2		%					5.6		5.6		5.6							
44	Moisture		%					37.63		37.12		36.51							
45	Temperature		°F					449		468		436							
46																			
47	**323C2**					R1		R2		R3		R4		R5		R6		R7	
48																			
49	Sampling Train	Dioxin & F	E1																
50	Stack Gas Flowrate		dscfm			53176		50200											
51	O2		%			1.45		1.49											
52	Moisture		%																
53	Temperature		°F																
54																			
55	**323C3**					R1		R2		R3		R4		R5		R6		R7	
56																			
57	Sampling Train	Dioxin & F	E1																
58	Stack Gas Flowrate		dscfm			51879		50538											
59	O2		%			1.3		1.52											
60	Moisture		%																
61	Temperature		°F																
62																			
63	**323C4**					R1		R2		R3		R4		R5		R6		R7	
64																			
65	Sampling Train	Dioxin & F	E1																
66	Stack Gas Flowrate		dscfm			54315		57008											
67	O2		%			1.43		1.24											
68	Moisture		%																
69	Temperature		°F																
70																			
71	**323C5**					R1		R2		R3		R4		R5		R6		R7	

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2	
3	Cond Avg
4	
5	0.02200
6	690.7
7	338.0
8	10.4
9	7.2
10	74.0
11	0.1
12	74.3
13	
14	21.3
15	1.0
16	55.1
17	35.7
18	0.1
19	901.4
20	956.5
21	58.0
22	
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47	Cond Avg
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55	Cond Avg
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63	Cond Avg
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71	Cond Avg

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
72																			
73	Sampling Train	Dioxin & F	E1																
74	Stack Gas Flowrate		dscfm			63130		56164											
75	O2		%			0.67		1.17											
76	Moisture		%																
77	Temperature		°F																
78																			
79	**323C6**					R1		R2		R3		R4		R5		R6		R7	
80																			
81	Sampling Train	Dioxin & F	E1																
82	Stack Gas Flowrate		dscfm			55280		57554											
83	O2		%			1.18		1.47											
84	Moisture		%																
85	Temperature		°F																
86																			
87	**323C7**					R1		R2		R3		R4		R5		R6		R7	
88																			
89	Sampling Train	Dioxin & F	E1																
90	Stack Gas Flowrate		dscfm			45652		47741											
91	O2		%			1.38		1.37											
92	Moisture		%																
93	Temperature		°F																
94																			
95	**323C8**					R1		R2		R3		R4		R5		R6		R7	
96																			
97	PM	E1	gr/dscf	y		0.01600		0.01600		0.01100									
98	CO (MHRA)	E1	ppmv	y		50.20		53.00		53.80									
99	CO (RA)	E1	ppmv	y		43.70		52.20		53.00									
100	HC (MHRA)	E1	ppmv	y		7.30		10.50		10.10									
101	HC (RA)	E1	ppmv	y		6.50		8.80		9.40									
102																			
103	Sampling Train	Particulate	E1																
104	Stack Gas Flowrate		dscfm			47546		45066		42721									
105	O2		%			8.6		9.1		9.1									
106	Moisture		%			38.299		35.065		40.136									
107	Temperature		°F			390.375		396.5		405									
108																			
109	**323C9**					R1		R2		R3		R4		R5		R6		R7	
110																			
111	PM	E1	gr/dscf	y		0.0063		0.0036		0.0047									
112	CO (RA)	E1	ppmv	y		41.78		63.63		40.78									
113	HC (RA)	E1	ppmv	y		5.24		6.02		5.30									
114	HCl	E1	ppmv	y		34.94		39.30		45.60									
115	Cl2	E1	ppmv	y		0.21		0.10		21.35									
116	Total Chlorine	E1	ppmv	y		35.36		39.50		88.30									
117	Antimony	E1	ug/dscm	y	nd	41.60	nd	37.00		21.40									
118	Arsenic	E1	ug/dscm	y	nd	1.16		0.57		0.58									
119	Barium	E1	ug/dscm	y		28.20		31.20		42.30									
120	Beryllium	E1	ug/dscm	y		0.23		0.32		0.15									
121	Cadmium	E1	ug/dscm	y		1.35		1.68		3.45									
122	Chromium	E1	ug/dscm	y		2.55		4.51		1.63									
123	Copper	E1	ug/dscm	y		7.80		8.43		7.42									
124	Iron	E1	ug/dscm	y		229.00		208.00		214.00									
125	Lead	E1	ug/dscm	y		28.50		32.00		36.20									
126	Mercury	E1	ug/dscm	y		39.50		35.60		38.40									
127	Nickel	E1	ug/dscm	y	nd	8.07		4.15		4.94									
128	Selenium	E1	ug/dscm	y		1.31		4.42		1.87									
129	Silver	E1	ug/dscm	y		1.69		2.80		2.79									
130	Thallium	E1	ug/dscm	y		0.22		0.23		0.24									
131	Zinc	E1	ug/dscm	y		44.60		255.00		314									
132	SVM	E1	ug/dscm	y		29.85		33.68		39.65									
133	LVM	E1	ug/dscm	y	29	3.94	0	5.40	0	2.35									9.9
134																			
135	Sampling Train	Metals	E1																
136	Stack Gas Flowrate		dscfm			58194		56039		58974									
137	O2		%			8.2		8.8		8.25									
138	Moisture		%																
139	Temperature		°F																
140																			
141	**323B1**					R1		R2		R3		R4		R5		R6		R7	
142																			

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79	Cond Avg
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84	
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86	
87	Cond Avg
88	
89	
90	
91	
92	
93	
94	
95	Cond Avg
96	
97	0.01433
98	52.33
99	49.63
100	9.30
101	8.23
102	
103	
104	
105	
106	
107	
108	
109	Cond Avg
110	
111	0.00486
112	48.73
113	5.52
114	39.95
115	7.22
116	54.39
117	33.33
118	0.77
119	33.90
120	0.23
121	2.16
122	2.90
123	7.88
124	217.00
125	32.23
126	37.83
127	5.72
128	2.53
129	2.43
130	0.23
131	204.53
132	34.39
133	3.90
134	
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140	
141	Cond Avg
142	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
143	PM	E1	gr/dscf	y		0.0114		0.0117		0.0130									
144	CO (RA)	E1	ppmv	y		43.15		40.31		25.46									
145	HC (RA)	E1	ppmv	y		6.18		6.04		5.16									
146	HCl	E1	ppmv	y		118.90		72.75		59.77									
147	Cl2	E1	ppmv	y		54.31		37.94		51.27									
148	Total Chlorine	E1	ppmv	y		227.52		148.63		162.31									
149	Antimony	E1	ug/dscm	y		21.00			nd	38.70									
150	Arsenic	E1	ug/dscm	y		0.64				1.31									
151	Barium	E1	ug/dscm	y		15.50				14.70									
152	Beryllium	E1	ug/dscm	y		0.19				0.21									
153	Cadmium	E1	ug/dscm	y		2.43				2.93									
154	Chromium	E1	ug/dscm	y		1.90				7.30									
155	Copper	E1	ug/dscm	y		4.57				8.70									
156	Iron	E1	ug/dscm	y		443.00				4794.00									
157	Lead	E1	ug/dscm	y		29.70				37.90									
158	Mercury	E1	ug/dscm	y		19.30				11.30									
159	Nickel	E1	ug/dscm	y		4.02				6.25									
160	Selenium	E1	ug/dscm	y		3.85				3.19									
161	Silver	E1	ug/dscm	y		1.51			nd	2.92									
162	Thallium	E1	ug/dscm	y		0.28				0.41									
163	Zinc	E1	ug/dscm	y		160.00				58.80									
164	SVM	E1	ug/dscm	y		32.13				40.83									
165	LVM	E1	ug/dscm	y		2.73				8.82									
166																			
167	Sampling Train	Metals	E1																
168	Stack Gas Flowrate		dscfm			64532		63776		60919									
169	O2		%			8.75		9.7		9.65									
170	Moisture		%			0		0		0									
171	Temperature		°F			0		0		0									
172																			
173	**323B2**					R1		R2		R3		R4		R5		R6		R7	
174																			
175	PM	E1	gr/dscf	y		0.01867				0.02188									
176	CO (RA)	E1	ppmv	y		157.46		46.86		246.14									
177	HC (RA)	E1	ppmv	y		6.48		5.73		7.37									
178	HCl	E1	ppmv	y		93.48		62.46		94.12									
179	Cl2	E1	ppmv	y		0.13		1.26		0.0005									
180	Total Chlorine	E1	ppmv	y		93.74		64.98		94.12									
181	Antimony	E1	ug/dscm	y	nd	3.57	nd	3.29		9.65									
182	Arsenic	E1	ug/dscm	y		0.98		0.31		0.95									
183	Barium	E1	ug/dscm	y		70.90		64.70		89.10									
184	Beryllium	E1	ug/dscm	y	nd	0.02	nd	0.02		0.02									
185	Cadmium	E1	ug/dscm	y		2.06		1.25		2.22									
186	Chromium	E1	ug/dscm	y		3.34		2.00		5.35									
187	Copper	E1	ug/dscm	y		12.10		7.73		12.50									
188	Iron	E1	ug/dscm	y		6138.00		260.00		6154.00									
189	Lead	E1	ug/dscm	y		258.00		51.10		152.00									
190	Mercury	E1	ug/dscm	y		62.90		67.40		57.60									
191	Nickel	E1	ug/dscm	y		4.68		7.05		10.90									
192	Selenium	E1	ug/dscm	y		5.32		0.82		7.25									
193	Silver	E1	ug/dscm	y		0.58	nd	0.25		0.79									
194	Thallium	E1	ug/dscm	y		0.22		0.10		0.19									
195	Zinc	E1	ug/dscm	y		55.10		40.00		53.40									
196	SVM	E1	ug/dscm	y		260.06		52.35		154.22									
197	LVM	E1	ug/dscm	y	0	4.34	1	2.33	0	6.33									0.3
198																			
199	Sampling Train	Halogens	E1																
200	Stack Gas Flowrate		dscfm			50799		56471		55990									
201	O2		%			9		9		8.2									
202	Moisture		%			0		0		0									
203	Temperature		°F			0		0		0									
204																			
205	**323B3**					R1		R2		R3		R4		R5		R6		R7	
206																			
207	PM	E1	gr/dscf	y		0.02900		0.02900		0.02000									
208	CO (MHRA)	E1	ppmv	y		546.00		215.00		141.00									
209	CO (RA)	E1	ppmv	y		216.00		178.00		115.00									
210	HC (MHRA)	E1	ppmv	y		3.60		3.40		3.20									
211	HC (RA)	E1	ppmv	y		3.50		3.30		3.10									
212	HCl	E1	ppmv	y		36.24		30.89		24.48									
213	Cl2	E1	ppmv	y		0.00		0.00		0.00									

	U
143	0.0120
144	36.31
145	5.79
146	83.81
147	47.84
148	179.49
149	29.85
150	0.98
151	15.10
152	0.20
153	2.68
154	4.60
155	6.64
156	2618.50
157	33.80
158	15.30
159	5.14
160	3.52
161	2.22
162	0.35
163	109.40
164	36.48
165	5.77
166	
167	
168	
169	
170	
171	
172	
173	Cond Avg
174	
175	0.02027
176	150.15
177	6.53
178	83.35
179	0.46
180	84.28
181	5.50
182	0.75
183	74.90
184	0.02
185	1.84
186	3.56
187	10.78
188	4184.00
189	153.70
190	62.63
191	7.54
192	4.46
193	0.54
194	0.17
195	49.50
196	155.54
197	4.33
198	
199	
200	
201	
202	
203	
204	
205	Cond Avg
206	
207	0.02600
208	300.67
209	169.67
210	3.40
211	3.30
212	30.54
213	0.00

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
214	Total Chlorine	E1	ppmv	y		36.24		30.89		24.48									
215	Antimony	E2	ug/dscm	y		1.34	nd	2.11	nd	2.85									
216	Arsenic	E2	ug/dscm	y		1.06		1.79		1.11									
217	Barium	E2	ug/dscm	y		72.90		108.00		71.50									
218	Beryllium	E2	ug/dscm	y		0.42		0.67		0.22									
219	Cadmium	E2	ug/dscm	y		43.33		48.72		33.11									
220	Chromium	E2	ug/dscm	y		4.02		6.38		3.44									
221	Lead	E2	ug/dscm	y		443.88		470.41		333.35									
222	Mercury	E2	ug/dscm	y		30.40		40.40		36.40									
223	Nickel	E2	ug/dscm	y		5.93		6.20		2.98									
224	Selenium	E2	ug/dscm	y		33.30		70.90		91.90									
225	Silver	E2	ug/dscm	y		0.28		0.91		0.31									
226	Thallium	E2	ug/dscm	y	nd	0.45		0.56	nd	0.41									
227	SVM	E2	ug/dscm	y		487.21		519.13		366.47									
228	LVM	E2	ug/dscm	y		5.50		8.85		4.78									
229																			
230	Sampling Train	Particulate	E1																
231	Stack Gas Flowrate		dscfm			58588		58170		56301									
232	O2		%			7.6		7.5		7.4									
233	Moisture		%			33.8		33.4		34.2									
234	Temperature		°F			385.6		399.54		396.21									
235																			
236	Sampling Train	Metals	E2																
237	Stack Gas Flowrate		dscfm			58184		54495		54525									
238	O2		%			7.6		7.5		7.4									
239	Moisture		%			32.5		33.6		33.9									
240	Temperature		°F			391.8		401.54		400.92									
241																			
242	Sampling Train	Dioxin & F	E3																
243	Stack Gas Flowrate		dscfm									54078		57788		55889			
244	O2		%									7.9		7.6		7.6			
245	Moisture		%									34.9		35		32.8			
246	Temperature		°F									367.96		394.48		404.6			
247																			
248	**323B4**					R1		R2		R3		R4		R5		R6		R7	
249																			
250	CO (MHRA)	E1	ppmv	y		817.0		660.0		1409.0									
251	CO (RA)	E1	ppmv	y		676.0		407.0		734.0									
252	HC (MHRA)	E1	ppmv	y		3.0		3.5		3.4									
253	HC (RA)	E1	ppmv	y		2.9		2.8		3.0									
254																			
255	Sampling Train	SVOC	E1																
256	Stack Gas Flowrate		dscfm			51022		50928		54947									
257	O2		%			7.1		7.9		7.9									
258	Moisture		%			36.4		35.3		35.3									
259	Temperature		°F			365.11		363.63		359.35									
260																			
261	Sampling Train	Dioxin & F	E2																
262	Stack Gas Flowrate		dscfm									51154		50779					
263	O2		%									7.1		8					
264	Moisture		%									35.4		34.4					
265	Temperature		°F									364.37		359.88					
266																			
267	Sampling Train	Aldehydes	E3																
268	Stack Gas Flowrate		dscfm									51451		51638					
269	O2		%									7.1		7.9					
270	Moisture		%									34.9		34.6					
271	Temperature		°F									370.96		364.21					
272																			
273	**323B5**					R1		R2		R3		R4		R5		R6		R7	
274																			
275	CO (MHRA)	E1	ppmv			179.0		195.0		308.0									
276	CO (RA)	E1	ppmv			127.0		138.0		232.0									
277	HC (MHRA)	E1	ppmv			2.4		3.6		4.2									
278	HC (RA)	E1	ppmv			2.3		3.3		3.6									
279																			
280	Sampling Train	SVOC	E1																
281	Stack Gas Flowrate		dscfm			55226		51890		51650									
282	O2		%			8		7.7		8									
283	Moisture		%			33.2		33.4		35.6									
284	Temperature		°F			369.46		373.79		363.33									

