	B	C
1	**Source Description**	
2		
3	Phase I ID No.	825
4	EPA ID No.	NYD002080034
5	Facility Name	General Electric Company, Silicones Products Division
6	Facility Location	
7	City	Waterford
8	State	NY
9	Unit ID Name/No.	Rotary Kiln Inc
10	Other Sister Facilities	
11	Number of Sister Facilities	0
12	Combustor Class	Onsite incinerator
13	Combustor Type	Rotary kiln
14	Combustor Characteristics	The incinerator unit features a 35' long x 11' dia. Rotary kiln followed by a secondary combustion chamber. Liquid waste is fed by air atomized waste nozzles. Solid wastes are fed through a drum chute.
15	Capacity (MMBtu/hr)	62 MMBtu/hr
16	Soot Blowing	
17	APCS Detailed Acronym	QC/PTWS/IWS
18	APCS General Class	WQ, LEWS, IWS
19	APCS Characteristics	Quench Chamber, Packed Tower Wet Scrubber, Two Parallel Ionizing Wet Scrubbers.
20	Hazardous Wastes	Liq, solid, sludge
21	Haz Waste Description	Non Polar Solvents(NPS): Primarily toluene 45-65%, Cl < 0.3%, Si~5.4%. POHC Mixture:Mixture of NPS waste, carbon tetrachloride, and chlorobenzene. Acid Polor Solvents(APS): Liquid mixture of water, HCl and polar solvents.Cl~5.8%, Si~1.4%. Waste Slurry:Mixture of chlorinated silanes and silicon powder,Cl~30%, Si~25%. Poly Waste:High Viscosity Siloxanes. Si ~35%, Cl~0.1%. Drummed Waste: Contaminated soil and bentonite clay (floor-dry)
22	Supplemental Fuel	Oil
23		no.2 fuel oil
24	Stack Characteristics	
25	Diameter (ft)	3.5
26	Height (ft)	100
27	Gas Velocity (ft/sec)	11.2
28	Gas Temperature (°F)	75.5
29		
30	Permitting Status	
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Condition Description**	
2		
3	**825C10**	
4		
5	Report Name/Date	Trial Burn Testing Results at Rotary Kiln Incinerator under maximum heat duty, v.1, Oct 1991
6	Report Preparation	Industrial and Environmental Analysts(IEA), Inc
7	Testing Firm	IEA
8	Testing Dates	July 9, 1991
9	Cond Dates	Jul-91
10	Condition Descr	Trial burn, maximum heat duty, maximum flow, minimum temperature, maximum ash, chlorine and metals feed.
11	Content	PM, HCl/Cl_2, CO, HC, Metals, Hexavalent Chromium, SVOC, VOC, D/F
12		
13	**825C11**	
14		
15	Report Name/Date	Report on Supplemental Trial Burn Testing, March 1996
16	Report Preparation	RMT/Four Nines
17	Testing Firm	ETS
18	Testing Dates	December 12-13, 1995
19	Cond Dates	Dec-95
20	Condition Descr	Supplemental trial burn to verify certain aspects of performance compliance.
21	Content	PM, HCl/Cl_2, CO, HC, Metals, Hexavalent Chromium
22		
23	**825C12**	*Need copy of full report; only have D/F results supplied by GE*
24		
25	Report Name/Date	
26	Report Preparation	
27	Testing Firm	
28	Testing Dates	May 1, 2001
29	Cond Dates	May-01
30	Condition Descr	Mini burn
31	Content	D/F
32		
33	**825C1**	
34		
35	Report Name/Date	GE PCB Trial Burn Report, General Electric Company Silicone Products Division Rotary Kiln Incinerator, Waterford, New York, Prepared by GE, March 18, 1994
36	Report Prepare	GE
37	Testing Firm	
38	Cond Descr	PCB Trial Burn
39	Testing Dates	June 26-30, 1984
40	Cond Dates	Jun-84

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions 1**											
2												
3												
4	**825C10**					R1		R2		R3		Cond Avg
5												
6	PM	E1	gr/dscf	y		0.0084		0.0057		0.0056		0.0066
7	CO (RA)		ppmv	n		14.0		53.0		27.0		31.3
8	HC (RA)		ppmv	n		4.5		0.5		1.8		
9	HCl		lb/dscf	n	nd	1.54E-09	nd	1.55E-09	nd	1.50E-09		
10	Cl2		lb/dscf	n		3.61E-06		2.59E-06		3.49E-06		
11												
12												
13	POHC DRE	Carbon tetrachloride										
14	POHC Feedrate		lb/hr			222		322		301		282
15	Emission Rate	E1	lb/hr			0.00273		0.00145		0.00222		0.00213
16	DRE	E1	%			99.99877		99.99955		99.99926		99.99919
17												
18	POHC DRE	Toluene										
19	POHC Feedrate		lb/hr			525		550		344		473
20	Emission Rate	E1	lb/hr			0.00001		0.00001		0.00000		0.00001
21	DRE	E1	%			99.999998		99.999998		99.999999		99.999998
22												
23	POHC DRE	Chlorobenzene										
24	POHC Feedrate		lb/hr			140		170		170		160
25	Emission Rate	E1	lb/hr			0.00404		0.00348		0.00181		0.00311
26	DRE	E1	%			99.99711		99.99795		99.99894		99.99800
27												
28	Arsenic		lb/hr			5.33E-04		8.16E-05		1.13E-04		
29	Antimony		lb/hr		nd	6.21E-04	nd	6.27E-04	nd	6.29E-04		
30	Barium		lb/hr		nd	2.98E-04	nd	2.48E-04	nd	3.77E-04		
31	Beryllium		lb/hr		nd	6.27E-05	nd	6.32E-05	nd	6.29E-05		
32	Cadmium		lb/hr		nd	5.74E-05	nd	5.79E-05		1.33E-04		
33	Chromium		lb/hr			3.29E-04	nd	1.90E-04		2.78E-04		
34	Chromium (Hex)		lb/hr			5.31E-04		5.62E-04		2.36E-04		
35	Copper		lb/hr			3.84E-02		5.66E-03		5.29E-03		
36	Lead		lb/hr			2.94E-03		2.28E-03		1.50E-03		
37	Mercury		lb/hr		nd	4.33E-04	nd	4.32E-04	nd	4.30E-04		
38	Nickel		lb/hr			4.01E-04	nd	3.79E-04		4.09E-04		
39	Selenium		lb/hr		nd	2.66E-04	nd	1.26E-04	nd	1.26E-04		
40	Silver		lb/hr			2.17E-04	nd	1.34E-04	nd	1.38E-04		
41	Thallium		lb/hr		nd	8.88E-05	nd	8.95E-05	nd	8.91E-05		
42	Zinc		lb/hr			3.70E-02		4.38E-03		4.38E-03		
43												
44												
45	Sampling Train	PM, HCl/Cl	E1									
46	Stack Gas Flowrate		dscfm			21200		20900		22400		21500
47	O2		%			13.4		13.4		13.4		13.4
48	Moisture		%									
49	Temperature		°F									
50												
51	Sampling Train	Metals	E2									
52	Stack Gas Flowrate		dscfm			21200		20900		22400		21500
53	O2		%			13.4		13.4		13.4		13.4
54	Moisture		%									
55	Temperature		°F									
56												
57	HCl	E1	ppmv	y	nd	0.030	nd	0.030	nd	0.029		0.015
58	Cl2	E1	ppmv	y		36.2		26.0		35.0		32.4
59	Total Chlorine	E1	ppmv	y		72.5		52.0		70.1		64.8
60	CO (RA)	E1	ppmv	y		25.8		97.6		49.7		57.7
61	HC (RA)	E1	ppmv	y		8.3		0.9		3.3		4.2
62												
63	Arsenic	E2	ug/dscm	y		12.38		1.92		2.48		5.6
64	Antimony	E2	ug/dscm	y	nd	14.43	nd	14.78	nd	13.83	100	14.3
65	Barium	E2	ug/dscm	y	nd	6.92	nd	5.84	nd	8.29	100	7.0
66	Beryllium	E2	ug/dscm	y	nd	1.46	nd	1.49	nd	1.38	100	1.4
67	Cadmium	E2	ug/dscm	y	nd	1.33	nd	1.36		2.92		1.9
68	Chromium	E2	ug/dscm	y		7.64	nd	4.48		6.11		6.1
69	Chromium (Hex)	E2	ug/dscm	y		12.34		13.24		5.19		10.3
70	Copper	E2	ug/dscm	y		892.13		133.38		116.32		380.6
71	Lead	E2	ug/dscm	y		68.30		53.73		32.98		51.7