	U
214	30.54
215	2.10
216	1.32
217	84.13
218	0.44
219	41.72
220	4.61
221	415.88
222	35.73
223	5.04
224	65.37
225	0.50
226	0.47
227	457.60
228	6.37
229	
230	
231	
232	
233	
234	
235	
236	
237	
238	
239	
240	
241	
242	
243	
244	
245	
246	
247	
248	Cond Avg
249	
250	962.0
251	605.7
252	3.3
253	2.9
254	
255	
256	
257	
258	
259	
260	
261	
262	
263	
264	
265	
266	
267	
268	
269	
270	
271	
272	
273	Cond Avg
274	
275	227.3
276	165.7
277	3.4
278	3.1
279	
280	
281	
282	
283	
284	

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	**Feedrate 2**																					
2																						
3	**323C1**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
4																						
5	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
6	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Solid HW		Solid HW		Solid HW	
7	Feed Class 2				RM		RM		RM		RM		RM		RM							
8	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Air Conveyed Fu		Air Conveyed Fu		Air Conveyed F	
9	Feed Rate		lb/hr		152400		153200		154800		162000		162000		162000		1200		600		1000	
10	Heating Value		Btu/lb														6500		6800		7000	
11	Chlorine		lb/hr	nd	15.24	nd	15.32	nd	15.48	nd	16.2	nd	16.2	nd	16.2		4.45		2.65		3.79	
12	Antimony		lb/hr							nd	1.134	nd	1.134	nd	1.134							nd
13	Arsenic		lb/hr							nd	0.6318	nd	0.5994	nd	0.1458							
14	Barium		lb/hr								7.533		8.1		8.262							
15	Beryllium		lb/hr							nd	0.0324	nd	0.3078	nd	0.324							
16	Cadmium		lb/hr							nd	0.0324	nd	0.0486	nd	0.0648							
17	Chromium		lb/hr								2.106		1.944		2.268							
18	Lead		lb/hr								1.1178		1.1988		0.8424							
19	Mercury		lb/hr							nd	0.00616	nd	0.00502	nd	0.00518							
20	Silver		lb/hr							nd	3.402	nd	3.24	nd	3.402							nd
21	Thallium		lb/hr							nd	0.81	nd	0.81	nd	0.81							
22																						
23	Stack Gas Flowrate		dscfm		53679		52014		55548		54432		52815		53511		53679		52014		55548	
24	Oxygen		%		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6	
25																						
26	Thermal Feedrate		MMBtu/hr														7.8		4.08		7	
27	Est Total Firing Rate		MMBtu/hr																			
28																						
29	Chlorine		ug/dscm	100	69009	100	71592	100	67737	100	72341	100	74556	100	73586		20165		12363		16593	
30	Antimony		ug/dscm							100	5064	100	5219	100	5151							100
31	Arsenic		ug/dscm							100	2821	100	2759	100	662							
32	Barium		ug/dscm								33639		37278		37529							
33	Beryllium		ug/dscm							100	145	100	1417	100	1472							
34	Cadmium		ug/dscm							100	145	100	224	100	294							
35	Chromium		ug/dscm								9404		8947		10302							
36	Lead		ug/dscm								4992		5517		3826							
37	Mercury		ug/dscm							100	27	100	23	100	24							
38	Silver		ug/dscm							100	15192	100	14911	100	15453							100
39	Thallium		ug/dscm							100	3617	100	3728	100	3679							
40	SVM		ug/dscm							2.8	5136	3.9	5741	7.1	4121							
41	LVM		ug/dscm							24	12370	32	13122	17	12436							
42																						
43	**323C8**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
44																						
45	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
46	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
47	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
48	Feed Rate		lb/hr																			
49	Heating Value		Btu/lb																			
50																						
51	**323C9**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
52																						
53	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
54	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
55	Feed Class 2				RM		RM		RM		RM		RM		RM							
56	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
57	Feed Rate		lb/hr		146200		146400		145800													
58	Heating Value		Btu/lb																			
59	Thermal Feedrate		MMBtu/hr																			
60	Chlorine		lb/hr		8.8743		7.2673		21.6017													

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1	**Feedrate 2**																						
2																							
3	**323C1**	R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2	
4																							
5	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3		F4		F4	
6	Feed Class	Solid HW		Solid HW		Solid HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Spike		Spike	
7	Feed Class 2																			Spike		Spike	
8	Feedstream Description	Air Conveyed		Air Conveyed I		Air Conveyed I		Liq Waste		Liq Waste		Liq Waste		Liq Waste		Liq Waste		Liq Waste		Spike		Spike	
9	Feed Rate	1000		600		1000		15800		15400		16200		16200		16200		15800					
10	Heating Value	7000		6900		7500		13500		11600		12000		12050		13200		12100					
11	Chlorine	2.56		2.29		3.51		930		661		750		780		694		732					
12	Antimony	0.101	nd	0.062	nd	0.093								0.342		0.322		0.315					
13	Arsenic	0.0044		0.0026		0.0035								0.049		0.057		0.037					
14	Barium	26.68		22.05		21.38								6.680		7.253		5.996					
15	Beryllium	0.0011		0.0007		0.0011								0.0007		0.0004		0.0024					
16	Cadmium	0.0011		0.0029		0.0020								0.179		0.209		0.157					
17	Chromium	0.919		0.534		1.479								3.74		4.03		3.31					
18	Lead	2.13		0.75		2.69								12.19		13.05		9.13					
19	Mercury	8.8E-05		0.0017		0.0020								0.001		0.0016		0.0054					
20	Silver	0.020	nd	0.013	nd	0.020							nd	0.075	nd	0.071	nd	0.071					
21	Thallium	0.11	nd	0.06	nd	0.09							nd	0.342	nd	0.322	nd	0.315					
22																							
23	Stack Gas Flowrate	54432		52815		53511		53679		52014		55548		54432		52815		53511		53679		52014	
24	Oxygen	5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6	
25																							
26	Thermal Feedrate	7		4.14		7.5		213.3		178.64		194.4		195.21		213.84		191.18					
27	Est Total Firing Rate																						
28																							
29	Chlorine	11420		10552		15922		4212699		3090676		3279918		3484989		3195992		3324662					
30	Antimony	453	100	284	100	421								1526		1481		1432					
31	Arsenic	20		12		16								217		264		170					
32	Barium	119120		101460		97136								29829		33380		27238					
33	Beryllium	5		3		5								3		2		11					
34	Cadmium	5		13		9								797		964		711					
35	Chromium	4105		2455		6719								16696		18527		15021					
36	Lead	9520		3429		12217								54441		60064		41458					
37	Mercury	0		8		9								4		7		24					
38	Silver	89	100	61	100	90							100	335	100	325	100	320					
39	Thallium	482	100	284	100	421							100	1526	100	1481	100	1432					
40	SVM	9525		3443		12226								55238		61028		42169					
41	LVM	4130		2471		6740								16916		18792		15202					
42																							
43	**323C8**	R4		R5		R6		R1		R2		R3		R4		R5		R6					
44																							
45	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
46	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
47	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
48	Feed Rate																						
49	Heating Value																						
50																							
51	**323C9**	R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2	
52																							
53	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
54	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
55	Feed Class 2																			Spike		Spike	
56	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
57	Feed Rate																						
58	Heating Value																						
59	Thermal Feedrate																						
60	Chlorine																						

	B	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
1	**Feedrate 2**																						
2																							
3	**323C1**	R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1	
4																							
5	Feedstream Number	F4		F4		F4		F4														F5	
6	Feed Class	Spike		Spike		Spike		Spike														Coal	
7	Feed Class 2	Spike		Spike		Spike		Spike		HW		HW		HW		HW		HW		HW		Coal	
8	Feedstream Description	Spike		Spike		Spike		Spike														Coal	
9	Feed Rate																						
10	Heating Value																						
11	Chlorine																						
12	Antimony																						
13	Arsenic			14.11		7.39		18.81															
14	Barium																						
15	Beryllium			1.26		1.08		0.98															
16	Cadmium			2.36		2.36		2.07															
17	Chromium			23.37		17.00		27.78															
18	Lead			25.46		19.44		22.02															
19	Mercury																						
20	Silver																						
21	Thallium																						
22																							
23	Stack Gas Flowrate	55548		54432		52815		53511		53679		52014		55548		54432		52815		53511		53679	
24	Oxygen	5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6	
25																							
26	Thermal Feedrate									221		183		201		202		218		199			
27	Est Total Firing Rate																						
28																							
29	Chlorine									4232864		3103038		3296510		3496409		3206544		3340584		0	
30	Antimony														26	1752	18	1623	26	1642		0	
31	Arsenic			63005		33989		85420								236		276		186		0	
32	Barium															148949		134840		124374		0	
33	Beryllium			5621		4951		4456								8		5		16		0	
34	Cadmium			10534		10856		9413								802		977		720		0	
35	Chromium			104353		78226		126177								20802		20982		21740		0	
36	Lead			113705		89488		100040								63960		63494		53675		0	
37	Mercury															5		15		34		0	
38	Silver														100	212	100	193	100	205		0	
39	Thallium														100	1767	100	883	100	926		0	
40	SVM			124239		100344		109453								64763		64471		54395		0	
41	LVM			172979		117166		216053								21046		21263		21943		0	
42																							
43	**323C8**									R1		R2		R3		R4		R5		R6		R1	
44																							
45	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
46	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
47	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
48	Feed Rate									8695		9724		14087								5778	
49	Heating Value									11731		10283		10222								12287	
50																							
51	**323C9**	R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1	
52																							
53	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
54	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
55	Feed Class 2	Spike		Spike		Spike		Spike		HW		HW		HW		HW		HW		HW		Coal	
56	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
57	Feed Rate									13600		13600		13600									
58	Heating Value									12500		12500		12500									
59	Thermal Feedrate									170		170		170									
60	Chlorine									87.448		84.32		95.676									

	B	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
1	**Feedrate 2**																		
2																			
3	**323C1**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
4																			
5	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
6	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
7	Feed Class 2	Coal		Coal		Coal		Coal		Coal									
8	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
9	Feed Rate																		
10	Heating Value																		
11	Chlorine																		
12	Antimony																		
13	Arsenic																		
14	Barium																		
15	Beryllium																		
16	Cadmium																		
17	Chromium																		
18	Lead																		
19	Mercury																		
20	Silver																		
21	Thallium																		
22																			
23	Stack Gas Flowrate	52014		55548		54432		52815		53511		53679		52014		55548		54432	
24	Oxygen	5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6		5.6	
25																			
26	Thermal Feedrate																		
27	Est Total Firing Rate																		
28																			
29	Chlorine	0		0		0		0		0		0		0		0		0	
30	Antimony	0		0		0		0		0		0		0		0		0	
31	Arsenic	0		0		0		0		0		0		0		0		0	
32	Barium	0		0		0		0		0		0		0		0		0	
33	Beryllium	0		0		0		0		0		0		0		0		0	
34	Cadmium	0		0		0		0		0		0		0		0		0	
35	Chromium	0		0		0		0		0		0		0		0		0	
36	Lead	0		0		0		0		0		0		0		0		0	
37	Mercury	0		0		0		0		0		0		0		0		0	
38	Silver	0		0		0		0		0		0		0		0		0	
39	Thallium	0		0		0		0		0		0		0		0		0	
40	SVM	0		0		0		0		0		0		0		0		0	
41	LVM	0		0		0		0		0		0		0		0		0	
42																			
43	**323C8**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
44																			
45	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
46	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
47	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
48	Feed Rate	4638		7939															
49	Heating Value	12289		12219															
50																			
51	**323C9**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
52																			
53	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
54	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
55	Feed Class 2	Coal		Coal		Coal		Coal		Coal									
56	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
57	Feed Rate																		
58	Heating Value																		
59	Thermal Feedrate																		
60	Chlorine																		

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	DD	DE	DF	DG	DH	DI
1	**Feedrate 2**																							
2																								
3	**323C1**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
4																								
5	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
6	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
7	Feed Class 2					Total		Total		Total		Total		Total		Total		Total						
8	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
9	Feed Rate																							
10	Heating Value																							
11	Chlorine																							
12	Antimony																							
13	Arsenic																							
14	Barium																							
15	Beryllium																							
16	Cadmium																							
17	Chromium																							
18	Lead																							
19	Mercury																							
20	Silver																							
21	Thallium																							
22																								
23	Stack Gas Flowrate	52815		53511																				
24	Oxygen	5.6		5.6																				
25																								
26	Thermal Feedrate					221		183		201		202		218		199		204						
27	Est Total Firing Rate					262		254		272		266		258		262		262						
28																								
29	Chlorine	0		0	1.6	4267369	2.3	3138834	2	3330379	2.03	3568750	2.3	3281100	2.2	3414170	2	3500100						
30	Antimony	0		0							78.3	7043	79	6984	80	7004	79	7010						
31	Arsenic	0		0							4.27	66063	7.5	37024	0.8	86268	3.3	63118						
32	Barium	0		0								182588		172118		161903		172203						
33	Beryllium	0		0							2.51	5774	22	6373	25	5944	17	6030						
34	Cadmium	0		0							1.26	11481	1.9	12057	2.8	10428	2	11322						
35	Chromium	0		0								134559		108154		158219		133644						
36	Lead	0		0								182657		158499		157542		166233						
37	Mercury	0		0							85.6	32	60	38	41	57	58	42						
38	Silver	0		0							98.6	15615	99	15297	99	15864	99	15592						
39	Thallium	0		0							95.7	5625	84	5493	83	5532	88	5550						
40	SVM	0		0							0.07	194138	0.1	170556	0.2	167970	0.1	177554						
41	LVM	0		0							1.44	206396	2.8	151551	0.9	250432	1.5	202793						
42																								
43	**323C8**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
44																								
45	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
46	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
47	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
48	Feed Rate																							
49	Heating Value																							
50																								
51	**323C9**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
52																								
53	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
54	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
55	Feed Class 2					Total		Total		Total		Total		Total		Total		Total						
56	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
57	Feed Rate																							
58	Heating Value																							
59	Thermal Feedrate					170		170		170								170						
60	Chlorine																							