	B	C	D	E	F	G	H	I	J	K	L	M
72	Mercury	E2	ug/dscm	y	nd	10.06	nd	10.18	nd	9.45	100	9.9
73	Nickel	E2	ug/dscm	y		9.32	nd	8.93		8.99		9.1
74	Selenium	E2	ug/dscm	y	nd	6.18	nd	2.97	nd	2.77	100	4.0
75	Silver	E2	ug/dscm	y		5.04	nd	3.16	nd	3.03	100	3.7
76	Thallium	E2	ug/dscm	y	nd	2.06	nd	2.11	nd	1.96	100	2.0
77	Zinc	E2	ug/dscm	y		859.60		103.22		96.31		353.0
78	SVM	E2	ug/dscm	y	1.9	69.64	2	55.10		35.91	1.7	53.55
79	LVM	E2	ug/dscm	y	6.8	21.48	19	7.89	14	9.98	11	13.1
80												
81												
82												
83												
84	**825C11**					R1		R2		R3		Cond Avg
85												
86	PM	E1	gr/dscf	y		0.050		0.083		0.075		0.0693
87	HCl		ppmv	n		1.29		3.62		1.25		2.05
88	Cl2		ppmv	n		0.81		0.85		0.07		0.58
89	CO (RA)		ppmv	n								25.0
90												
91	Arsenic		lb/hr			3.14E-05		5.01E-05		4.79E-05		4.31E-05
92	Antimony		lb/hr			9.34E-05		7.31E-05		5.72E-05		7.46E-05
93	Barium		lb/hr			1.05E-04		1.53E-05		5.29E-05		5.77E-05
94	Beryllium		lb/hr		nd	3.23E-06	nd	3.54E-06	nd	3.21E-06		3.33E-06
95	Cadmium		lb/hr			2.02E-04		2.22E-04		8.50E-05		1.70E-04
96	Chromium		lb/hr			3.82E-04		3.69E-04		9.85E-04		5.79E-04
97	Chromium (Hex)		lb/hr			8.17E-05		5.80E-04		2.94E-05		2.30E-04
98	Lead		lb/hr			4.73E-04		5.94E-04		3.35E-04		4.67E-04
99	Mercury		lb/hr		nd	9.51E-05	nd	8.57E-05	nd	9.02E-05		9.03E-05
100	Nickel		lb/hr			3.34E-04		1.05E-04		2.77E-04		2.39E-04
101	Selenium		lb/hr			4.99E-05		2.62E-05		7.07E-05		4.89E-05
102	Silver		lb/hr			6.70E-05		1.09E-05		2.29E-05		3.36E-05
103	Thallium		lb/hr		nd	7.93E-06	nd	8.25E-06	nd	7.88E-06		8.02E-06
104												
105												
106	Sampling Train	PM, HCl/Cl	E1									
107	Stack Gas Flowrate		dscfm			24026		24406		25560		24664
108	O2		%			10.8		11.0		11.0		10.9
109	Moisture		%			2.4		2.4		1.5		2.1
110	Temperature		°F			69.0		70.0		70		69.7
111												
112	Sampling Train	Metals	E2									
113	Stack Gas Flowrate		dscfm			24158		24461		25007		24542
114	O2		%			10.8		11.0		11.0		10.9
115	Moisture		%			2.4		1.4		2.1		
116	Temperature		°F			71		71		70		
117												
118	HCl	E1	ppmv	y		1.77		5.07		1.75		2.86
119	Cl2	E1	ppmv	y		1.11		1.19		0.10		0.80
120	Total Chlorine	E1	ppmv	y		3.99		7.45		1.95		4.46
121	CO (RA)	E1	ppmv	y								34.8
122												
123	Arsenic	E2	ug/dscm	y		0.48		0.77		0.72		0.7
124	Antimony	E2	ug/dscm	y		1.42		1.12		0.86		1.1
125	Barium	E2	ug/dscm	y		1.60		0.23		0.79		0.9
126	Beryllium	E2	ug/dscm	y	nd	0.05	nd	0.05	nd	0.05	100	0.1
127	Cadmium	E2	ug/dscm	y		3.07		3.40		1.27		2.6
128	Chromium	E2	ug/dscm	y		5.80		5.65		14.74		8.7
129	Chromium (Hex)	E2	ug/dscm	y		1.24		8.88		0.44		3.5
130	Lead	E2	ug/dscm	y		7.19		9.09		5.01		7.1
131	Mercury	E2	ug/dscm	y	nd	1.44	nd	1.31	nd	1.35	100	1.4
132	Nickel	E2	ug/dscm	y		5.07		1.61		4.15		3.6
133	Selenium	E2	ug/dscm	y		0.76		0.40		1.06		0.7
134	Silver	E2	ug/dscm	y		1.02		0.17		0.34		0.5
135	Thallium	E2	ug/dscm	y	nd	0.12	nd	0.13	nd	0.12	100	0.1
136	SVM	E2	ug/dscm	y		10.25		12.49		6.29		9.7
137	LVM	E2	ug/dscm	y		6.33		6.47		15.51		9.4

	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	**Stack Gas Emissions 2**													
2														
3														
4	**825C1**					R1		R2		R3		R4		Cond Avg
5														
6	PM	E1	gr/dscf	y		0.0800		0.0800		0.0700		0.0300		0.065
7	HCl	E1	ppmv	y		7.8		2.0		2.7		1.8		3.6
8														
9	Sampling Train	PM/HCl	E1											
10	Stack Gas Flowrate		dscfm			20630.0		20840.0		20040.0		19980.0		
11	O2		%			13.5		13.8		13.8		13.6		
12	Moisture		%			1.9		3.0		3.0		2.8		
13	Temperature		°F			74.0		76.0		77.0		75.0		
14														
15	PCB	DRE	%			99.99995		99.99999		99.99999		99.99996		