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
61	Antimony		lb/hr	nd	4.2837	nd	4.2968	nd	4.2574													
62	Arsenic		lb/hr		0.8523		0.8052		0.9054													
63	Barium		lb/hr		6.7252		5.5120		7.0276													
64	Beryllium		lb/hr		0.2135		0.2503		0.2085													
65	Cadmium		lb/hr		0.2661		0.3514		0.2522													
66	Chromium		lb/hr		5.5702		5.8999		6.2548													
67	Copper		lb/hr		2.2222		2.4815		2.3328													
68	Iron		lb/hr		1476.62		1431.06		1603.80													
69	Lead		lb/hr		2.3538		2.4522		2.3620													
70	Mercury		lb/hr		0.0008	nd	0.0004	nd	0.0005													
71	Nickel		lb/hr		3.0556		2.8328		2.7265													
72	Selenium		lb/hr		0.2149		0.1314		0.1251													
73	Silver		lb/hr	nd	0.3231	nd	0.3243	nd	0.3208													
74	Thallium		lb/hr		0.0192		0.0200		0.0223													
75	Zinc		lb/hr		44.1524		75.1764		40.5324													
76																						
77	Stack Gas Flowrate		dscfm		58194		56039		58974								58194		56039		58974	
78	Oxygen		%		8.2		8.8		8.25								8.2		8.8		8.25	
79																						
80	*Feedrate MTEC Calculations*																					
81	Chlorine		ug/dscm		44596		39790		107538								0		0		0	
82	Antimony		ug/dscm	100	21526	100	23526	100	21194								0		0		0	
83	Arsenic		ug/dscm		4283		4409		4507								0		0		0	
84	Barium		ug/dscm		33796		30179		34985								0		0		0	
85	Beryllium		ug/dscm		1073		1371		1038								0		0		0	
86	Cadmium		ug/dscm		1337		1924		1256								0		0		0	
87	Chromium		ug/dscm		27992		32303		31138								0		0		0	
88	Copper		ug/dscm		11167		13586		11613								0		0		0	
89	Iron		ug/dscm		7420391		7835268		7984094								0		0		0	
90	Lead		ug/dscm		11829		13426		11758								0		0		0	
91	Mercury		ug/dscm		4	100	2	100	3								0		0		0	
92	Nickel		ug/dscm		15355		15510		13573								0		0		0	
93	Selenium		ug/dscm		1080		719		623								0		0		0	
94	Silver		ug/dscm	100	1624	100	1775	100	1597								0		0		0	
95	Thallium		ug/dscm		96		109		111								0		0		0	
96	Zinc		ug/dscm		221877		411602		201780								0		0		0	
97	SVM		ug/dscm		13166		15350		13014								0		0		0	
98	LVM		ug/dscm		33348		38082		36683								0		0		0	
99																						
100																						
101	**323B1**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
102																						
103	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
104	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
105	Feed Class 2				RM		RM		RM		RM		RM		RM							
106	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
107	Feed Rate		lb/hr		154000		157600		157200													
108	Heating Value		Btu/lb																			
109	Chlorine		lb/hr		53.592		47.315		46.725													
110	Antimony		lb/hr	nd	4.4968	nd	4.6019	nd	4.6060													
111	Arsenic		lb/hr		0.7022		0.7139		0.7876													
112	Barium		lb/hr		4.4660		4.6492		5.7378													
113	Beryllium		lb/hr		0.385		0.231672		0.312828													
114	Cadmium		lb/hr		0.2834		0.1530		0.2845													
115	Chromium		lb/hr		5.8828		5.5948		6.6496													
116	Copper		lb/hr		2.4794		2.37976		2.68812													
117	Iron		lb/hr		1261.26		1333.296		1515.408													
118	Lead		lb/hr		2.4178		2.33248		3.144													
119	Mercury		lb/hr		0.000842	nd	0.000520	nd	0.000498													
120	Nickel		lb/hr		1.8942		1.85968		2.70384													

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
61	Antimony																						
62	Arsenic																						
63	Barium																						
64	Beryllium																						
65	Cadmium																						
66	Chromium																						
67	Copper																						
68	Iron																						
69	Lead																						
70	Mercury																						
71	Nickel																						
72	Selenium																						
73	Silver																						
74	Thallium																						
75	Zinc																						
76																							
77	Stack Gas Flowrate							58194		56039		58974											
78	Oxygen							8.2		8.8		8.25											
79																							
80	*Feedrate MTEC Calculati*																						
81	Chlorine							0		0		0											
82	Antimony							0		0		0											
83	Arsenic							0		0		0											
84	Barium							0		0		0											
85	Beryllium							0		0		0											
86	Cadmium							0		0		0											
87	Chromium							0		0		0											
88	Copper							0		0		0											
89	Iron							0		0		0											
90	Lead							0		0		0											
91	Mercury							0		0		0											
92	Nickel							0		0		0											
93	Selenium							0		0		0											
94	Silver							0		0		0											
95	Thallium							0		0		0											
96	Zinc							0		0		0											
97	SVM							0		0		0											
98	LVM							0		0		0											
99																							
100																							
101	**323B1**	R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2	
102																							
103	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
104	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
105	Feed Class 2																			Spike		Spike	
106	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
107	Feed Rate																						
108	Heating Value																						
109	Chlorine																						
110	Antimony																						
111	Arsenic																						
112	Barium																						
113	Beryllium																						
114	Cadmium																						
115	Chromium																						
116	Copper																						
117	Iron																						
118	Lead																						
119	Mercury																						
120	Nickel																						

	B	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
61	Antimony								nd	0.7589	nd	0.7358	nd	0.7575									
62	Arsenic								nd	0.0212	nd	0.0205	nd	0.0212									
63	Barium									53.72		70.856		69.564									
64	Beryllium								nd	0.004257	nd	0.006025	nd	0.006678									
65	Cadmium									0.040528		0.013736		0.020196									
66	Chromium									1.8768		2.4344		2.4752									
67	Copper									4.2704		5.1		5.0796									
68	Iron									34.136		48.144		46.784									
69	Lead									3.0872		3.8896		3.8148									
70	Mercury									0.004665		0.006025		0.003101									
71	Nickel								nd	0.14824		0.23392		0.3808									
72	Selenium								nd	0.017816	nd	0.017272	nd	0.017816									
73	Silver								nd	0.05726	nd	0.05549	nd	0.05719									
74	Thallium									0.00668	nd	0.00632	nd	0.00651									
75	Zinc									6.9088		8.6768		9.6492									
76																							
77	Stack Gas Flowrate									58194		56039		58974								58194	
78	Oxygen									8.2		8.8		8.25								8.2	
79																							
80	*Feedrate MTEC Calculati*																						
81	Chlorine									439448		461665		476298								0	
82	Antimony								100	3814	100	4028	100	3771								0	
83	Arsenic								100	107	100	112	100	106								0	
84	Barium									269957		387947		346306								0	
85	Beryllium								100	21	100	33	100	33								0	
86	Cadmium									204		75		101								0	
87	Chromium									9431		13329		12322								0	
88	Copper									21460		27923		25287								0	
89	Iron									171542		263596		232902								0	
90	Lead									15514		21296		18991								0	
91	Mercury									23		33		15								0	
92	Nickel								100	745	100	1281	100	1896								0	
93	Selenium								100	90	100	95	100	89								0	
94	Silver								100	288	100	304	100	285								0	
95	Thallium									34		35		32								0	
96	Zinc									34718		47507		48036								0	
97	SVM									15718		21371		19092								0	
98	LVM								1.3	9559	1.1	13474	1.11	12461								0	
99																							
100									6		5		5										
101	**323B1**	R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1	
102																							
103	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
104	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
105	Feed Class 2	Spike		Spike		Spike		Spike		HW		HW		HW		HW		HW		HW		Coal	
106	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
107	Feed Rate																					15000	
108	Heating Value																					12000	
109	Chlorine																					38.1	
110	Antimony																					0.045	
111	Arsenic																					0.165	
112	Barium																					0.39	
113	Beryllium																					0.0165	
114	Cadmium																				nd	0.0045	nd
115	Chromium																					0.24	
116	Copper																					0.33	
117	Iron																					394.5	
118	Lead																					0.915	
119	Mercury																					0.00135	
120	Nickel																					0.99	

	B	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
61	Antimony																		
62	Arsenic																		
63	Barium																		
64	Beryllium																		
65	Cadmium																		
66	Chromium																		
67	Copper																		
68	Iron																		
69	Lead																		
70	Mercury																		
71	Nickel																		
72	Selenium																		
73	Silver																		
74	Thallium																		
75	Zinc																		
76																			
77	Stack Gas Flowrate	56039		58974								58194		56039		58974			
78	Oxygen	8.8		8.25								8.2		8.8		8.25			
79																			
80	*Feedrate MTEC Calculatio*																		
81	Chlorine	0		0								0		0		0			
82	Antimony	0		0								0		0		0			
83	Arsenic	0		0								0		0		0			
84	Barium	0		0								0		0		0			
85	Beryllium	0		0								0		0		0			
86	Cadmium	0		0								0		0		0			
87	Chromium	0		0								0		0		0			
88	Copper	0		0								0		0		0			
89	Iron	0		0								0		0		0			
90	Lead	0		0								0		0		0			
91	Mercury	0		0								0		0		0			
92	Nickel	0		0								0		0		0			
93	Selenium	0		0								0		0		0			
94	Silver	0		0								0		0		0			
95	Thallium	0		0								0		0		0			
96	Zinc	0		0								0		0		0			
97	SVM	0		0								0		0		0			
98	LVM	0		0								0		0		0			
99																			
100																			
101	**323B1**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
102																			
103	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
104	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
105	Feed Class 2	Coal		Coal		Coal		Coal		Coal									
106	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
107	Feed Rate	6400		6200															
108	Heating Value	12000		12000															
109	Chlorine	14.4		17.608															
110	Antimony	0.01536		0.0155															
111	Arsenic	0.06016		0.0744															
112	Barium	0.3008		0.3317															
113	Beryllium	0.00704		0.00744															
114	Cadmium	0.00256	nd	0.00248															
115	Chromium	0.1408		0.1736															
116	Copper	0.1792		0.1829															
117	Iron	167.04		168.33															
118	Lead	0.3904		0.4929															
119	Mercury	0.000256		0.000558															
120	Nickel	0.416		0.4433															

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	DI	DE	D	DG	D	DI
61	Antimony																							
62	Arsenic																							
63	Barium																							
64	Beryllium																							
65	Cadmium																							
66	Chromium																							
67	Copper																							
68	Iron																							
69	Lead																							
70	Mercury																							
71	Nickel																							
72	Selenium																							
73	Silver																							
74	Thallium																							
75	Zinc																							
76																								
77	Stack Gas Flowrate																							
78	Oxygen																							
79																								
80	*Feedrate MTEC Calculatio*																							
81	Chlorine					484044		501454		583836								523112						
82	Antimony				100	25340	100	27554	100	24965							100	25953						
83	Arsenic				2.4	4390	2.5	4521	2.3	4613							2.4	4508						
84	Barium					303752		418126		381291								367723						
85	Beryllium				2	1094		1404	3.1	1071							1.5	1190						
86	Cadmium					1541		1999		1356								1632						
87	Chromium					37423		45632		43460								42172						
88	Copper					32627		41510		36901								37013						
89	Iron					7591933		8098863		8216996								7969264						
90	Lead					27343		34722		30749								30938						
91	Mercury					28	6.5	35	15	18							6.1	27						
92	Nickel				4.6	16100	7.6	16791	12	15469							8.1	16120						
93	Selenium				7.7	1170	12	814	12	711							10	898						
94	Silver				100	1911	100	2079	100	1882							100	1957						
95	Thallium					130		144		143								139						
96	Zinc					256596		459109		249816								321840						
97	SVM					28883		36721		32106								32570						
98	LVM				0.3	42907	0.3	51556	0.3	49144							0.3	47869						
99																								
100																								
101	**323B1**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
102																								
103	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
104	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
105	Feed Class 2					Total		Total		Total		Total		Total		Total		Total						
106	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
107	Feed Rate																							
108	Heating Value																							
109	Chlorine																							
110	Antimony																							
111	Arsenic																							
112	Barium																							
113	Beryllium																							
114	Cadmium																							
115	Chromium																							
116	Copper																							
117	Iron																							
118	Lead																							
119	Mercury																							
120	Nickel																							