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1	**Feedstream 1**																							
2																								
3																								
4	**825C10**	**Trial burn**			R1		R2		R3		R1		R2		R3		R1		R2		R3		R1	
5																								
6	Feedstream Number				F1		F1		F1		F2		F2		F2		F3		F3		F3		F4	
7	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Liq HW		Slurry HW	
8	Feed Class 2																							
9	Feedstream Description				NPS Waste		NPS Waste		NPS Waste		APS Waste		APS Waste		APS Waste		POHC Mix		POHC Mix		POHC Mix		Slurry Waste	
10	Feed Rate		gpm		1.13		1.11		0.36		8.66		8.66		8.66		1.95		1.9		1.88		3.09	
11	Heating Value		Btu/lb		16500		16500		16500	nd	100	nd	100	nd	100		12000		11600		12000		6067	
12	Specific Gravity				0.88		0.87		0.86		0.99		0.99		0.99		1.04		1.04		1.05		1.39	
13	Feed Rate		lb/hr		496		482		155		4280		4280		4280		1012		986		985		2144	
14																								
15	Ash		%		3.0		2.4		2.9		0.09		0.09		0.1		1.74		1.71		1.78			
16	Chlorine		%		0.13		0.15		0.16		0.33		0.24		0.3		21.5		22.9		22.1		29.3	
17																								
18	Carbon Tetrachloride		mg/kg		7500		7500		10000		0.9		8.5		1		190000		290000		270000		1.0	
19	Toluene		mg/kg		460000		530000		460000		37		120		120		270000		270000		250000		8.3	
20	Chlorobenzene		mg/kg		7500		7500		10000		2		24		1		120000		150000		150000		1.0	
21																								
22	Arsenic		mg/kg	nd	0.0455	nd	0.0460	nd	0.0465		26.8687		23.2323		22.6263		0.04	nd	0.04	nd	0.04		3.2	
23	Antimony		mg/kg	nd	0.4545	nd	0.4598	nd	0.4651		36.6667		32.4242		22.6263	nd	0.43	nd	0.4	nd	0.4	nd	5.01	
24	Barium		mg/kg	nd	0.2727	nd	0.2759	nd	0.2791	nd	0.2424	nd	0.2424	nd	0.2424	nd	0.25	nd	0.24	nd	0.24		8.0	
25	Beryllium		mg/kg	nd	0.0455	nd	0.0460	nd	0.0465	nd	0.0404	nd	0.0404	nd	0.0404	nd	0.04	nd	0.04	nd	0.04	nd	0.180	nd
26	Cadmium		mg/kg		0.0595	nd	0.0460	nd	0.0465		0.6869		0.7343		0.7444	nd	0.04		0.05	nd	0.04	nd	0.19	
27	Chromium		mg/kg		1.1932		0.1494	nd	0.1395		9.2222		8.4646		8.1414		0.17		0.14		0.16		7.8	
28	Copper		mg/kg		2.5909		0.8552		0.5593		0.2616		0.4747		0.6636		0.32		0.85		0.82		24300	
29	Lead		mg/kg	nd	0.7273		0.7356	nd	0.7442		6.9495		6.9596		7.1616	nd	0.66	nd	0.65	nd	0.66		8.67	
30	Mercury		mg/kg	nd	0.00009		0.00009	nd	0.00009	nd	0.00007	nd	0.00010	nd	0.00008	nd	0.08	nd	0.08	nd	0.09	nd	0.080	nd
31	Nickel		mg/kg		1.3750	nd	0.2759	nd	0.2791		0.2525		0.2424		0.2606		0.26		0.39		0.44		8.8	
32	Selenium		mg/kg	nd	0.0909	nd	0.0920	nd	0.0930	nd	0.0808	nd	0.0808	nd	0.0808	nd	0.08	nd	0.08	nd	0.08		1.9	
33	Silver		mg/kg	nd	0.1364	nd	0.1379	nd	0.1395	nd	0.1212	nd	0.1212	nd	0.1212	nd	0.12	nd	0.12	nd	0.12		0.72	
34	Thallium		mg/kg	nd	0.0909	nd	0.0920	nd	0.0930	nd	0.0808	nd	0.0808	nd	0.0808	nd	0.08	nd	0.08	nd	0.08	nd	0.7	nd
35	Zinc		mg/kg		1.3864		0.5126		0.4000		0.3687		0.4222		0.4646		0.58		1.73		1.28		2813	
36																								
37																								
38	Stack Gas Flowrate		dscfm		21200		20900		22400		21200		20900		22400		21200		20900		22400		21200	
39	Oxygen		%		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4	
40																								
41	Thermal Feedrate		MMBtu/hr		8.2		8.0		2.6		0.4		0.4		0.4		12.1		11.4		11.8		13.0	
42	Estimated Firing Rate		MMBtu/hr																					
43																								
44																								
45	*Feedrate MTEC Calculations*																							
46	Ash		mg/dscm		346.0		272.7		98.6		89.5		90.8		94.1		409.2		397.5		385.7		0.0	
47	Chlorine		ug/dscm		14993		17041		5437		328124		242061		282315		5056823		5323329		4788490		14595273	
48																								
49	Arsenic		ug/dscm	100	0.52	100	0.52	100	0.16		2671.60		2343.19		2129.24	0	0.94	100	0.93	100	0.87		159.40	
50	Antimony		ug/dscm	100	5.24	100	5.22	100	1.58		3645.83		3270.27		2129.24	100	10.11	100	9.30	100	8.67	100	249.56	
51	Barium		ug/dscm	100	3.15	100	3.13	100	0.95	100	24.10	100	24.45	100	22.81	100	5.88	100	5.58	100	5.20		398.51	
52	Beryllium		ug/dscm	100	0.52	100	0.52	100	0.16	100	4.02	100	4.08	100	3.80	100	0.94	100	0.93	100	0.87	100	8.97	100
53	Cadmium		ug/dscm		0.69	100	0.52	100	0.16		68.30		74.07		70.06	100	0.94		1.16	100	0.87	100	9.46	
54	Chromium		ug/dscm		13.76		1.70	100	0.47		916.98		853.73		766.15		4.00		3.25		3.47		387.55	
55	Copper		ug/dscm		29.88		9.72		1.90		26.01		47.88		62.45		7.53		19.76		17.77		1210461.22	
56	Lead		ug/dscm	100	8.39		8.36	100	2.53		691.00		701.94		673.94	100	15.52	100	15.11	100	14.30		431.88	
57	Mercury		ug/dscm	100	0.00		0.00	100	0.00	100	0.01	100	0.01	100	0.01	100	1.88	100	1.86	100	1.95	100	3.99	100
58	Nickel		ug/dscm		15.86	100	3.13	100	0.95		25.11		24.45		24.52		6.12		9.07		9.53		438.36	
59	Selenium		ug/dscm	100	1.05	100	1.04	100	0.32	100	8.03	100	8.15	100	7.60	100	1.88	100	1.86	100	1.73		92.65	
60	Silver		ug/dscm	100	1.57	100	1.57	100	0.47	100	12.05	100	12.23	100	11.41	100	2.82	100	2.79	100	2.60		35.87	