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
121	Selenium		lb/hr		0.0824		0.0963		0.0893													
122	Silver		lb/hr	nd	0.3403	nd	0.3467	nd	0.6084													
123	Thallium		lb/hr		0.0226		0.0172		0.0179													
124	Zinc		lb/hr		45.584		46.8072		46.374													
125																						
126	Stack Gas Flowrate		dscfm		64532		63776		60919													
127	Oxygen		%		8.75		9.7		9.65													
128																						
129	Thermal Feedrate		MMBtu/hr																			
130	Est Total Firing Rate		MMBtu/hr																			
131																						
132	*Feedrate MTEC Calculations*																					
133	Chlorine		ug/dscm		253767		245757		252955													
134	Antimony		ug/dscm	100	21293	100	23903	100	24935													
135	Arsenic		ug/dscm		3325		3708		4264													
136	Barium		ug/dscm		21147		24148		31063													
137	Beryllium		ug/dscm		1823		1203		1694													
138	Cadmium		ug/dscm		1342		795		1540													
139	Chromium		ug/dscm		27856		29060		35999													
140	Copper		ug/dscm		11740		12361		14553													
141	Iron		ug/dscm		5972272		6925276		8204028													
142	Lead		ug/dscm		11449		12115		17021													
143	Mercury		ug/dscm		4	100	3	100	3													
144	Nickel		ug/dscm		8969		9659		14638													
145	Selenium		ug/dscm		390		500		483													
146	Silver		ug/dscm	100	1612	100	1801	100	3294													
147	Thallium		ug/dscm		107		89		97													
148	Zinc		ug/dscm		215848		243121		251057													
149	SVM		ug/dscm		12790		12910		18561													
150	LVM		ug/dscm		33004		33972		41956													
151																						
152	**323B2**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
153																						
154	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
155	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
156	Feed Class 2				RM		RM		RM		RM		RM		RM							
157	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
158	Feed Rate		lb/hr		151000		151000		152400													
159	Heating Value		Btu/lb																			
160	Thermal Feedrate		MMBtu/hr																			
161	Chlorine		lb/hr		6.3118		6.20459		4.0005													
162	Antimony		lb/hr	nd	8.4258	nd	8.8939	nd	8.3058													
163	Arsenic		lb/hr		0.6161		0.6017		0.5669													
164	Barium		lb/hr		10.0566		9.3016		7.45236													
165	Beryllium		lb/hr	nd	0.04726	nd	0.04991	nd	0.10333													
166	Cadmium		lb/hr		0.03171		0.0391845		0.0166116													
167	Chromium		lb/hr		3.8958		3.4126		3.70332													
168	Copper		lb/hr		5.4662		5.20195		4.8006													
169	Iron		lb/hr		1887.5		1766.7		1615.44													
170	Lead		lb/hr		0.66742		0.637975		0.484632													
171	Mercury		lb/hr	nd	0.000485	nd	0.000637	nd	0.000572													
172	Nickel		lb/hr	nd	1.6459		2.718		4.66344													
173	Selenium		lb/hr		0.13968		0.17894		0.26213													
174	Silver		lb/hr	nd	0.63722	nd	0.67195	nd	0.62636													
175	Thallium		lb/hr		0.02039		0.03700		0.00605													
176	Zinc		lb/hr		5.3756		7.2329		4.191													
177																						
178	Stack Gas Flowrate		dscfm		50799		56471		55990								50799		56471		55990	
179	Oxygen		%		9		9		8.2								9		9		8.2	
180																						

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
121	Selenium																						
122	Silver																						
123	Thallium																						
124	Zinc																						
125																							
126	Stack Gas Flowrate																						
127	Oxygen																						
128																							
129	Thermal Feedrate																						
130	Est Total Firing Rate																						
131																							
132	*Feedrate MTEC Calculati*																						
133	Chlorine																						
134	Antimony																						
135	Arsenic																						
136	Barium																						
137	Beryllium																						
138	Cadmium																						
139	Chromium																						
140	Copper																						
141	Iron																						
142	Lead																						
143	Mercury																						
144	Nickel																						
145	Selenium																						
146	Silver																						
147	Thallium																						
148	Zinc																						
149	SVM																						
150	LVM																						
151																							
152	**323B2**	R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2	
153																							
154	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
155	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
156	Feed Class 2																			Spike		Spike	
157	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
158	Feed Rate																						
159	Heating Value																						
160	Thermal Feedrate																						
161	Chlorine																						
162	Antimony																						
163	Arsenic																						
164	Barium																						
165	Beryllium																						
166	Cadmium																						
167	Chromium																						
168	Copper																						
169	Iron																						
170	Lead																						
171	Mercury																						
172	Nickel																						
173	Selenium																						
174	Silver																						
175	Thallium																						
176	Zinc																						
177																							
178	Stack Gas Flowrate							50799		56471		55990											
179	Oxygen							9		9		8.2											
180																							

	B	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
121	Selenium																					0.078	
122	Silver																					0.006	nd
123	Thallium																				nd	0.009	nd
124	Zinc																					2.4	
125																							
126	Stack Gas Flowrate																					64532	
127	Oxygen																					8.75	
128																							
129	Thermal Feedrate																					180	
130	Est Total Firing Rate																						
131																							
132	*Feedrate MTEC Calculati*																						
133	Chlorine																					180410	
134	Antimony																					213	
135	Arsenic																					781	
136	Barium																					1847	
137	Beryllium																					78	
138	Cadmium																				100	21	100
139	Chromium																					1136	
140	Copper																					1563	
141	Iron																					1868022	
142	Lead																					4333	
143	Mercury																					6	
144	Nickel																					4688	
145	Selenium																					369	
146	Silver																					28	100
147	Thallium																				100	43	100
148	Zinc																					11364	
149	SVM																					4354	
150	LVM																					1996	
151																							
152	**323B2**	R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1	
153																							
154	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
155	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
156	Feed Class 2	Spike		Spike		Spike		Spike		HW		HW		HW		HW		HW		HW		Coal	
157	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
158	Feed Rate									13400		13200		13400									
159	Heating Value									12500		12500		12500									
160	Thermal Feedrate									167.5		165		167.5									
161	Chlorine									111.7962		114.708		119.26									
162	Antimony									1.02108	nd	0.77484	nd	0.8241									
163	Arsenic									0.037654		0.052932		0.031356									
164	Barium									32.964		29.04		31.356									
165	Beryllium								nd	0.0045962	nd	0.0043428	nd	0.0046364									
166	Cadmium									0.062712		0.078672		0.046967									
167	Chromium									1.8492		1.4784		1.7152									
168	Copper									3.4304		3.0624		3.3701									
169	Iron									43.818		34.584		40.803									
170	Lead									2.881		3.696		2.5527									
171	Mercury									0.014472		0.02112		0.0123548									
172	Nickel								nd	0.15946	nd	0.15048	nd	0.16013									
173	Selenium									0.021574		0.025872		0.028073									
174	Silver								nd	0.061908	nd	0.058476	nd	0.06231									
175	Thallium								nd	0.006566	nd	0.0061116	nd	0.0064052									
176	Zinc									11.8054		10.9692		11.8523									
177																							
178	Stack Gas Flowrate									50799		56471		55990								50799	
179	Oxygen									9		9		8.2								9	
180																							

	B	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
121	Selenium	0.03328		0.02139															
122	Silver	0.00256	nd	0.00248															
123	Thallium	0.00512	nd	0.00496															
124	Zinc	2.112		3.968															
125																			
126	Stack Gas Flowrate	63776		60919															
127	Oxygen	9.7		9.65															
128																			
129	Thermal Feedrate	76.8		74.4															
130	Est Total Firing Rate																		
131																			
132	*Feedrate MTEC Calculati*																		
133	Chlorine	74795		95325															
134	Antimony	80		84															
135	Arsenic	312		403															
136	Barium	1562		1796															
137	Beryllium	37		40															
138	Cadmium	13	100	13															
139	Chromium	731		940															
140	Copper	931		990															
141	Iron	867623		911295															
142	Lead	2028		2668															
143	Mercury	1		3															
144	Nickel	2161		2400															
145	Selenium	173		116															
146	Silver	13	100	13															
147	Thallium	27	100	27															
148	Zinc	10970		21482															
149	SVM	2041		2682															
150	LVM	1080		1383															
151																			
152	**323B2**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
153																			
154	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
155	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
156	Feed Class 2	Coal		Coal		Coal		Coal		Coal									
157	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
158	Feed Rate																		
159	Heating Value																		
160	Thermal Feedrate																		
161	Chlorine																		
162	Antimony																		
163	Arsenic																		
164	Barium																		
165	Beryllium																		
166	Cadmium																		
167	Chromium																		
168	Copper																		
169	Iron																		
170	Lead																		
171	Mercury																		
172	Nickel																		
173	Selenium																		
174	Silver																		
175	Thallium																		
176	Zinc																		
177																			
178	Stack Gas Flowrate	56471		55990								50799		56471		55990			
179	Oxygen	9		8.2								9		9		8.2			
180																			

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	DD	DE	DF	DG	DH	DI
121	Selenium																							
122	Silver																							
123	Thallium																							
124	Zinc																							
125																								
126	Stack Gas Flowrate																							
127	Oxygen																							
128																								
129	Thermal Feedrate					180		76.8		74.4								110						
130	Est Total Firing Rate					251		229		220														
131																								
132	*Feedrate MTEC Calculatio*																							
133	Chlorine					434177		320552		348280								367670						
134	Antimony				99	21506	100	23983	100	25019							99	23503						
135	Arsenic					4107		4021		4666								4265						
136	Barium					22994		25711		32859								27188						
137	Beryllium					1901		1240		1734								1625						
138	Cadmium				1.6	1363	1.6	808	0.9	1554							1.3	1242						
139	Chromium					28992		29791		36939								31908						
140	Copper					13303		13291		15543								14046						
141	Iron					7840294		7792898		9115324								8249505						
142	Lead					15781		14143		19689								16538						
143	Mercury					10	67	4	47	6							27	7						
144	Nickel					13657		11820		17038								14172						
145	Selenium					759		673		599								677						
146	Silver				98	1640	100	1814	100	3307							100	2254						
147	Thallium				28	150	23	116	22	124							25	130						
148	Zinc					227212		254091		272539								251281						
149	SVM					17144		14951		21243								17780						
150	LVM					35000		35052		43339								37797						
151																								
152	**323B2**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
153																								
154	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
155	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
156	Feed Class 2					Total		Total		Total		Total		Total		Total		Total						
157	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
158	Feed Rate																							
159	Heating Value																							
160	Thermal Feedrate					167.5		165		167.5								167						
161	Chlorine																							
162	Antimony																							
163	Arsenic																							
164	Barium																							
165	Beryllium																							
166	Cadmium																							
167	Chromium																							
168	Copper																							
169	Iron																							
170	Lead																							
171	Mercury																							
172	Nickel																							
173	Selenium																							
174	Silver																							
175	Thallium																							
176	Zinc																							
177																								
178	Stack Gas Flowrate																							
179	Oxygen																							
180																								

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
181	*Feedrate MTEC Calculations*																					
182	Chlorine		ug/dscm		65811		58196		35480								0		0		0	
183	Antimony		ug/dscm	100	87853	100	83420	100	73662								0		0		0	
184	Arsenic		ug/dscm		6424		5644		5028								0		0		0	
185	Barium		ug/dscm		104857		87244		66093								0		0		0	
186	Beryllium		ug/dscm	100	493	100	468	100	916								0		0		0	
187	Cadmium		ug/dscm		331		368		147								0		0		0	
188	Chromium		ug/dscm		40620		32008		32844								0		0		0	
189	Copper		ug/dscm		56995		48791		42575								0		0		0	
190	Iron		ug/dscm		19680423		16570666		14326968								0		0		0	
191	Lead		ug/dscm		6959		5984		4298								0		0		0	
192	Mercury		ug/dscm	100	5	100	6	100	5								0		0		0	
193	Nickel		ug/dscm	100	17161		25493		41359								0		0		0	
194	Selenium		ug/dscm		1456		1678		2325								0		0		0	
195	Silver		ug/dscm	100	6644	100	6303	100	5555								0		0		0	
196	Thallium		ug/dscm		213		347		54								0		0		0	
197	Zinc		ug/dscm		56050		67841		37169								0		0		0	
198	SVM		ug/dscm		7290		6351		4445								0		0		0	
199	LVM		ug/dscm		47537		38120		38788								0		0		0	
200																						
201	**323B3**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
202																						
203	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
204	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
205	Feed Class 2																					
206	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
207	Feed Rate		lb/hr		160274.4		160274.4		160274.4													
208	Heating Value		Btu/lb																			
209	Chlorine		lb/hr		27.337		25.132		13.228													
210	Antimony		lb/hr		0.1477		0.1499		0.0265													
211	Arsenic		lb/hr		0.6173		0.6834		0.5952													
212	Barium		lb/hr		13.2276		12.1253		10.5821													
213	Beryllium		lb/hr		0.0639		0.0639		0.0617													
214	Cadmium		lb/hr		0.0060		0.0141		0.0134													
215	Chromium		lb/hr		3.307		2.425		2.161													
216	Lead		lb/hr		0.44092		0.573196		0.485012													
217	Mercury		lb/hr		0.000419		0.000353		0.000243													
218	Silver		lb/hr		0.059524		0.061729		0.001940													
219	Thallium		lb/hr		0.22046		0.1455036		0.2116416													
220																						
221	Stack Gas Flowrate		dscfm		58184		54495		54525													
222	Oxygen		%		7.6		7.5		7.4													
223																						
224	Thermal Feedrate		MMBtu/hr																			
225	Est Total Firing Rate		MMBtu/hr																			
226																						
227	*Feedrate MTEC Calculations*																					
228	Chlorine		ug/dscm		131247		127876		66772													
229	Antimony		ug/dscm		709		763		134													
230	Arsenic		ug/dscm		2964		3477		3005													
231	Barium		ug/dscm		63507		61695		53417													
232	Beryllium		ug/dscm		307		325		312													
233	Cadmium		ug/dscm		29		72		68													
234	Chromium		ug/dscm		15877		12339		10906													
235	Lead		ug/dscm		2117		2916		2448													
236	Mercury		ug/dscm		2		2		1													
237	Silver		ug/dscm		286		314		10													
238	Thallium		ug/dscm		1058		740		1068													
239	SVM		ug/dscm		2145		2988		2516													
240	LVM		ug/dscm		19147		16142		14222													

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
181	*Feedrate MTEC Calculatio*																						
182	Chlorine							0		0		0											
183	Antimony							0		0		0											
184	Arsenic							0		0		0											
185	Barium							0		0		0											
186	Beryllium							0		0		0											
187	Cadmium							0		0		0											
188	Chromium							0		0		0											
189	Copper							0		0		0											
190	Iron							0		0		0											
191	Lead							0		0		0											
192	Mercury							0		0		0											
193	Nickel							0		0		0											
194	Selenium							0		0		0											
195	Silver							0		0		0											
196	Thallium							0		0		0											
197	Zinc							0		0		0											
198	SVM							0		0		0											
199	LVM							0		0		0											
200																							
201	**323B3**	R4		R5		R6		R1		R2		R3		R4		R5		R6		R1		R2	
202																							
203	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
204	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Raw Material		Raw Material	
205	Feed Class 2							Spike		Spike		Spike		Spike		Spike		Spike					
206	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Raw Material		Raw Material	
207	Feed Rate							36.905004		37.059326		36.287716											
208	Heating Value							0		0		0											
209	Chlorine																						
210	Antimony																						
211	Arsenic							7.618		7.535		7.833											
212	Barium																						
213	Beryllium							0.626		0.621		0.547											
214	Cadmium							2.153		1.815		1.846											
215	Chromium							8.532		8.081		7.509											
216	Lead							17.631		18.643		18.29											
217	Mercury																						
218	Silver																						
219	Thallium																						
220																							
221	Stack Gas Flowrate							58184		54495		54525											
222	Oxygen							7.6		7.5		7.4											
223																							
224	Thermal Feedrate																						
225	Est Total Firing Rate																						
226																							
227	*Feedrate MTEC Calculatio*																						
228	Chlorine							0		0		0								136539		133261	
229	Antimony							0		0		0								1016		1054	
230	Arsenic							36575		38339		39540								3641		4352	
231	Barium							0		0		0								79383		80764	
232	Beryllium							3005		3160		2761								348		381	
233	Cadmium							10337		9235		9318								34		81	
234	Chromium							40963		41117		37905								18946		16153	
235	Lead							84648		94857		92326								7092		9871	
236	Mercury							0		0		0								2		2	
237	Silver							0		0		0								305		344	
238	Thallium							0		0		0								1418		1054	
239	SVM							94984		104092		101645								7125		9952	
240	LVM							80543		82616		80206								22935		20886	

	B	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
181	*Feedrate MTEC Calculatio*																						
182	Chlorine									1165667		1075897		1057690								0	
183	Antimony									10647	100	7268	100	7309								0	
184	Arsenic									393		496		278								0	
185	Barium									343706		272379		278089								0	
186	Beryllium								100	48	100	41	100	41								0	
187	Cadmium									654		738		417								0	
188	Chromium									19281		13867		15212								0	
189	Copper									35768		28724		29889								0	
190	Iron									456878		324379		361872								0	
191	Lead									30039		34666		22639								0	
192	Mercury									151		198		110								0	
193	Nickel								100	1663	100	1411	100	1420								0	
194	Selenium									225		243		249								0	
195	Silver								100	645	100	548	100	553								0	
196	Thallium								100	68	100	57	100	57								0	
197	Zinc									123092		102885		105115								0	
198	SVM									30693		35404		23056								0	
199	LVM									19722		14404		15531								0	
200																							
201	**323B3**	R3		R4		R5		R6		R1		R2		R3		R4		R5		R6		R1	
202																							
203	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
204	Feed Class	Raw Material		Raw Material		Raw Material		Raw Material		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
205	Feed Class 2									HW		HW		HW		HW		HW		HW		Coal	
206	Feedstream Description	Raw Material		Raw Material		Raw Material		Raw Material		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
207	Feed Rate									16975		16931		16865									
208	Heating Value									11782		11812		11918									
209	Chlorine									815.702		749.564		683.426									
210	Antimony									0.200619		0.194005		0.242506									
211	Arsenic									0.418874		0.308644		0.374782									
212	Barium									57.3196		52.9104		55.115									
213	Beryllium									0.02050		0.01896		0.02006									
214	Cadmium									0.5732		0.5291		0.5732									
215	Chromium									5.0706		4.6297		5.0706									
216	Lead									4.6297		4.4092		4.6297									
217	Mercury									0.0220		0.0243		0.0216									
218	Silver									0.05952		0.05732		0.06173									
219	Thallium									0.07275		0.06834		0.07496									
220																							
221	Stack Gas Flowrate									58184		54495		54525									
222	Oxygen									7.6		7.5		7.4									
223																							
224	Thermal Feedrate									200		200		201									
225	Est Total Firing Rate																						
226																							
227	*Feedrate MTEC Calculatio*																						
228	Chlorine	79013								3916241		3813858		3449873									
229	Antimony	412								963		987		1224									
230	Arsenic	4084								2011		1570		1892									
231	Barium	73449								275195		269213		278216									
232	Beryllium	381								98		96		101									
233	Cadmium	75								2752		2692		2893									
234	Chromium	14912								24344		23556		25596									
235	Lead	7567								22227		22434		23370									
236	Mercury	1								106		123		109									
237	Silver	35								286		292		312									
238	Thallium	1380								349		348		378									
239	SVM	7642								24979		25127		26264									
240	LVM	19377								26454		25223		27589									

	B	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
181	*Feedrate MTEC Calculatio*																		
182	Chlorine		0		0							0		0		0			
183	Antimony		0		0							0		0		0			
184	Arsenic		0		0							0		0		0			
185	Barium		0		0							0		0		0			
186	Beryllium		0		0							0		0		0			
187	Cadmium		0		0							0		0		0			
188	Chromium		0		0							0		0		0			
189	Copper		0		0							0		0		0			
190	Iron		0		0							0		0		0			
191	Lead		0		0							0		0		0			
192	Mercury		0		0							0		0		0			
193	Nickel		0		0							0		0		0			
194	Selenium		0		0							0		0		0			
195	Silver		0		0							0		0		0			
196	Thallium		0		0							0		0		0			
197	Zinc		0		0							0		0		0			
198	SVM		0		0							0		0		0			
199	LVM		0		0							0		0		0			
200																			
201	**323B3**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
202																			
203	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
204	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
205	Feed Class 2	Coal		Coal		Coal		Coal		Coal									
206	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
207	Feed Rate											6415		7297		7848			
208	Heating Value																		
209	Chlorine											1.1023		1.058208		2.42506			
210	Antimony											0.06393		0.05732		0.05512			
211	Arsenic											0.14109		0.17196		0.21385			
212	Barium											3.3069		3.74782		3.96828			
213	Beryllium											0.008598		0.011023		0.013669			
214	Cadmium											0.001058		0.001852		0.001345			
215	Chromium											0.639334		0.749564		0.793656			
216	Lead											1.0362		1.3669		1.0141			
217	Mercury											1.080E-05		1.257E-05		5.732E-06			
218	Silver											3.968E-03		5.952E-03		5.071E-03			
219	Thallium											0.07496		0.06173		0.06173			
220																			
221	Stack Gas Flowrate											58184		54495		54525			
222	Oxygen											7.6		7.5		7.4			
223																			
224	Thermal Feedrate											0		0		0			
225	Est Total Firing Rate																		
226																			
227	*Feedrate MTEC Calculatio*																		
228	Chlorine											5292		5384		12241			
229	Antimony											307		292		278			
230	Arsenic											677		875		1079			
231	Barium											15877		19069		20032			
232	Beryllium											41		56		69			
233	Cadmium											5		9		7			
234	Chromium											3069		3814		4006			
235	Lead											4975		6955		5119			
236	Mercury											0		0		0			
237	Silver											19		30		26			
238	Thallium											360		314		312			
239	SVM											4980		6964		5126			
240	LVM											3788		4745		5155			

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	DD	DE	DF	DG	DH	DI
181	*Feedrate MTEC Calculatio*																							
182	Chlorine					1231478		1134093		1093169								1152914						
183	Antimony				89	98500	100	90687	100	80971							96	90053						
184	Arsenic					6816		6140		5306								6088						
185	Barium					448564		359623		344182								384123						
186	Beryllium				100	541	100	509	100	958							100	669						
187	Cadmium					985		1105		564								885						
188	Chromium					59901		45875		48056								51277						
189	Copper					92762		77515		72464								80914						
190	Iron					20137301		16895045		14688840								17240396						
191	Lead					36998		40650		26937								34862						
192	Mercury				3.2	156	2.9	204	4.4	115							3.4	158						
193	Nickel				100	18824	5.2	26905	3.3	42779							24	29503						
194	Selenium					1681		1921		2574								2059						
195	Silver				100	7290	100	6851	100	6108							100	6749						
196	Thallium				24	281	14	404	51	110							23	265						
197	Zinc					179141		170726		142284								164050						
198	SVM					37983		41756		27501								35747						
199	LVM					67258		52524		54319								58034						
200																								
201	**323B3**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg		R1		R2		R3
202																								
203	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
204	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
205	Feed Class 2					Total		Total		Total		Total		Total		Total		Total		RM		RM		RM
206	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
207	Feed Rate																							
208	Heating Value																							
209	Chlorine																							
210	Antimony																							
211	Arsenic																							
212	Barium																							
213	Beryllium																							
214	Cadmium																							
215	Chromium																							
216	Lead																							
217	Mercury																							
218	Silver																							
219	Thallium																							
220																								
221	Stack Gas Flowrate																							
222	Oxygen																							
223																								
224	Thermal Feedrate					200		200		201								200						
225	Est Total Firing Rate					248		234		235								239						
226																								
227	*Feedrate MTEC Calculatio*																							
228	Chlorine					4052780		3947118		3528886								3842928		273078		266521		158026
229	Antimony					1979		2042		1636								1886		2032		2109		824
230	Arsenic					42227		44262		45516								44002		7282		8705		8168
231	Barium					354579		349978		351664								352074		158767		161528		146898
232	Beryllium					3452		3638		3243								3444		696		763		761
233	Cadmium					13122		12008		12287								12472		67		162		149
234	Chromium					84253		80826		78413								81164		37892		32306		29825
235	Lead					113967		127163		123264								121464		14183		19742		15135
236	Mercury					108		125		110								114		4		4		3
237	Silver					591		636		347								525		610		689		71
238	Thallium					1768		1402		1758								1643		2837		2109		2760
239	SVM					127089		139171		135550								133937		14250		19905		15284
240	LVM					129932		128725		127172								128610		45871		41773		38754

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
241																						
242	**323B4**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
243																						
244	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
245	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
246	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
247	Feed Rate		lb/hr																			
248	Heating Value		Btu/lb																			
249	Chlorine		lb/hr		6.173		7.055		17.416													
250																						
251	**323B5**				R1		R2		R3		R4		R5		R6		R1		R2		R3	
252																						
253	Feedstream Number				F1		F1		F1		F1		F1		F1		F2		F2		F2	
254	Feed Class				Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Raw Material		Spike		Spike		Spike	
255	Feedstream Description				Raw material		Raw material		Raw material		Raw material		Raw material		Raw material		Spiked metals		Spiked metals		Spiked metals	
256	Feed Rate		lb/hr																			
257	Heating Value		Btu/lb																			
258	Chlorine		lb/hr		22.0		17.6		11.7													

	B	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
241																							
242	**323B4**	R4		R5		R6		R1		R2		R3		R4		R5		R6					
243																							
244	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
245	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
246	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
247	Feed Rate																						
248	Heating Value																						
249	Chlorine																						
250																							
251	**323B5**	R4		R5		R6		R1		R2		R3		R4		R5		R6					
252																							
253	Feedstream Number	F2		F2		F2		F3		F3		F3		F3		F3		F3					
254	Feed Class	Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike		Spike					
255	Feedstream Description	Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals		Spiked metals					
256	Feed Rate																						
257	Heating Value																						
258	Chlorine																						

	B	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO
241																							
242	**323B4**									R1		R2		R3		R4		R5		R6		R1	
243																							
244	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
245	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
246	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
247	Feed Rate									14352		14396		14220									
248	Heating Value									11915		12017		12026									
249	Chlorine									507		705		750									
250																							
251	**323B5**									R1		R2		R3		R4		R5		R6		R1	
252																							
253	Feedstream Number									F4		F4		F4		F4		F4		F4		F5	
254	Feed Class									Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Coal	
255	Feedstream Description									Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Liquid haz waste		Coal	
256	Feed Rate									11111		11310		11310								4409	
257	Heating Value									9810		9992		11937								10841	
258	Chlorine									167.5		264.6		191.8								7.94	

	B	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG
241																			
242	**323B4**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
243																			
244	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
245	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
246	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
247	Feed Rate																		
248	Heating Value																		
249	Chlorine																		
250																			
251	**323B5**	R2		R3		R4		R5		R6		R1		R2		R3		R4	
252																			
253	Feedstream Number	F5		F5		F5		F5		F5		F6		F6		F6		F6	
254	Feed Class	Coal		Coal		Coal		Coal		Coal		Raw Material		Raw Material		Raw Material		Raw Material	
255	Feedstream Description	Coal		Coal		Coal		Coal		Coal		Raw material mid kiln		Raw material mid kiln		Raw material mid kiln		Raw material m	
256	Feed Rate	4894		4541															
257	Heating Value	9624		10966															
258	Chlorine	7.28		6.17															

	B	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	DD	DE	D	DG	D	DI
241																								
242	**323B4**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
243																								
244	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
245	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
246	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
247	Feed Rate																							
248	Heating Value																							
249	Chlorine																							
250																								
251	**323B5**	R5		R6		R1		R2		R3		R4		R5		R6		Cond Avg						
252																								
253	Feedstream Number	F6		F6		F7		F7		F7		F7		F7		F7		F7						
254	Feed Class	Raw Material		Raw Material		Total		Total		Total		Total		Total		Total		Total						
255	Feedstream Description	Raw material m		Raw material m		Total		Total		Total		Total		Total		Total		Total						
256	Feed Rate																							
257	Heating Value																							
258	Chlorine																							

	C	D	E	F	G	H	I	J	K	L	M
1	**Process Information 2**										
2											
3	**323C1**										
4											
5	Combustion Temperature	F	2976	3053	2795	3002	3011	2911			
6	ESP Temperature	F	470	481	511	496	500	487			
7	ESP Power	kVA	38	38	78	60	64	39			
8											
9	**323C2**										
10											
11	ESP Temperature	F	351	354							
12											
13	**323C3**										
14											
15	ESP Temperature	F	354	356							
16											
17	**323C4**										
18											
19	ESP Temperature	F	355	360							
20											
21	**323C5**										
22											
23	ESP Temperature	F	354	360							
24											
25	**323C6**										
26											
27	Combustion Temperature	F	1719	1700							
28	ESP Temperature	F	360	359							
29											
30	**323C7**										
31											
32	Combustion Temperature	F	1675	1648							
33	ESP Temperature	F	400	399							
34											
35	**323C8**										
36											
37	Combustion Temperature	F	2633	2628	2613						
38	ESP Temperature	F	406	410	422						
39											
40	**323C9**										
41											
42	Combustion Temperature	F	2688	2686	2715						
43	ESP Temperature	F	413.2	412.6	405.5						
44											
45	**323B1**										
46											
47	Combustion Temperature	F	2763	2800	2803						
48	ESP Temperature	F	406.6	405.2	399.9						
49											
50	**323B2**										
51											
52	Combustion Temperature	F	2737	2744	2745						
53	ESP Temperature	F	357.8	356.4	362						
54											
55	**323B3**										
56											
57	Combustion Temperature	F	2964	3011	3036	2779	2969	3020	2973	3017	3040
58	ESP Temperature	F	424	431	430	394	426	431	427	430	430
59	ESP Power	kVA	71	92	90						
60											
61	**323B4**										
62											
63	Combustion Temperature	F	2174	2388	2309	2216	2355				
64	ESP Temperature	F	397	390	388	396	387				
65	ESP Power	kVA	72	69	69						
66											
67	**323B5**										
68											
69	Combustion Temperature	F	2693	2498	2623						
70	ESP Temperature	F	396	400	388						
71	ESP Power	kVA	113	124	120						