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1	**Feedstream 1**																						
2																							
3																							
4	**825C10**	R2		R3		R1		R2		R3		R1		R2		R3		R1		R2		R3	
5																							
6	Feedstream Number	F4		F4		F5		F5		F5		F6		F6		F6		F7		F7		F7	
7	Feed Class	Slurry HW		Slurry HW		Liq HW		Liq HW		Liq HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW		Solid HW	
8	Feed Class 2																						
9	Feedstream Description	Slurry Waste		Slurry Waste		Poly Waste		Poly Waste		Poly Waste		Sand Drums		Sand Drums		Sand Drums		Soil Drums		Soil Drums		Soil Drums	
10	Feed Rate	2.99		2.96		1.38		1.98		1.86													
11	Heating Value	6133		5750		10900		10900		11000													
12	Specific Gravity	1.19		1.19		1.00		0.99		1.00													
13	Feed Rate	1776		1758		689		979		929		305		610		615		910		920		925	
14																							
15	Ash					14.3		13.8		14.2		95.9		94.6		95.6		88.7		89.9		89.9	
16	Chlorine	25.9		33.1		0.01		0.01		0.01		0.20		0.10		0.08		0.03		0.07		0.05	
17																							
18	Carbon Tetrachloride	22.4		7.2		1.0		1.5		1.0		7475		7623		7463		7648		7522		7611	
19	Toluene	17.0		2.2		1.0		1.5		1.0		5574		5705		5577		5714		5620		5697	
20	Chlorobenzene	23.7		7.2		1.0		1.5		1.0		4721		4836		4732		4846		4761		4822	
21																							
22	Arsenic	18.1		3.8	nd	0.2	nd	0.2	nd	0.2		5.12		5.07		5.21		4.95		4.57		3.72	nd
23	Antimony	9.6		5.8	nd	2.0	nd	2.0	nd	2.0	nd	1.61	nd	1.67	nd	1.63	nd	1.72	nd	1.75	nd	1.6	nd
24	Barium	8.91		8.05	nd	1.17	nd	1.17	nd	1.18		106		34.8		37.4		93.7		92.5		85	
25	Beryllium	0.2	nd	0.17	nd	0.19	nd	0.19	nd	0.2		0.64		0.58		0.66		0.75		0.92		0.85	
26	Cadmium	0.2		0.25	nd	0.19	nd	0.19	nd	0.2		0.96		0.95		0.52		0.98		0.78		1.09	
27	Chromium	12.2		6.91	nd	0.58	nd	0.58	nd	0.59		13.6		13.4		12.8		21		18.8		17.3	
28	Copper	27267		24400	nd	0.58	nd	0.58		2.65		27.5		28.1		26.1		24.5		27.4		26.9	
29	Lead	10.1		9.66	nd	3.11	nd	3.11	nd	3.14		7.15		8.58		6.84		12.8		13.1		16.2	
30	Mercury	0.080	nd	0.080	nd	0.08	nd	0.07	nd	0.08	nd	0.08	nd	0.08	nd	0.08	nd	0.1	nd	0.11	nd	0.09	nd
31	Nickel	9.2		8	nd	1.17	nd	1.18	nd	1.17		22.6		21.7		21		18.4		17.6		18.8	
32	Selenium	3.88		1.7	nd	0.4	nd	0.4	nd	0.4	nd	0.32	nd	0.33	nd	0.3	nd	0.34	nd	0.35		0.32	
33	Silver	0.7		0.8	nd	0.6	nd	0.6	nd	0.6	nd	0.53	nd	0.46	nd	0.56		0.81		0.62		0.67	nd
34	Thallium	0.7	nd	18	nd	0.4	nd	0.4	nd	0.4	nd	0.32	nd	0.33	nd	0.3	nd	0.34	nd	0.35	nd	0.32	nd
35	Zinc	3220		2840		0.96		1.67		2.48		62.8		62.7		58.1		116		92.4		88.1	
36																							
37																							
38	Stack Gas Flowrate	20900		22400		21200		20900		22400		21200		20900		22400		21200		20900		22400	
39	Oxygen	13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4		13.4	
40																							
41	Thermal Feedrate	10.9		10.1		7.5		10.7		10.2		0.0		0.0		0.0		0.0		0.0		0.0	
42	Estimated Firing Rate											51.1		50.4		54.0							
43																							
44																							
45	*Feedrate MTEC Calculati*																						
46	Ash	0.0		0.0		2288.7		3182.3		2899.1		6795.4		13599.0		12927.6		18752.6		19491.0		18284.6	
47	Chlorine	10841236		12797521		1600		2306		2042		14172		14375		10818		6342		15177		10169	
48																							
49	Arsenic	758.05		146.92	100	3.20	100	4.61	100	4.08		36.28		72.88		70.45		104.65		99.08		75.66	100
50	Antimony	401.00		222.70	100	31.69	100	45.66	100	40.83	100	11.41	100	24.01	100	22.04	100	36.36	100	37.94	100	32.54	100
51	Barium	372.96		311.24	100	18.73	100	26.98	100	24.09		751.11		500.26		505.74		1980.97		2005.47		1728.80	
52	Beryllium	8.37	100	6.57	100	3.04	100	4.38	100	4.08		4.53		8.34		8.92		15.86		19.95		17.29	
53	Cadmium	8.37		9.67	100	3.04	100	4.38	100	4.08		6.80		13.66		7.03		20.72		16.91		22.17	
54	Chromium	510.67		267.16	100	9.28	100	13.37	100	12.05		96.37		192.63		173.09		443.97		407.60		351.86	
55	Copper	1141343.60		943382.18	100	9.28	100	13.37		54.10		194.86		403.95		352.94		517.97		594.05		547.11	
56	Lead	422.77		373.49	100	49.77	100	71.72	100	64.11		50.66		123.34		92.49		270.61		284.02		329.49	
57	Mercury	3.35	100	3.09	100	1.28	100	1.61	100	1.63	100	0.57	100	1.15	100	1.08	100	2.11	100	2.38	100	1.83	100
58	Nickel	385.09		309.31	100	18.73	100	27.21	100	23.89		160.14		311.94		283.97		389.01		381.58		382.37	
59	Selenium	162.41		65.34	100	6.40	100	9.22	100	8.17	100	2.27	100	4.74	100	4.06	100	7.19	100	7.59		6.51	
60	Silver	27.63		31.32	100	9.28	100	13.37	100	11.84	100	3.76	100	6.61	100	7.57		17.12		13.44		13.63	100