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**323C1**	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		0.0000				0.2885	0.2885	0.2885		0.0000		
6	4D Other	0		32.1514	32.1514	0.0000		95.7010	95.7010	0.0000		35.7644	35.7644	0.0000
7	4D Total	0		32.1514	32.1514	0.0000		95.9895	95.9895	0.0000		35.7644	35.7644	0.0000
8	5D 12378	0.5		0.4367	0.4367	0.2184		1.3900	1.3900	0.6950		0.4854	0.4854	0.2427
9	5D Other	0		45.2538	45.2538	0.0000		162.5264	162.5264	0.0000		46.7748	46.7748	0.0000
10	5D Total	0		45.6906	45.6906	0.0000		163.9165	163.9165	0.0000		47.2601	47.2601	0.0000
11	6D 123478	0.1		0.8399	0.8399	0.0840		1.9670	1.9670	0.1967		0.6387	0.6387	0.0639
12	6D 123678	0.1		1.6462	1.6462	0.1646		3.7242	3.7242	0.3724		1.0985	1.0985	0.1098
13	6D 123789	0.1		0.8399	0.8399	0.0840		2.2030	2.2030	0.2203		0.7153	0.7153	0.0715
14	6D Other	0		119.6354	119.6354	0.0000		343.5427	343.5427	0.0000		91.8124	91.8124	0.0000
15	6D Total	0		122.9614	122.9614	0.0000		351.4369	351.4369	0.0000		94.2648	94.2648	0.0000
16	7D 1234678	0.01		8.8693	8.8693	0.0887		20.2994	20.2994	0.2030		6.0289	6.0289	0.0603
17	7D Other	0		15.4542	15.4542	0.0000		32.6784	32.6784	0.0000		9.8352	9.8352	0.0000
18	7D Total	0		24.3235	24.3235	0.0000		52.9778	52.9778	0.0000		15.8641	15.8641	0.0000
19	8D	0.001		3.4268	3.4268	0.0034		7.2386	7.2386	0.0072		2.7334	2.7334	0.0027
20	4F 2378	0.1		0.7391	0.7391	0.0739		1.9670	1.9670	0.1967		0.7664	0.7664	0.0766
21	4F Other	0		47.6391	47.6391	0.0000		115.0038	115.0038	0.0000		39.3409	39.3409	0.0000
22	4F Total	0		48.3783	48.3783	0.0000		116.9708	116.9708	0.0000		40.1072	40.1072	0.0000
23	5F 12378	0.05		1.1759	1.1759	0.0588		3.5144	3.5144	0.1757		0.9963	0.9963	0.0498
24	5F 23478	0.5		3.6956	3.6956	1.8478		8.8908	8.8908	4.4454		2.5291	2.5291	1.2645
25	5F Other	0		37.1236	37.1236	0.0000		82.2730	82.2730	0.0000		24.8307	24.8307	0.0000
26	5F Total	0		41.9950	41.9950	0.0000		94.6781	94.6781	0.0000		28.3561	28.3561	0.0000
27	6F 123478	0.1		4.0315	4.0315	0.4032		11.5659	11.5659	1.1566		2.7845	2.7845	0.2785
28	6F 123678	0.1		1.4782	1.4782	0.1478		3.8291	3.8291	0.3829		0.9197	0.9197	0.0920
29	6F 123789	0.1		0.3696	0.3696	0.0370		0.8655	0.8655	0.0865		0.1788	0.1788	0.0179
30	6F 234678	0.1		3.5276	3.5276	0.3528		8.8646	8.8646	0.8865		2.0692	2.0692	0.2069
31	6F Other	0		11.4898	11.4898	0.0000		26.8036	26.8036	0.0000		6.3865	6.3865	0.0000
32	6F Total	0		20.8967	20.8967	0.0000		51.9287	51.9287	0.0000		12.3387	12.3387	0.0000
33	7F 1234678	0.01		2.1837	2.1837	0.0218		5.0880	5.0880	0.0509		1.4817	1.4817	0.0148
34	7F 1234789	0.01		0.8399	0.8399	0.0084		1.9932	1.9932	0.0199		0.4343	0.4343	0.0043
35	7F Other	0		2.3181	2.3181	0.0000		5.4814	5.4814	0.0000		1.3028	1.3028	0.0000
36	7F Total	0		5.3418	5.3418	0.0000		12.5626	12.5626	0.0000		3.2188	3.2188	0.0000
37	8F	0.001		0.5039	0.5039	0.0005		1.4687	1.4687	0.0015		0.1686	0.1686	0.0002
38	Total PCDD/PCDF			345.6694	345.6694			949.1681	949.1681			280.0763	280.0763	
39	TEQ		0.0	3.5950		3.5950	0.0	9.3858		9.3858	0.0	2.5565		2.5565

	C	D	E	F	G	H	I	J	K	L
1	**323C2**	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	2	0.0006	0.0006	0.0006	1	0.0021	0.0011	0.0011
6	4D Other	0		0.1754	0.1754	0.0000		0.1397	0.1397	0.0000
7	4D Total	0		0.1759	0.1759	0.0000		0.1418	0.1418	0.0000
8	5D 12378	0.5		0.0076	0.0076	0.0038	2	0.0064	0.0064	0.0032
9	5D Other	0		0.3366	0.3366	0.0000		0.3323	0.3323	0.0000
10	5D Total	0		0.3442	0.3442	0.0000		0.3387	0.3387	0.0000
11	6D 123478	0.1		0.0096	0.0096	0.0010		0.0085	0.0085	0.0008
12	6D 123678	0.1		0.0344	0.0344	0.0034		0.0360	0.0360	0.0036
13	6D 123789	0.1		0.0249	0.0249	0.0025		0.0275	0.0275	0.0028
14	6D Other	0		0.6579	0.6579	0.0000		0.7324	0.7324	0.0000
15	6D Total	0		0.7267	0.7267	0.0000		0.8044	0.8044	0.0000
16	7D 1234678	0.01		0.1912	0.1912	0.0019		0.2117	0.2117	0.0021
17	7D Other	0		0.3251	0.3251	0.0000		0.3599	0.3599	0.0000
18	7D Total	0		0.5164	0.5164	0.0000		0.5715	0.5715	0.0000
19	8D	0.001		0.2104	0.2104	0.0002		0.2540	0.2540	0.0003
20	4F 2378	0.1		0.0669	0.0669	0.0067		0.0741	0.0741	0.0074
21	4F Other	0		0.3538	0.3538	0.0000		0.3493	0.3493	0.0000
22	4F Total	0		0.4207	0.4207	0.0000		0.4234	0.4234	0.0000
23	5F 12378	0.05	2	0.0057	0.0057	0.0003		0.0064	0.0064	0.0003
24	5F 23478	0.5	2	0.0153	0.0153	0.0076		0.0148	0.0148	0.0074
25	5F Other	0		0.1626	0.1626	0.0000		0.1715	0.1715	0.0000
26	5F Total	0		0.1836	0.1836	0.0000		0.1926	0.1926	0.0000
27	6F 123478	0.1		0.0249	0.0249	0.0025		0.0296	0.0296	0.0030
28	6F 123678	0.1		0.0000				0.0169	0.0169	0.0017
29	6F 123789	0.1		0.0019	0.0019	0.0002		0.0021	0.0021	0.0002
30	6F 234678	0.1		0.0249	0.0249	0.0025		0.0296	0.0296	0.0030
31	6F Other	0		0.0612	0.0612	0.0000		0.0275	0.0275	0.0000
32	6F Total	0		0.1128	0.1128	0.0000		0.1058	0.1058	0.0000
33	7F 1234678	0.01		0.0268	0.0268	0.0003		0.0275	0.0275	0.0003
34	7F 1234789	0.01		0.0057	0.0057	0.0001	2	0.0085	0.0085	0.0001
35	7F Other	0		0.0107	0.0107	0.0000		0.0148	0.0148	0.0000
36	7F Total	0		0.0432	0.0432	0.0000		0.0508	0.0508	0.0000
37	8F	0.001	2	0.0096	0.0096	0.0000		0.0064	0.0064	0.0000
38	Total PCDD/PCDF			2.7436	2.7436			2.8894	2.8894	
39	TEQ		0.0	0.0335		0.0335	5.5	0.0382		0.0371

	C	D	E	F	G	H	I	J	K	L
1	**323C3**	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	0.0008	0.0004	0.0004	1	0.0016	0.0008	0.0008
6	4D Other	0		0.2735	0.2735	0.0000		0.3797	0.3797	0.0000
7	4D Total	0		0.2743	0.2743	0.0000		0.3813	0.3813	0.0000
8	5D 12378	0.5	2	0.0098	0.0098	0.0049		0.0100	0.0100	0.0050
9	5D Other	0		0.4213	0.4213	0.0000		0.4515	0.4515	0.0000
10	5D Total	0		0.4311	0.4311	0.0000		0.4616	0.4616	0.0000
11	6D 123478	0.1		0.0098	0.0098	0.0010		0.0100	0.0100	0.0010
12	6D 123678	0.1		0.0235	0.0235	0.0024		0.0241	0.0241	0.0024
13	6D 123789	0.1		0.0216	0.0216	0.0022		0.0201	0.0201	0.0020
14	6D Other	0		0.8464	0.8464	0.0000		1.0897	1.0897	0.0000
15	6D Total	0		0.9013	0.9013	0.0000		1.1438	1.1438	0.0000
16	7D 1234678	0.01		0.1861	0.1861	0.0019		0.2207	0.2207	0.0022
17	7D Other	0		0.2841	0.2841	0.0000		0.2809	0.2809	0.0000
18	7D Total	0		0.4702	0.4702	0.0000		0.5017	0.5017	0.0000
19	8D	0.001		0.1332	0.1332	0.0001		0.1405	0.1405	0.0001
20	4F 2378	0.1		0.0980	0.0980	0.0098		0.1064	0.1064	0.0106
21	4F Other	0		0.5290	0.5290	0.0000		0.4957	0.4957	0.0000
22	4F Total	0		0.6270	0.6270	0.0000		0.6020	0.6020	0.0000
23	5F 12378	0.05		0.0078	0.0078	0.0004		0.0080	0.0080	0.0004
24	5F 23478	0.5		0.0157	0.0157	0.0078	2	0.0161	0.0161	0.0080
25	5F Other	0		0.1274	0.1274	0.0000		0.1304	0.1304	0.0000
26	5F Total	0		0.1509	0.1509	0.0000		0.1545	0.1545	0.0000
27	6F 123478	0.1		0.0196	0.0196	0.0020		0.0161	0.0161	0.0016
28	6F 123678	0.1		0.0098	0.0098	0.0010		0.0080	0.0080	0.0008
29	6F 123789	0.1	2	0.0012	0.0012	0.0001	1	0.0016	0.0008	0.0001
30	6F 234678	0.1		0.0157	0.0157	0.0016		0.0140	0.0140	0.0014
31	6F Other	0		0.0145	0.0145	0.0000		-0.0016	-0.0016	0.0000
32	6F Total	0		0.0607	0.0607	0.0000		0.0381	0.0381	0.0000
33	7F 1234678	0.01		0.0176	0.0176	0.0002		0.0080	0.0080	0.0001
34	7F 1234789	0.01		0.0059	0.0059	0.0001		0.0040	0.0040	0.0000
35	7F Other	0		0.0098	0.0098	0.0000		0.0120	0.0120	0.0000
36	7F Total	0		0.0333	0.0333	0.0000		0.0241	0.0241	0.0000
37	8F	0.001	2	0.0098	0.0098	0.0000	2	0.0120	0.0120	0.0000
38	Total PCDD/PCDF			3.0918	3.0918			3.4596	3.4596	
39	TEQ		2.2	0.0361		0.0357	4.7	0.0376		0.0367