	B	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
1	**Feedstream 1**																										
2																											
3																											
4	**825C10**	R1		R2		R3		R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2	
5																											
6	Feedstream Number	F8		F8		F8										F9		F9		F9		F9		F10		F10	
7	Feed Class	Solid HW		Solid HW		Solid HW										Spike		Spike		Spike		Spike		Total		Total	
8	Feed Class 2							HW		HW		HW		HW		Spike		Spike		Spike		Spike		Total		Total	
9	Feedstream Description	Floor-Dry		Floor-Dry		Floor-Dry										Spike		Spike		Spike		Spike		Total		Total	
10	Feed Rate																										
11	Heating Value																										
12	Specific Gravity																										
13	Feed Rate	1635		1836		1755																		11472		11869	
14																											
15	Ash	92.9		92.8		92.4																		24.00		27.60	
16	Chlorine	0.04		0.02		0.01																		7.80		6.22	
17																											
18	Carbon Tetrachloride	11951		12647		12644																		19602		27344	
19	Toluene	8936		9455		9453																		45623		46203	
20	Chlorobenzene	7566		8012		8006																		12504		14640	
21																											
22	Arsenic	0.16		0.42		0.50																		61.9		78.4	
23	Antimony	1.63	nd	1.56	nd	1.6																		12.2		11.0	
24	Barium	78		66.3		76.3																		2136		1921	
25	Beryllium	9.96		10.4		10.4																		150		171	
26	Cadmium	0.78		0.72		0.85																		22		23	
27	Chromium	54.2		64.2		64.9																		976		1213	
28	Copper	10.4		9.55		9.58																		1900		2064	
29	Lead	10.1		9.79		9.29																		268		301	
30	Mercury	0.08	nd	0.08	nd	0.08																		0.05		0.05	
31	Nickel	23.3		26.4		26.8																		539		657	
32	Selenium	1.61		1		1.07																		22.7		16.0	
33	Silver	0.56	nd	0.56	nd	0.57																		6.1		5.1	
34	Thallium	0.33	nd	0.31	nd	0.32																		0.27		0.27	
35	Zinc	63.8		70.6		71.2																		2171		2325	
36																											
37																											
38	Stack Gas Flowrate	21200		20900		22400										21200		20900		22400				21200		20900	
39	Oxygen	13.4		13.4		13.4										13.4		13.4		13.4				13.4		13.4	
40																											
41	Thermal Feedrate	0.0		0.0		0.0		41.3		41.4		35.1		39.3										41.3		41.4	
42	Estimated Firing Rate																							51		50	
43																											
44																											
45	*Feedrate MTEC Calculati*																										
46	Ash	35288.3		40152.0		35656.1		63970		77185		70346		70500										63969.7		77185.2	
47	Chlorine	15194		8653		2701		20032522		16464179		17899493		18132065		760604		927547		834234		840795		20793126		17391726	
48																											
49	Arsenic	6.08		18.17		19.29		2983		3297		2447		2909		13512		18619		16463		16198	0	16495	0	21916	0
50	Antimony	61.92	100	67.50	100	61.74	10	4052	5	3861	7	2519	7	3477									12	3253	6	3064	6
51	Barium	2962.85		2868.62		2944.33	1	6145	1	5807	1	5543	1	5832									0	569197	0	537305	0
52	Beryllium	378.33		449.98		401.32	4	416	4	497	3	443	4	452									0	39960	0	47839	0
53	Cadmium	29.63		31.15		32.80	10	140	3	150	3	147	5	146		5669		6213		6230		6037	0	5808	0	6363	0
54	Chromium	2058.80		2777.76		2504.42		3931		4761		4079		4257		256274		334590		299355		296740	0	260204	0	339351	0
55	Copper	395.05		413.20		369.68		1211642		1142846		944788		1099758									0	506469	0	577368	0
56	Lead	383.65		423.59		358.49	4	1901	4	2051	4	1909	4	1954		69655		82080		77028		76254	0	71556	0	84131	0
57	Mercury	3.04	100	3.46	100	3.09	100	13	100	14	100	13	100	13									100	13	100	14	100
58	Nickel	885.06		1142.25		1034.18	1	1938	1	2285	1	2069	1	2097									0	143577	0	183815	0
59	Selenium	61.16		43.27		41.29	15	181	14	238	16	135	15	185									0	6040	1	4478	1
60	Silver	21.27	100	24.23	100	22.00	49	104	60	102	55	101	55	102									3	1626	4	1414	4

	B	BV	BW	BX
1	**Feedstream 1**			
2				
3				
4	**825C10**	R3		Cond Avg
5				
6	Feedstream Number	F10		F10
7	Feed Class	Total		Total
8	Feed Class 2	Total		Total
9	Feedstream Description	Total		Total
10	Feed Rate			
11	Heating Value			
12	Specific Gravity			
13	Feed Rate	11402		11581
14				
15	Ash	28.06		
16	Chlorine	7.47		
17				
18	Carbon Tetrachloride	26439		
19	Toluene	30106		
20	Chlorobenzene	14980		
21				
22	Arsenic	75.4		
23	Antimony	10.5		
24	Barium	2070		
25	Beryllium	170		
26	Cadmium	25		
27	Chromium	1210		
28	Copper	1947		
29	Lead	315		
30	Mercury	0.05		
31	Nickel	679		
32	Selenium	16.7		
33	Silver	5.3		
34	Thallium	2.98		
35	Zinc	2289		
36				
37				
38	Stack Gas Flowrate	22400		21500
39	Oxygen	13.4		13.4
40				
41	Thermal Feedrate	35.1		39.3
42	Estimated Firing Rate	54		51.9
43				
44				
45	*Feedrate MTEC Calculati*			
46	Ash	70345.7		70500
47	Chlorine	18733727		18972860
48				
49	Arsenic	18910	0	19107
50	Antimony	2639	9	2985
51	Barium	518915	0	541806
52	Beryllium	42657	0	43485
53	Cadmium	6377	0	6182
54	Chromium	303434	0	300996
55	Copper	488132	0	523990
56	Lead	78937	0	78208
57	Mercury	13	100	13
58	Nickel	170187	0	165860
59	Selenium	4178	1	4899
60	Silver	1319	4	1453

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
61	Thallium		ug/dscm	100	1.05	100	1.04	100	0.32	100	8.03	100	8.15	100	7.60	100	1.88	100	1.86	100	1.73	100	32.88	100
62	Zinc		ug/dscm		15.99		5.82		1.36		36.66		42.58		43.73		13.64		40.22		27.73		140124.58	
63	SVM		ug/dscm		9		9		3		759		776		744		16		16		15		441	
64	LVM		ug/dscm		15		3		1		3593		3201		2899		6		5		5		556	
65																								
66																								
67																								
68	**825C11**	**Trial burn**			R1		R2		R3		R1		R2		R3		R1		R2		R3		R1	
69																								
70	Feedstream Number				F1		F1		F1		F2		F2		F2		F3		F3		F3		F4	
71	Feed Class				Liq HW		Liq HW		Liq HW		Slurry HW		Slurry HW		Slurry HW		Liq HW		Liq HW		Liq HW		Oil	
72	Feed Class 2																						MF	
73	Feedstream Description				APS Waste		APS Waste		APS Waste		Slurry Waste		Slurry Waste		Slurry Waste		Acetyl		Acetyl		Acetyl		Fuel Oil	
74	Feed Rate		lb/hr		903.21		731.98		343.11		2081		2081		2093		1510.7		1553.1		1528.3		887.0	
75	Heating Value		Btu/lb		17100		14900		16200		5800		8600		7900		5500	nd	1000		2400		19000	
76	Density		g/mL		0.88		0.86		0.89		1.12		1.12		1.13		1.07		1.1		1.11		0.86	
77																								
78	Ash		%		10.3		12.9		11.8		50.14		49.5		55.1		2.6		2.4		1.1			
79	Chlorine		%		1.5		1.1		1.0		42.3		38		40.7		36		44		35		0.03	
80																								
81	Arsenic		mg/kg	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	0.72	nd
82	Antimony		mg/kg	nd	5.8	nd	5.8	nd	5.8		9.53		6.17	nd	5.8	nd	5.8		7.5	nd	5.8	nd	5.8	nd
83	Barium		mg/kg		3.8	nd	0.8	nd	0.8		0.84	nd	0.8	nd	0.8		2.1	nd	0.8	nd	0.8		9.1	nd
84	Beryllium		mg/kg	nd	0.18	nd	0.18		0.21	nd	0.18	nd	0.18	nd	0.18	nd	0.18	nd	0.18	nd	0.18	nd	0.18	nd
85	Cadmium		mg/kg	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd	0.42	nd
86	Chromium		mg/kg	nd	1.1	nd	1.1	nd	1.1		1.37		1.47		1.1	nd	1.1	nd	1.1	nd	1.1		31.4	
87	Lead		mg/kg		0.38	nd	0.26	nd	1.3		8.6		1.52		1.97	nd	0.26	nd	1.3	nd	0.26	nd	0.26	nd
88	Mercury		mg/kg		8.0		9.8		11.4		6.77		8.8		10.43	nd	8.1	nd	10.9	nd	11.2	nd	0.1	nd
89	Nickel		mg/kg	nd	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9		19.5	nd
90	Selenium		mg/kg	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd	0.56	nd
91	Silver		mg/kg	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1	nd
92	Thallium		mg/kg	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	0.8	nd	1.4	nd
93																								
94																								
95	Stack Gas Flowrate		dscfm		24158		24461		25007		24158		24461		25007		24158		24461		25007		24158	
96	Oxygen		%		10.8		11.0		11.0		10.8		11		11		10.8		11		11		10.8	
97																								
98	Thermal Feedrate		MMBtu/hr		15.4		10.9		5.6		12.1		17.9		16.5		8.3		1.6		3.7		16.9	
99	Estimated Firing Rate		MMBtu/hr																					
100																								
101																								
102	*Feedrate MTEC Calculations*																							
103	Ash		mg/dscm		1411		1440		605		15851		15763		17254		590		560		245		0	
104	Chlorine		ug/dscm		205,809		123,215		51,359		13,372,035		12,101,179		12,751,117		8,261,631		10,457,409		8,006,842		4,042	
105																								
106	Arsenic		ug/dscm	100	15	100	12	100	6	100	35	100	35	100	34	100	25	100	26	100	25	100	10	100
107	Antimony		ug/dscm	100	80	100	65	100	30		301		196	100	182	100	133		178	100	133	100	78	100
108	Barium		ug/dscm		52	100	9	100	4		27	100	25	100	25		48	100	19	100	18		123	100
109	Beryllium		ug/dscm	100	2	100	2		1	100	6	100	6	100	6	100	4	100	4	100	4	100	2	100
110	Cadmium		ug/dscm	100	6	100	5	100	2	100	13	100	13	100	13	100	10	100	10	100	10	100	6	100
111	Chromium		ug/dscm	100	15	100	12	100	6		43		47		34	100	25	100	26	100	25		423	
112	Lead		ug/dscm		5	100	3	100	7		272		48		62	100	6	100	31	100	6	100	4	100
113	Mercury		ug/dscm		110		110		59		214		280		327	100	186	100	259	100	256	100	1	100
114	Nickel		ug/dscm	100	40	100	32	100	15	100	92	100	92	100	91	100	67	100	69	100	66		263	100
115	Selenium		ug/dscm	100	8	100	6	100	3	100	18	100	18	100	18	100	13	100	13	100	13	100	8	100
116	Silver		ug/dscm	100	15	100	12	100	6	100	35	100	35	100	34	100	25	100	26	100	25	100	15	100
117	Thallium		ug/dscm	100	11	100	9	100	4	100	25	100	25	100	25	100	18	100	19	100	18	100	19	100
118																								
119	SVM		ug/dscm		11		8		9		285		62		75		16		41		16	77	9	76
120	LVM		ug/dscm		33		27		12		84		88		75		55		57		54	3	435	71