	C	D	E	F	G	H	I	J	K	L
1	**323C4**	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	0.0019	0.0009	0.0009	1	0.0019	0.0009	0.0009
6	4D Other	0		0.2793	0.2793	0.0000		0.4056	0.4056	0.0000
7	4D Total	0		0.2812	0.2812	0.0000		0.4075	0.4075	0.0000
8	5D 12378	0.5		0.0075	0.0075	0.0037		0.0093	0.0093	0.0046
9	5D Other	0		0.4424	0.4424	0.0000		0.5279	0.5279	0.0000
10	5D Total	0		0.4499	0.4499	0.0000		0.5371	0.5371	0.0000
11	6D 123478	0.1		0.0094	0.0094	0.0009		0.0074	0.0074	0.0007
12	6D 123678	0.1		0.0019	0.0019	0.0002		0.0204	0.0204	0.0020
13	6D 123789	0.1		0.0019	0.0019	0.0002		0.0167	0.0167	0.0017
14	6D Other	0		0.9430	0.9430	0.0000		1.0298	1.0298	0.0000
15	6D Total	0		0.9561	0.9561	0.0000		1.0742	1.0742	0.0000
16	7D 1234678	0.01		0.1650	0.1650	0.0016		0.1852	0.1852	0.0019
17	7D Other	0		0.2287	0.2287	0.0000		0.2593	0.2593	0.0000
18	7D Total	0		0.3937	0.3937	0.0000		0.4445	0.4445	0.0000
19	8D	0.001		0.0844	0.0844	0.0001		0.1500	0.1500	0.0002
20	4F 2378	0.1		0.1087	0.1087	0.0109		0.0926	0.0926	0.0093
21	4F Other	0		0.6787	0.6787	0.0000		0.5556	0.5556	0.0000
22	4F Total	0		0.7874	0.7874	0.0000		0.6482	0.6482	0.0000
23	5F 12378	0.05	2	0.0075	0.0075	0.0004	2	0.0074	0.0074	0.0004
24	5F 23478	0.5		0.0206	0.0206	0.0103	2	0.0167	0.0167	0.0083
25	5F Other	0		0.1500	0.1500	0.0000		0.1056	0.1056	0.0000
26	5F Total	0		0.1781	0.1781	0.0000		0.1296	0.1296	0.0000
27	6F 123478	0.1		0.0187	0.0187	0.0019	2	0.0130	0.0130	0.0013
28	6F 123678	0.1		0.0075	0.0075	0.0007		0.0074	0.0074	0.0007
29	6F 123789	0.1	2	0.0019	0.0019	0.0002	1	0.0019	0.0009	0.0001
30	6F 234678	0.1		0.0131	0.0131	0.0013	2	0.0074	0.0074	0.0007
31	6F Other	0		0.0244	0.0244	0.0000		-0.0037	-0.0037	0.0000
32	6F Total	0		0.0656	0.0656	0.0000		0.0259	0.0259	0.0000
33	7F 1234678	0.01		0.0131	0.0131	0.0001		0.0111	0.0111	0.0001
34	7F 1234789	0.01	2	0.0019	0.0019	0.0000	1	0.0037	0.0019	0.0000
35	7F Other	0		0.0019	0.0019	0.0000		0.0000		
36	7F Total	0		0.0169	0.0169	0.0000		0.0148	0.0148	0.0000
37	8F	0.001	2	0.0075	0.0075	0.0000	2	0.0130	0.0130	0.0000
38	Total PCDD/PCDF			3.2208	3.2208			3.4449	3.4449	
39	TEQ		5.4	0.0345		0.0336	6.1	0.0340		0.0330

	C	D	E	F	G	H	I	J	K	L
1	**323C5**	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	0.0006	0.0003	0.0003	1	0.0018	0.0009	0.0009
6	4D Other	0		0.1761	0.1761	0.0000		0.3974	0.3974	0.0000
7	4D Total	0		0.1767	0.1767	0.0000		0.3992	0.3992	0.0000
8	5D 12378	0.5	2	0.0074	0.0074	0.0037	2	0.0145	0.0145	0.0073
9	5D Other	0		0.0316	0.0316	0.0000		0.5843	0.5843	0.0000
10	5D Total	0		0.0391	0.0391	0.0000		0.5988	0.5988	0.0000
11	6D 123478	0.1		0.0074	0.0074	0.0007		0.0109	0.0109	0.0011
12	6D 123678	0.1		0.0186	0.0186	0.0019		0.0272	0.0272	0.0027
13	6D 123789	0.1		0.0167	0.0167	0.0017		0.0218	0.0218	0.0022
14	6D Other	0		0.8498	0.8498	0.0000		1.6277	1.6277	0.0000
15	6D Total	0		0.8926	0.8926	0.0000		1.6876	1.6876	0.0000
16	7D 1234678	0.01		0.1804	0.1804	0.0018		0.2722	0.2722	0.0027
17	7D Other	0		0.2473	0.2473	0.0000		0.3629	0.3629	0.0000
18	7D Total	0		0.4277	0.4277	0.0000		0.6351	0.6351	0.0000
19	8D	0.001		0.0911	0.0911	0.0001		0.0980	0.0980	0.0001
20	4F 2378	0.1		0.0874	0.0874	0.0087		0.1125	0.1125	0.0113
21	4F Other	0		0.4891	0.4891	0.0000		0.6496	0.6496	0.0000
22	4F Total	0		0.5765	0.5765	0.0000		0.7621	0.7621	0.0000
23	5F 12378	0.05	2	0.0056	0.0056	0.0003	2	0.0091	0.0091	0.0005
24	5F 23478	0.5	2	0.0149	0.0149	0.0074		0.0218	0.0218	0.0109
25	5F Other	0		0.0725	0.0725	0.0000		0.1506	0.1506	0.0000
26	5F Total	0		0.0930	0.0930	0.0000		0.1815	0.1815	0.0000
27	6F 123478	0.1		0.0149	0.0149	0.0015		0.0163	0.0163	0.0016
28	6F 123678	0.1		0.0056	0.0056	0.0006		0.0073	0.0073	0.0007
29	6F 123789	0.1	2	0.0007	0.0007	0.0001	1	0.0018	0.0009	0.0001
30	6F 234678	0.1		0.0130	0.0130	0.0013	2	0.0109	0.0109	0.0011
31	6F Other	0		0.0048	0.0048	0.0000		-0.0073	-0.0073	0.0000
32	6F Total	0		0.0391	0.0391	0.0000		0.0290	0.0290	0.0000
33	7F 1234678	0.01		0.0093	0.0093	0.0001		0.0109	0.0109	0.0001
34	7F 1234789	0.01	1	0.0019	0.0009	0.0000		0.0018	0.0018	0.0000
35	7F Other	0		0.0056	0.0056	0.0000		0.0073	0.0073	0.0000
36	7F Total	0		0.0167	0.0167	0.0000		0.0200	0.0200	0.0000
37	8F	0.001	2	0.0037	0.0037	0.0000	2	0.0091	0.0091	0.0000
38	Total PCDD/PCDF			2.3561	2.3561			4.4204	4.4204	
39	TEQ		1.9	0.0304		0.0302	4.5	0.0442		0.0432

	C	D	E	F	G	H	I	J	K	L
1	**323C6**	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		0.0049	0.0049	0.0049		0.0023	0.0023	0.0023
6	4D Other	0		0.4365	0.4365	0.0000		0.4084	0.4084	0.0000
7	4D Total	0		0.4414	0.4414	0.0000		0.4108	0.4108	0.0000
8	5D 12378	0.5		0.0098	0.0098	0.0049		0.0103	0.0103	0.0051
9	5D Other	0		0.4561	0.4561	0.0000		0.3748	0.3748	0.0000
10	5D Total	0		0.4659	0.4659	0.0000		0.3851	0.3851	0.0000
11	6D 123478	0.1		0.0245	0.0245	0.0025		0.0180	0.0180	0.0018
12	6D 123678	0.1		0.0466	0.0466	0.0047		0.0385	0.0385	0.0039
13	6D 123789	0.1		0.0539	0.0539	0.0054		0.0411	0.0411	0.0041
14	6D Other	0		1.7631	1.7631	0.0000		1.3658	1.3658	0.0000
15	6D Total	0		1.8882	1.8882	0.0000		1.4633	1.4633	0.0000
16	7D 1234678	0.01		0.3678	0.3678	0.0037		0.3081	0.3081	0.0031
17	7D Other	0		0.4659	0.4659	0.0000		0.4108	0.4108	0.0000
18	7D Total	0		0.8338	0.8338	0.0000		0.7188	0.7188	0.0000
19	8D	0.001		0.2232	0.2232	0.0002		0.1694	0.1694	0.0002
20	4F 2378	0.1		0.4904	0.4904	0.0490		0.4108	0.4108	0.0411
21	4F Other	0		2.4767	2.4767	0.0000		2.1565	2.1565	0.0000
22	4F Total	0		2.9672	2.9672	0.0000		2.5672	2.5672	0.0000
23	5F 12378	0.05	1	0.0515	0.0257	0.0013	1	0.0359	0.0180	0.0009
24	5F 23478	0.5		0.1030	0.1030	0.0515		0.0744	0.0744	0.0372
25	5F Other	0		0.7038	0.7038	0.0000		0.5828	0.5828	0.0000
26	5F Total	0		0.8583	0.8583	0.0000		0.6932	0.6932	0.0000
27	6F 123478	0.1		0.0368	0.0368	0.0037		0.0282	0.0282	0.0028
28	6F 123678	0.1		0.0172	0.0172	0.0017		0.0128	0.0128	0.0013
29	6F 123789	0.1		0.0022	0.0022	0.0002		0.0015	0.0015	0.0002
30	6F 234678	0.1		0.0368	0.0368	0.0037		0.0308	0.0308	0.0031
31	6F Other	0		0.1180	0.1180	0.0000		0.0934	0.0934	0.0000
32	6F Total	0		0.2109	0.2109	0.0000		0.1669	0.1669	0.0000
33	7F 1234678	0.01		0.0196	0.0196	0.0002		0.0154	0.0154	0.0002
34	7F 1234789	0.01		0.0049	0.0049	0.0000		0.0026	0.0026	0.0000
35	7F Other	0		0.0123	0.0123	0.0000		0.0103	0.0103	0.0000
36	7F Total	0		0.0368	0.0368	0.0000		0.0282	0.0282	0.0000
37	8F	0.001	1	0.0049	0.0025	0.0000	1	0.0051	0.0026	0.0000
38	Total PCDD/PCDF			7.9305	7.9280			6.6080	6.6055	
39	TEQ		1.9	0.1389		0.1376	1.7	0.1081		0.1072

	C	D	E	F	G	H	I	J	K	L
1	**323C7**	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		0.0058	0.0058	0.0058		0.0082	0.0082	0.0082
6	4D Other	0		3.7946	3.7946	0.0000		4.5345	4.5345	0.0000
7	4D Total	0		3.8003	3.8003	0.0000		4.5426	4.5426	0.0000
8	5D 12378	0.5		0.0806	0.0806	0.0403		0.1142	0.1142	0.0571
9	5D Other	0		7.6928	7.6928	0.0000		11.2288	11.2288	0.0000
10	5D Total	0		7.7734	7.7734	0.0000		11.3430	11.3430	0.0000
11	6D 123478	0.1		0.1756	0.1756	0.0176		0.2693	0.2693	0.0269
12	6D 123678	0.1		0.4319	0.4319	0.0432		0.5984	0.5984	0.0598
13	6D 123789	0.1		0.4319	0.4319	0.0432		0.5984	0.5984	0.0598
14	6D Other	0		20.2367	20.2367	0.0000		24.1576	24.1576	0.0000
15	6D Total	0		21.2760	21.2760	0.0000		25.6238	25.6238	0.0000
16	7D 1234678	0.01		3.1957	3.1957	0.0320		4.4338	4.4338	0.0443
17	7D Other	0		4.9231	4.9231	0.0000		6.3651	6.3651	0.0000
18	7D Total	0		8.1188	8.1188	0.0000		10.7990	10.7990	0.0000
19	8D	0.001		1.9577	1.9577	0.0020		3.0194	3.0194	0.0030
20	4F 2378	0.1		1.0364	1.0364	0.1036		1.2513	1.2513	0.1251
21	4F Other	0		4.6352	4.6352	0.0000		5.7123	5.7123	0.0000
22	4F Total	0		5.6717	5.6717	0.0000		6.9636	6.9636	0.0000
23	5F 12378	0.05	1	0.0605	0.0302	0.0015	1	0.0870	0.0435	0.0022
24	5F 23478	0.5		0.2159	0.2159	0.1080		0.2992	0.2992	0.1496
25	5F Other	0		2.1420	2.1420	0.0000		2.7963	2.7963	0.0000
26	5F Total	0		2.4184	2.4184	0.0000		3.1826	3.1826	0.0000
27	6F 123478	0.1		0.1641	0.1641	0.0164		0.2258	0.2258	0.0226
28	6F 123678	0.1		0.0892	0.0892	0.0089		0.1170	0.1170	0.0117
29	6F 123789	0.1		0.0202	0.0202	0.0020		0.0272	0.0272	0.0027
30	6F 234678	0.1		0.2562	0.2562	0.0256		0.3264	0.3264	0.0326
31	6F Other	0		0.5931	0.5931	0.0000		0.7453	0.7453	0.0000
32	6F Total	0		1.1228	1.1228	0.0000		1.4417	1.4417	0.0000
33	7F 1234678	0.01		0.1209	0.1209	0.0012		0.1768	0.1768	0.0018
34	7F 1234789	0.01		0.0374	0.0374	0.0004		0.0490	0.0490	0.0005
35	7F Other	0		0.0662	0.0662	0.0000		0.1006	0.1006	0.0000
36	7F Total	0		0.2246	0.2246	0.0000		0.3264	0.3264	0.0000
37	8F	0.001	1	0.0345	0.0173	0.0000	1	0.0435	0.0218	0.0000
38	Total PCDD/PCDF			52.3982	52.3810			67.2855	67.2637	
39	TEQ		0.7	0.4531		0.4516	0.7	0.6103		0.6081

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**323C9**	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		0.0433	0.0433	0.0433		0.0411	0.0411	0.0411		0.0457	0.0457	0.0457
6	5D 12378	0.5		0.3544	0.3544	0.1772		0.5348	0.5348	0.2674		0.4568	0.4568	0.2284
7	6D 123478	0.1		0.5786	0.5786	0.0579		0.7402	0.7402	0.0740		0.6852	0.6852	0.0685
8	6D 123678	0.1		1.3344	1.3344	0.1334		1.6066	1.6066	0.1607		1.2518	1.2518	0.1252
9	6D 123789	0.1		0.6147	0.6147	0.0615		0.7815	0.7815	0.0781		0.6467	0.6467	0.0647
10	7D 1234678	0.01		9.0344	9.0344	0.0903		13.5410	13.5410	0.1354		10.2776	10.2776	0.1028
11	8D	0.001		2.4938	2.4938	0.0025		3.9016	3.9016	0.0039		3.3820	3.3820	0.0034
12	4F 2378	0.1		0.4331	0.4331	0.0433		0.5348	0.5348	0.0535		0.4568	0.4568	0.0457
13	5F 12378	0.05		0.3577	0.3577	0.0179		0.4521	0.4521	0.0226		0.3272	0.3272	0.0164
14	5F 23478	0.5		1.5203	1.5203	0.7602		1.7213	1.7213	0.8607		1.2957	1.2957	0.6478
15	6F 123478	0.1		0.2669	0.2669	0.0267		0.3007	0.3007	0.0301		0.2515	0.2515	0.0251
16	6F 123678	0.1		0.4331	0.4331	0.0433		0.5348	0.5348	0.0535		0.4184	0.4184	0.0418
17	6F 123789	0.1		0.0524	0.0524	0.0052		0.0616	0.0616	0.0062		0.0473	0.0473	0.0047
18	6F 234678	0.1		0.3795	0.3795	0.0380		0.3982	0.3982	0.0398		0.2734	0.2734	0.0273
19	7F 1234678	0.01		0.3073	0.3073	0.0031		0.4108	0.4108	0.0041		2.5233	2.5233	0.0252
20	7F 1234789	0.01		0.0940	0.0940	0.0009		0.1354	0.1354	0.0014		0.0989	0.0989	0.0010
21	8F	0.001		0.0469	0.0469	0.0000		0.0616	0.0616	0.0001		0.0609	0.0609	0.0001
22	Total PCDD/PCDF							0.0000				0.0000		
23	TEQ		0.0	1.5047		1.5047	0.0	1.8324		1.8324	0.0	1.4738		1.4738