	B	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU
61	Thallium	29.30	100	707.54	100	6.40	100	9.22	100	8.17	100	2.27	100	4.74	100	4.06	100	7.19	100	7.59	100	6.51	100
62	Zinc	134782.94		109803.50		15.36		38.51		50.63		445.00		901.33		785.66		2452.43		2003.30		1791.85	
63	SVM	431		383		53		76		68		57		137		100		291		301		352	
64	LVM	1277		421		16		22		20		137		274		252		564		527		445	
65																							
66																							
67																							
68	**825C11**	R2		R3		R1		R2		R3		R1		R2		R3		R1		R2		R3	
69																							
70	Feedstream Number	F4		F4		F5		F5		F5		F6		F6		F6							
71	Feed Class	Oil		Oil		Slurry HW		Slurry HW		Slurry HW		Solid HW		Solid HW		Solid HW							
72	Feed Class 2	MF		MF														HW		HW		HW	
73	Feedstream Description	Fuel Oil		Fuel Oil		Silane Waste		Silane Waste		Silane Waste		Drum Waste		Drum Waste		Drum Waste							
74	Feed Rate	832.0		777.1		2223.8		2151.2		1550.1		672		669		633							
75	Heating Value	19200		20500		5100		1000		9500		4985		4985		4985							
76	Density	0.87		0.83		1.2		1.2		0.9													
77																							
78	Ash					32		64		40		48.30		48.31		48.31							
79	Chlorine	0.02		0.05		51		51		37		0.70		0.70		0.70							
80																							
81	Arsenic	0.72	nd	0.72	nd	1.1	nd	1.1	nd	1.1		1.04		1.05		1.11							
82	Antimony	5.8	nd	5.8	nd	5.8		8	nd	5.8		4.32		4.33		4.42							
83	Barium	0.8	nd	0.8		1.1	nd	0.8	nd	0.8		30.51		30.49		30.49							
84	Beryllium	0.18	nd	0.18	nd	0.1	nd	0.1	nd	0.1		1.79		1.79		1.90							
85	Cadmium	0.42	nd	0.42	nd	0.4	nd	0.4	nd	0.4		0.03		0.03		0.03							
86	Chromium	0.37	nd	1.1	nd	1.1	nd	1.1	nd	1.1		12.20		12.26		12.32							
87	Lead	0.26	nd	1.3	nd	0.2	nd	1.3	nd	0.2		4.46		4.48		4.42							
88	Mercury	0.1	nd	0.1	nd	7.9	nd	11.3	nd	11.2		0.15		0.15		0.16							
89	Nickel	2.9	nd	2.9	nd	2.9	nd	2.9	nd	2.9		7.89		7.92		7.90							
90	Selenium	0.56	nd	0.56	nd	0.5	nd	0.5	nd	0.5		0.45		0.45		0.47							
91	Silver	1.1	nd	1.1	nd	1.1	nd	1.1	nd	1.1		0.89		0.90		0.95							
92	Thallium	1.4	nd	1.4	nd	0.8	nd	0.8	nd	0.8		0.60		0.60		0.63							
93																							
94																							
95	Stack Gas Flowrate	24461		25007		24158		24461		25007		24158		24461		25007							
96	Oxygen	11		11		10.8		11		11		10.8		11		11							
97																							
98	Thermal Feedrate	16.0		15.9		11.3		2.2		14.7		3.35		3.33		3.16							
99	Estimated Firing Rate																						
100																							
101																							
102	*Feedrate MTEC Calculati*																						
103	Ash	0		0		10858		21021		9298		4931		4946		4577		33642		43731		31979	
104	Chlorine	2,546		5,816		17,228,638		16,788,928		8,585,114		71,397		71,923		65,862		39139511		39542654		29460295	
105																							
106	Arsenic	9	100	8	100	37	100	36	100	26		11		11		10	91	123	91	120	90	101	91
107	Antimony	74	100	67	100	196		263	100	135		44		44		42	54	754	9	747	92	521	47
108	Barium	10	100	9		37	100	26	100	19		311		312		289	0	475	20	392	19	355	12
109	Beryllium	2	100	2	100	3	100	3	100	2		18		18		18	46	34	45	34	39	31	44
110	Cadmium	5	100	5	100	14	100	13	100	9		0		0		0	99	42	99	42	99	35	99
111	Chromium	5	100	13	100	37	100	36	100	26		125		125		117	32	245	30	247	27	208	30
112	Lead	3	100	15	100	7	100	43	100	5		46		46		42	4	335	45	171	14	121	17
113	Mercury	1	100	1	100	267	100	372	100	260		2		2		1	58	778	62	1023	57	903	59
114	Nickel	37	100	34	100	98	100	95	100	67		81		81		75	79	376	78	370	76	314	78
115	Selenium	7	100	7	100	17	100	16	100	12		5		5		4	92	60	92	58	91	49	92
116	Silver	14	100	13	100	37	100	36	100	26		9		9		9	92	121	92	119	91	100	92
117	Thallium	18	100	16	100	27	100	26	100	19		6		6		6	93	88	93	86	92	72	93
118																							
119	SVM	9	30	20		20		56		14		46		46		42	11	378	19	212	22	155	16
120	LVM	16	100	23		78		76		53		153		155		145	51	402	50	401	47	340	49

	B	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU
61	Thallium	12.54	100	13.41	100	12.35	100	72	100	75	100	748	100	299									100	72	100	75	100
62	Zinc	2423.46		3054.67		2747.53		145527		140869		115252		133883									0	578490	0	650422	0
63	SVM	413		455		391	4	2041	4	2201	4	2056	4	2099		75323		88292		83258		82291	0	77364	0	90494	0
64	LVM	2443		3246		2925	0	7330	0	8555	0	6968	0	7618		269786		353209		315818		312938	0	316660	0	409106	0
65																											
66																											
67																											
68	**825C11**	Cond Avg		R1		R2		R3		Cond Avg																	
69																											
70	Feedstream Number			F7		F7		F7		F7																	
71	Feed Class			Total		Total		Total		Total																	
72	Feed Class 2	HW		Total		Total		Total		Total																	
73	Feedstream Description			Total		Total		Total		Total																	
74	Feed Rate			8278		8018		6925		7740																	
75	Heating Value																										
76	Density																										
77																											
78	Ash																										
79	Chlorine																										
80																											
81	Arsenic																										
82	Antimony																										
83	Barium																										
84	Beryllium																										
85	Cadmium																										
86	Chromium																										
87	Lead																										
88	Mercury																										
89	Nickel																										
90	Selenium																										
91	Silver																										
92	Thallium																										
93																											
94																											
95	Stack Gas Flowrate			24158		24461		25007		24542																	
96	Oxygen			10.8		11		11		10.9																	
97																											
98	Thermal Feedrate			67.4		51.8		59.6		59.6																	
99	Estimated Firing Rate			78		78		79		78.4																	
100																											
101																											
102	*Feedrate MTEC Calculati*																										
103	Ash	36451		33642		43731		31979		36451																	
104	Chlorine	36047486		3.91E+07		3.95E+07		2.95E+07		3.61E+07																	
105																											
106	Arsenic	115	92	133	92	130	90.4	110	91	124																	
107	Antimony	674	58	832	17	821	92.9	588	52	747																	
108	Barium	407	0	598	22	402	20.7	364	12	455																	
109	Beryllium	33	50	36	49	36	42.7	33	47	35																	
110	Cadmium	40	99	48	99	47	99.2	39	99	45																	
111	Chromium	233	12	668	30	252	31.4	220	19	380																	
112	Lead	209	4.8	339	46	174	23.8	136	20	216																	
113	Mercury	901	58	779	62	1,024	57.2	904	59	902																	
114	Nickel	354	46	639	80	407	78.5	348	64	465																	
115	Selenium	56	93	67	93	66	92	56	93	63																	
116	Silver	113	93	136	93	133	92	113	93	127																	
117	Thallium	82	94	107	94	104	93.2	88	94	100																	
118																											
119	SVM	249	12	387	21	221	22	175	17	261																	
120	LVM	381	26	837	51	417	50	363	38	539																	

	B	BV	BW	BX
61	Thallium	748	100	299
62	Zinc	573885	0	600933
63	SVM	85313	0	84390
64	LVM	365000	0	363589
65				
66				
67				
68	**825C11**			
69				
70	Feedstream Number			
71	Feed Class			
72	Feed Class 2			
73	Feedstream Description			
74	Feed Rate			
75	Heating Value			
76	Density			
77				
78	Ash			
79	Chlorine			
80				
81	Arsenic			
82	Antimony			
83	Barium			
84	Beryllium			
85	Cadmium			
86	Chromium			
87	Lead			
88	Mercury			
89	Nickel			
90	Selenium			
91	Silver			
92	Thallium			
93				
94				
95	Stack Gas Flowrate			
96	Oxygen			
97				
98	Thermal Feedrate			
99	Estimated Firing Rate			
100				
101				
102	*Feedrate MTEC Calculati*			
103	Ash			
104	Chlorine			
105				
106	Arsenic			
107	Antimony			
108	Barium			
109	Beryllium			
110	Cadmium			
111	Chromium			
112	Lead			
113	Mercury			
114	Nickel			
115	Selenium			
116	Silver			
117	Thallium			
118				
119	SVM			
120	LVM			

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	**Feedstream 2**																											
2																												
3																												
4	**825C1**				R1		R2		R3		R4		R1		R2		R3		R4		R1		R2		R3		R4	
5																												
6	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2									
7	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Solid HW		Solid HW		Solid HW		Solid HW									
8	Feed Class 2																				HW		HW		HW		HW	
9	Feedstream Description				PCB Liquids		PCB Liquids		PCB Liquids		PCB Liquids		PCB Solids		PCB Solids		PCB Solids		PCB Solids									
10	Feedrate		lb/hr		2690		2308		2405		2260		656		638		632		793									
11	Heating value		Btu/lb		10400		12350		12020		11810																	
12	Thermal Feedrate		MMBtu/hr		28.0		28.5		28.9		26.7																	
13	Ash		wt %		0.01		0.03		0.02		0.02																	
14	Chlorine		ppmw		454000		371000		378000		368000		85366		86207		85443		84489									
15																												
16	Stack Gas				20630		20840		20040		19980		20630		20840		20040		19980									
17	Oxygen				13.5		13.8		13.8		13.6		13.5		13.8		13.8		13.6									
18																												
19	*Feedrate MTECs*																											
20	Ash		mg/dscm		7		17		12		11										6.5		17.3		12.5		11.4	
21	Chlorine		ug/dscm		29545670		21361203		23584293		21055970		1354795		1372078		1400908		1696265		30900466		22733281		24985202		22752236	

	B	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	**Feedstream 2**									
2										
3										
4	**825C1**	R1		R2		R3		R4		Cond Avg
5										
6	Feedstream Number	F3		F3		F3		F3		F3
7	Feed Class	Total		Total		Total		Total		Total
8	Feed Class 2	Total		Total		Total		Total		Total
9	Feedstream Description	Total		Total		Total		Total		Total
10	Feedrate									
11	Heating value									
12	Thermal Feedrate									
13	Ash									
14	Chlorine	155113		157418		214667		102109		
15										
16	Stack Gas									
17	Oxygen									
18										
19	*Feedrate MTECs*									
20	Ash	6.51		17.27		12.48		11.44		11.93
21	Chlorine	30900466		22733281		24985202		22752236		25342796

	B	C	D	E
1	**Process Information**			
2				
3	**825C10**			
4				
5				
6				
7	**825C11**			Cond Avg
8				
9	Lower Secondary Comb Chamber Temp	°C		1365
10	Upper Secondary Comb Chamber Temp	°C		1283

	C	D	E	F	G	H
1	**Process Information 2**					
2						
3	**825C1**		R1	R2	R3	R4
4						
5	Combustion Temperature	F	1742	1681	1657	1688
6	WS Temperature	F	171	174	178	178

PCDD/PCDF

N

Facility Name and ID: GE Silicones, Waterford NY, Rotary Kiln Incinerator

Condition ID: 825C10

Condition/Test Date: Trial burn maximum feedrate, minimum temperature. July 9, 1991