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**323B1**	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		0.0154	0.0154	0.0154		0.0074	0.0074	0.0074		0.0106	0.0106	0.0106
6	5D 12378	0.5		0.1001	0.1001	0.0501		0.1007	0.1007	0.0504		0.0664	0.0664	0.0332
7	6D 123478	0.1		0.1577	0.1577	0.0158		0.1536	0.1536	0.0154		0.0929	0.0929	0.0093
8	6D 123678	0.1		0.3349	0.3349	0.0335		0.3110	0.3110	0.0311		0.2085	0.2085	0.0208
9	6D 123789	0.1		0.1611	0.1611	0.0161		0.1573	0.1573	0.0157		0.0973	0.0973	0.0097
10	7D 1234678	0.01		2.1143	2.1143	0.0211		2.2301	2.2301	0.0223		1.3692	1.3692	0.0137
11	8D	0.001		1.4971	1.4971	0.0015		1.4000	1.4000	0.0014		0.7968	0.7968	0.0008
12	4F 2378	0.1		0.1078	0.1078	0.0108		0.1400	0.1400	0.0140		0.1233	0.1233	0.0123
13	5F 12378	0.05		0.0923	0.0923	0.0046		0.0745	0.0745	0.0037		0.0530	0.0530	0.0027
14	5F 23478	0.5		0.2000	0.2000	0.1000		0.1970	0.1970	0.0985		0.1283	0.1283	0.0641
15	6F 123478	0.1		0.0808	0.0808	0.0081		0.0745	0.0745	0.0074		0.0487	0.0487	0.0049
16	6F 123678	0.1		0.1451	0.1451	0.0145		0.0881	0.0881	0.0088		0.0620	0.0620	0.0062
17	6F 123789	0.1		0.0153	0.0153	0.0015		0.0150	0.0150	0.0015		0.0091	0.0091	0.0009
18	6F 234678	0.1		0.0825	0.0825	0.0083		0.0595	0.0595	0.0059		0.0376	0.0376	0.0038
19	7F 1234678	0.01		0.2080	0.2080	0.0021		0.1846	0.1846	0.0018		0.1063	0.1063	0.0011
20	7F 1234789	0.01		0.0290	0.0290	0.0003		0.0247	0.0247	0.0002		0.0120	0.0120	0.0001
21	8F	0.001		0.0381	0.0381	0.0000		0.0343	0.0343	0.0000		0.0173	0.0173	0.0000
22	Total PCDD/PCDF			0.0000				0.0000				0.0000		
23	TEQ		0.0	0.3037		0.3037	0.0	0.2858		0.2858	0.0	0.1942		0.1942

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**323B2**	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		0.0044	0.0044	0.0044		0.0028	0.0028	0.0028		0.0095	0.0095	0.0095
6	5D 12378	0.5		0.0222	0.0222	0.0111		0.0217	0.0217	0.0109		0.0235	0.0235	0.0118
7	6D 123478	0.1		0.0166	0.0166	0.0017		0.0162	0.0162	0.0016		0.0209	0.0209	0.0021
8	6D 123678	0.1		0.0483	0.0483	0.0048		0.0417	0.0417	0.0042		0.0550	0.0550	0.0055
9	6D 123789	0.1		0.0197	0.0197	0.0020		0.0146	0.0146	0.0015		0.0235	0.0235	0.0024
10	7D 1234678	0.01		0.2975	0.2975	0.0030		0.2625	0.2625	0.0026		0.3161	0.3161	0.0032
11	8D	0.001		0.3057	0.3057	0.0003		0.3243	0.3243	0.0003		0.2570	0.2570	0.0003
12	4F 2378	0.1		0.1283	0.1283	0.0128		0.0791	0.0791	0.0079		0.0441	0.0441	0.0044
13	5F 12378	0.05		0.0403	0.0403	0.0020		0.0459	0.0459	0.0023		0.3041	0.3041	0.0152
14	5F 23478	0.5		0.1213	0.1213	0.0607		0.1042	0.1042	0.0521		0.0771	0.0771	0.0386
15	6F 123478	0.1		0.0214	0.0214	0.0021		0.0183	0.0183	0.0018		0.0187	0.0187	0.0019
16	6F 123678	0.1		0.0194	0.0194	0.0019		0.0144	0.0144	0.0014		0.0171	0.0171	0.0017
17	6F 123789	0.1		0.0205	0.0205	0.0021		0.0180	0.0180	0.0018		0.0187	0.0187	0.0019
18	6F 234678	0.1		0.0302	0.0302	0.0030		0.0250	0.0250	0.0025		0.0276	0.0276	0.0028
19	7F 1234678	0.01		0.0403	0.0403	0.0004		0.0345	0.0345	0.0003		0.0363	0.0363	0.0004
20	7F 1234789	0.01		0.0093	0.0093	0.0001		0.0052	0.0052	0.0001		0.0106	0.0106	0.0001
21	8F	0.001		0.0081	0.0081	0.0000		0.0071	0.0071	0.0000		0.0477	0.0477	0.0000
22	Total PCDD/PCDF													
23	TEQ		0.0	0.1124		0.1124	0.0	0.0941		0.0941	0.0	0.1015		0.1015

	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	**323B3**	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		0.0035	0.0035	0.0035		0.0045	0.0045	0.0045		0.0041	0.0041	0.0041
6	4D Other	0		0.6893	0.6893	0.0000		1.7438	1.7438	0.0000		2.1606	2.1606	0.0000
7	4D Total	0		0.6928	0.6928	0.0000		1.7484	1.7484	0.0000		2.1647	2.1647	0.0000
8	5D 12378	0.5		0.0166	0.0166	0.0083		0.0301	0.0301	0.0151		0.0292	0.0292	0.0146
9	5D Other	0		1.1611	1.1611	0.0000		2.7220	2.7220	0.0000		3.0976	3.0976	0.0000
10	5D Total	0		1.1778	1.1778	0.0000		2.7521	2.7521	0.0000		3.1268	3.1268	0.0000
11	6D 123478	0.1		0.0170	0.0170	0.0017		0.0356	0.0356	0.0036		0.0378	0.0378	0.0038
12	6D 123678	0.1		0.0658	0.0658	0.0066		0.0874	0.0874	0.0087		0.0962	0.0962	0.0096
13	6D 123789	0.1		0.0211	0.0211	0.0021		0.0324	0.0324	0.0032		0.0412	0.0412	0.0041
14	6D Other	0		1.8359	1.8359	0.0000		5.0250	5.0250	0.0000		6.0097	6.0097	0.0000
15	6D Total	0		1.9398	1.9398	0.0000		5.1804	5.1804	0.0000		6.1850	6.1850	0.0000
16	7D 1234678	0.01		0.3810	0.3810	0.0038		0.4533	0.4533	0.0045		0.5498	0.5498	0.0055
17	7D Other	0		0.6928	0.6928	0.0000		0.7771	0.7771	0.0000		0.9621	0.9621	0.0000
18	7D Total	0		1.0738	1.0738	0.0000		1.2303	1.2303	0.0000		1.5119	1.5119	0.0000
19	8D	0.001		0.2875	0.2875	0.0003		0.1975	0.1975	0.0002		0.2715	0.2715	0.0003
20	4F 2378	0.1		0.0322	0.0322	0.0032		0.0249	0.0249	0.0025		0.0237	0.0237	0.0024
21	4F Other	0		2.6697	2.6697	0.0000		3.5366	3.5366	0.0000		2.8626	2.8626	0.0000
22	4F Total	0		2.7019	2.7019	0.0000		3.5615	3.5615	0.0000		2.8863	2.8863	0.0000
23	5F 12378	0.05		0.0267	0.0267	0.0013		0.0324	0.0324	0.0016		0.0344	0.0344	0.0017
24	5F 23478	0.5		0.0624	0.0624	0.0312		0.1036	0.1036	0.0518		0.0928	0.0928	0.0464
25	5F Other	0		0.7770	0.7770	0.0000		1.1591	1.1591	0.0000		1.0068	1.0068	0.0000
26	5F Total	0		0.8660	0.8660	0.0000		1.2951	1.2951	0.0000		1.1339	1.1339	0.0000
27	6F 123478	0.1		0.0208	0.0208	0.0021		0.0285	0.0285	0.0028		0.0278	0.0278	0.0028
28	6F 123678	0.1		0.0284	0.0284	0.0028		0.0356	0.0356	0.0036		0.0412	0.0412	0.0041
29	6F 123789	0.1		0.0159	0.0159	0.0016		0.0185	0.0185	0.0018		0.0199	0.0199	0.0020
30	6F 234678	0.1		0.0381	0.0381	0.0038		0.0518	0.0518	0.0052		0.0550	0.0550	0.0055
31	6F Other	0		0.1670	0.1670	0.0000		0.2542	0.2542	0.0000		0.2684	0.2684	0.0000
32	6F Total	0		0.2702	0.2702	0.0000		0.3885	0.3885	0.0000		0.4123	0.4123	0.0000
33	7F 1234678	0.01		0.0450	0.0450	0.0005		0.0421	0.0421	0.0004		0.0481	0.0481	0.0005
34	7F 1234789	0.01		0.0055	0.0055	0.0001		0.0084	0.0084	0.0001		0.0082	0.0082	0.0001
35	7F Other	0		0.0187	0.0187	0.0000		0.0240	0.0240	0.0000		0.0261	0.0261	0.0000
36	7F Total	0		0.0693	0.0693	0.0000		0.0745	0.0745	0.0000		0.0825	0.0825	0.0000
37	8F	0.001		0.0111	0.0111	0.0000		0.0172	0.0172	0.0000		0.0144	0.0144	0.0000
38	Total PCDD/PCDF			9.0903	9.0903			16.4454	16.4454			17.7894	17.7894	
39	TEQ		0.0	0.0728		0.0728	0.0	0.1097		0.1097	0.0	0.1075		0.1075

	C	D	E	F	G	H	I	J	K	L	M
1	**323B4**	I-TEF			R1				R2		
2		Wght Fact		Total	Total	TEQ		Total	Total	TEQ	
3				Full ND	1/2 ND	1/2 ND		Full ND	1/2 ND	1/2 ND	
4											
5	4D 2378	1		0.0021	0.0021	0.0021		0.0044	0.0044	0.0044	
6	4D Other	0		0.4445	0.4445	0.0000		0.8391	0.8391	0.0000	
7	4D Total	0		0.4466	0.4466	0.0000		0.8435	0.8435	0.0000	
8	5D 12378	0.5		0.0127	0.0127	0.0064		0.0176	0.0176	0.0088	
9	5D Other	0		0.8117	0.8117	0.0000		1.4494	1.4494	0.0000	
10	5D Total	0		0.8244	0.8244	0.0000		1.4670	1.4670	0.0000	
11	6D 123478	0.1		0.0148	0.0148	0.0015		0.0220	0.0220	0.0022	
12	6D 123678	0.1		0.0481	0.0481	0.0048		0.0550	0.0550	0.0055	
13	6D 123789	0.1		0.0196	0.0196	0.0020		0.0191	0.0191	0.0019	
14	6D Other	0		1.6008	1.6008	0.0000		4.3050	4.3050	0.0000	
15	6D Total	0		1.6832	1.6832	0.0000		4.4011	4.4011	0.0000	
16	7D 1234678	0.01		0.3126	0.3126	0.0031		0.4401	0.4401	0.0044	
17	7D Other	0		0.5462	0.5462	0.0000		0.7702	0.7702	0.0000	
18	7D Total	0		0.8588	0.8588	0.0000		1.2103	1.2103	0.0000	
19	8D	0.001		0.2679	0.2679	0.0003		0.2347	0.2347	0.0002	
20	4F 2378	0.1		0.0165	0.0165	0.0016		0.0440	0.0440	0.0044	
21	4F Other	0		1.3576	1.3576	0.0000		3.2568	3.2568	0.0000	
22	4F Total	0		1.3740	1.3740	0.0000		3.3008	3.3008	0.0000	
23	5F 12378	0.05		0.0227	0.0227	0.0011		0.0334	0.0334	0.0017	
24	5F 23478	0.5		0.0447	0.0447	0.0223		0.0770	0.0770	0.0385	
25	5F Other	0		0.5510	0.5510	0.0000		0.9532	0.9532	0.0000	
26	5F Total	0		0.6183	0.6183	0.0000		1.0636	1.0636	0.0000	
27	6F 123478	0.1		0.0210	0.0210	0.0021		0.0260	0.0260	0.0026	
28	6F 123678	0.1		0.0306	0.0306	0.0031		0.0323	0.0323	0.0032	
29	6F 123789	0.1		0.0120	0.0120	0.0012		0.0154	0.0154	0.0015	
30	6F 234678	0.1		0.0378	0.0378	0.0038		0.0403	0.0403	0.0040	
31	6F Other	0		0.1563	0.1563	0.0000		0.1903	0.1903	0.0000	
32	6F Total	0		0.2576	0.2576	0.0000		0.3044	0.3044	0.0000	
33	7F 1234678	0.01		0.0481	0.0481	0.0005		0.0403	0.0403	0.0004	
34	7F 1234789	0.01		0.0058	0.0058	0.0001		0.0066	0.0066	0.0001	
35	7F Other	0		0.0148	0.0148	0.0000		0.0191	0.0191	0.0000	
36	7F Total	0		0.0687	0.0687	0.0000		0.0660	0.0660	0.0000	
37	8F	0.001		0.0120	0.0120	0.0000		0.0081	0.0081	0.0000	
38	Total PCDD/PCDF			6.4116	6.4116			12.8996	12.8996		
39	TEQ		0.0	0.0558		0.0558	0.0	0.0839		0.0839	