	I-TEF Wght Fact		Run 1 Total Full ND	Run 1 TEQ Full ND	Run 1 Total 1/2 ND	Run 1 TEQ 1/2 ND		Run 2 Total Full ND	Run 2 TEQ Full ND	Run 2 Total 1/2 ND	Run 2 TEQ 1/2 ND		Run 3 Total Full ND	Run 3 TEQ Full ND	Run 3 Total 1/2 ND	Run 3 TEQ 1/2 ND
Detected in sample volume (ng)																
2,3,7,8-TCDD	1		0.008	0.008	0.008	0.008		0.007	0.007	0.007	0.007		0.005	0.005	0.005	0.005
1,2,3,7,8-PCDD	0.5		0.008	0.004	0.008	0.004		0.006	0.003	0.006	0.003		0.004	0.002	0.004	0.002
1,2,3,4,7,8-HxCDD	0.1	nd	0.010	0.001	0.005	0.001		0.003	0.000	0.003	0.000	nd	0.005	0.001	0.003	0.000
1,2,3,6,7,8-HxCDD	0.1	nd	0.008	0.001	0.004	0.000		0.004	0.000	0.004	0.000		0.007	0.001	0.007	0.001
1,2,3,7,8,9-HxCDD	0.1	nd	0.010	0.001	0.005	0.001	nd	0.003	0.000	0.002	0.000		0.008	0.001	0.008	0.001
1,2,3,4,6,7,8-HpCDD	0.01		0.070	0.001	0.070	0.001		0.020	0.000	0.020	0.000		0.200	0.002	0.200	0.002
OCDD	0.001		1.100	0.001	1.100	0.001		0.490	0.000	0.490	0.000		1.900	0.002	1.900	0.002
2,3,7,8-TCDF	0.1		0.140	0.014	0.140	0.014		0.260	0.026	0.260	0.026		0.170	0.017	0.170	0.017
1,2,3,7,8-PCDF	0.05		0.050	0.003	0.050	0.003		0.060	0.003	0.060	0.003		0.040	0.002	0.040	0.002
2,3,4,7,8-PCDF	0.5		0.020	0.010	0.020	0.010		0.030	0.015	0.030	0.015		0.020	0.010	0.020	0.010
1,2,3,4,7,8-HxCDF	0.1		0.090	0.009	0.090	0.009		0.110	0.011	0.110	0.011		0.070	0.007	0.070	0.007
1,2,3,6,7,8-HxCDF	0.1		0.020	0.002	0.020	0.002		0.020	0.002	0.020	0.002		0.010	0.001	0.010	0.001
2,3,4,6,7,8-HxCDF	0.1		0.030	0.003	0.030	0.003		0.030	0.003	0.030	0.003		0.040	0.004	0.040	0.004
1,2,3,7,8,9-HxCDF	0.1	nd	0.020	0.002	0.010	0.001	nd	0.003	0.000	0.002	0.000	nd	0.005	0.001	0.003	0.000
1,2,3,4,6,7,8-HpCDF	0.01		0.060	0.001	0.060	0.001		0.040	0.000	0.040	0.000		0.100	0.001	0.100	0.001
1,2,3,4,7,8,9-HpCDF	0.01	nd	0.020	0.000	0.010	0.000		0.007	0.000	0.007	0.000		0.002	0.000	0.002	0.000
OCDF	0.001		0.190	0.000	0.190	0.000		0.090	0.000	0.090	0.000		0.510	0.001	0.510	0.001
Total TCDD	0		0.030	0.000	0.030	0.000		0.070	0.000	0.070	0.000		0.050	0.000	0.050	0.000
Total PCDD	0		0.020	0.000	0.020	0.000		0.030	0.000	0.030	0.000		0.040	0.000	0.040	0.000
Total HxCDD	0		0.040	0.000	0.040	0.000		0.030	0.000	0.030	0.000		0.100	0.000	0.100	0.000
Total HpCDD	0		0.120	0.000	0.120	0.000		0.040	0.000	0.040	0.000		0.360	0.000	0.360	0.000
Total TCDF	0		0.790	0.000	0.790	0.000		1.600	0.000	1.600	0.000		0.990	0.000	0.990	0.000
Total PCDF	0		0.250	0.000	0.250	0.000		0.450	0.000	0.450	0.000		0.250	0.000	0.250	0.000
Total HxCDF	0		0.150	0.000	0.150	0.000		0.230	0.000	0.230	0.000		0.180	0.000	0.180	0.000
Total HpCDF	0		0.070	0.000	0.070	0.000		0.090	0.000	0.090	0.000		0.350	0.000	0.350	0.000
Gas sample volume (dscf)				107.21	107.21	107.21			109.57	109.57	109.57			114.05	114.05	114.05
O2 (%)				10.00	10.00	10.00			10.5	10.5	10.5			10.50	10.50	10.50
PCDD/PCDF (ng in sample)				0.060	2.8	0.058			0.073	3.1	0.072			0.056	4.7	0.055
PCDD/PCDF (ng/dscm @ 7% O2)		8.3		0.025	1.16	0.024	0.8		0.031	1.34	0.031	1.8		0.023	1.95	0.023
TEQ Cond Avg	0.026															
Total Cond Avg	1.48															

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	**PCDD/PCDF**																						
2	N																						
3	Facility Name and ID:		GE Silicones, Waterford NY, Rotary Kiln Incinerator																				
4	Condition ID:		825C12																				
5	Condition/Test Date:		Mini burn. May 1, 2001																				
6																							
7			I-TEF			Run 1					Run 2					Run 3					Run 4			
8			Wght Fact		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ		Total	TEQ	Total	TEQ
9					Full ND	Full ND	1/2 ND	1/2 ND		Full ND	Full ND	1/2 ND	1/2 ND		Full ND	Full ND	1/2 ND	1/2 ND		Full ND	Full ND	1/2 ND	1/2 ND
10	Detected in sample volume (ng)																						
11		2,3,7,8-TCDD	1																				
12		1,2,3,7,8-PCDD	0.5																				
13		1,2,3,4,7,8-HxCDD	0.1																				
14		1,2,3,6,7,8-HxCDD	0.1																				
15		1,2,3,7,8,9-HxCDD	0.1																				
16		1,2,3,4,6,7,8-HpCDD	0.01																				
17		OCDD	0.001																				
18		2,3,7,8-TCDF	0.1																				
19		1,2,3,7,8-PCDF	0.05																				
20		2,3,4,7,8-PCDF	0.5																				
21		1,2,3,4,7,8-HxCDF	0.1																				
22		1,2,3,6,7,8-HxCDF	0.1																				
23		2,3,4,6,7,8-HxCDF	0.1																				
24		1,2,3,7,8,9-HxCDF	0.1																				
25		1,2,3,4,6,7,8-HpCDF	0.01																				
26		1,2,3,4,7,8,9-HpCDF	0.01																				
27		OCDF	0.001																				
28		Total TCDD	0																				
29		Total PCDD	0																				
30		Total HxCDD	0																				
31		Total HpCDD	0																				
32		Total TCDF	0																				
33		Total PCDF	0																				
34		Total HxCDF	0																				
35		Total HpCDF	0																				
36																							
37		Gas sample volume (dscf)																					
38		O2 (%)																					
39																							
40																							
41		PCDD/PCDF (ng/dscm @ 7% O2)						0.012					0.0072					0.0082						0.0404
42																							
43		TEQ Cond Avg	0.017																				
44		Total Cond Avg	0.02																				