	B	C
1	**Source Description**	
2		
3	Phase II ID No.	766
4	EPA ID No.	NYD066832023
5	Facility Name	General Electric Plastics
6	Facility Location	
7	City	Selkirk
8	State	NY
9	Unit ID Name/No.	A/P Hot Oil Heater
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Liquid-fired boiler
13	Combustor Type	Liquid-fired, process heater, hot oil
14	Combustor Characteristics	Boiler -- Hot oil heater
15	Capacity (MMBtu/hr)	180
16	Soot Blowing	Not conducted during testing, however is conducted on this boiler.
17	APCS Detailed Acronym	None
18	APCS General Class	
19	APCS Characteristics	NA
20	Hazardous Wastes	Liq
21	Haz Waste Description	Liquid waste byproducts (monomer bottoms)
22	Supplemental Fuel	Natural gas
23		Natural gas (primary); No. 2 and No. 6 may also be used as
24	Stack Characteristics	
25	Diameter (ft)	
26	Height (ft)	
27	Gas Velocity (ft/sec)	
28	Gas Temperature (°F)	300
29		
30	Permitting Status	Tier I A for metals and chlorine
31	HWC Burn Status (Date if Terminated)	

	B	C
1	**Cond Description**	
2		
3	**766C1**	
4		
5	Report Name/Date	Boiler and Industrial Furnace Compliance Test Report and Certification of Compliance - General Electric Plastics Plant, August 1998
6	Report Prepare	ENSR
7	Testing Firm	ENSR
8	Testing Dates	July 29, 1998
9	Cond Dates	Jul-98
10	Condition Descr	CoC, max HW feed rate ??
11	Content	PM, CO emissions; ash, metals, and chlorine anaysis of feedstreams

	B	C	D	E	F	G	H	I	J	K	L	M
1	**Stack Gas Emissions**											
2												
3		Comme	Units	7% O2								
4												
5												
6	**766C1**					R1		R2		R3		Cond Avg
7												
8	PM	E1	gr/dscf	y		0.0059		0.0022		0.0025		0.0035
9	CO (RA)	E1	ppmv	y		0.2		0.2		0.3		0.2
10	CO (MHRA)	E1	ppmv	y		0.2		0.3		0.3		0.3
11												
12	Sampling Train	PM	E1									
13	Stack Gas Flowrate		dscfm			19218		18052		17049		18106.3
14	O2		%			4.8		4.8		4.9		4.8
15	Moisture		%									
16	Temperature		°F			301		302		297		300.0

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1	**Feedstreams**																									
2																										
3																										
4	**766C1**				R1		R2		R3		Cond Avg		R1		R2		R3		Cond Avg		R1		R2		R3	
5																										
6	Feedstream Number				F1		F1		F1		F1		F2		F2		F2		F2		F3		F3		F3	
7	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		Process Gas		Process Gas		Process Gas		Process Gas		NG		NG		NG	
8	Feed Class 2				HW		HW		HW		HW		Non-HW		Non-HW		Non-HW		Non-HW		MF		MF		MF	
9	Feedstream Description				Haz waste		Haz waste		Haz waste		Haz waste		Process vent gas		Process vent gas		rocess vent gas		Process vent gas		Nat gas		Nat gas		Nat gas	
10	Feed Rate		g/hr		1277556		1283004		1283004		1280059															
11	Feed Rate		scf/hr										78100.0		78800.0		78700.0		78533		2700		2300		1600	
12	Thermal Feedrate		MMBtu/hr		45.31		42.96		44.65		42.9		25.0		25.2		25.2		25.1		2.7		2.3		1.6	
13	Heating Value		Btu/lb		16100		15200		15800		15200															
14	Heating Value		Btu/scf										320.0		320.0		320.0		320		1000		1000		1000	
15	Ash		g/hr		127.6		128.2		128.2		128.2															
16	Chlorine		g/hr	nd	13	nd	13	nd	13		13															
17	Antimony		g/hr	nd	10	nd	10	nd	10		10															
18	Arsenic		g/hr	nd	1	nd	1	nd	1		1															
19	Barium		g/hr	nd	1	nd	1	nd	1		1															
20	Beryllium		g/hr	nd	0.1	nd	0.1	nd	0.1		0.1															
21	Cadmium		g/hr	nd	1	nd	1	nd	1		1															
22	Chromium		g/hr	nd	1.1	nd	1.1	nd	1.1		1.1															
23	Lead		g/hr	nd	1	nd	1	nd	1		1															
24	Mercury		g/hr	nd	0.1	nd	0.1	nd	0.1		0.1															
25	Silver		g/hr	nd	1.5	nd	1.5	nd	1.5		1.5															
26	Thallium		g/hr	nd	0.5	nd	0.5	nd	0.5		0.5															
27																										
28	Stack Gas Flowrate		dscfm		19218		18052		17049		18106.3															
29	Oxygen		%		4.8		4.8		4.9		4.8															
30																										
31	Estimated Firing Rate		MMBtu/hr																							
32																										
33	*Feedrate MTEC Calculations*																									
34	Ash		mg/dscm		3.4		3.6		3.9		3.6															
35	Chlorine		ug/dscm	100	344.3	100	366.5	100	390.5	100	367.1															
36	Antimony		ug/dscm	100	264.8	100	281.9	100	300.4	100	282.4															
37	Arsenic		ug/dscm	100	26.5	100	28.2	100	30.0	100	28.2															
38	Barium		ug/dscm	100	26.5	100	28.2	100	30.0	100	28.2															
39	Beryllium		ug/dscm	100	2.6	100	2.8	100	3.0	100	2.8															
40	Cadmium		ug/dscm	100	26.5	100	28.2	100	30.0	100	28.2															
41	Chromium		ug/dscm	100	29.1	100	31.0	100	33.0	100	31.1															
42	Lead		ug/dscm	100	26.5	100	28.2	100	30.0	100	28.2															
43	Mercury		ug/dscm	100	2.6	100	2.8	100	3.0	100	2.8															
44	Silver		ug/dscm	100	39.7	100	42.3	100	45.1	100	42.4															
45	Thallium		ug/dscm	100	13.2	100	14.1	100	15.0	100	14.1															
46																										
47	SVM		ug/dscm	100	53.0	100	56.4	100	60.1	100	56.5															
48	LVM		ug/dscm	100	58.3	100	62.0	100	66.1	100	62.1															
49																										
50	**BIF Feedrate Limits**																									
51																										
52	Arsenic		g/hr								21															
53	Antimony		g/hr								2791															
54	Barium		g/hr								465116															
55	Beryllium		g/hr								39															
56	Cadmium		g/hr								52															
57	Chromium		g/hr								8															
58	Lead		g/hr								837															
59	Mercury		g/hr								744															
60	Silver		g/hr								27907															

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1	**Feedstreams**									
2										
3										
4	**766C1**	Cond Avg		R1		R2		R3		Cond Avg
5										
6	Feedstream Number	F3		F4		F4		F4		F4
7	Feed Class	NG		Total		Total		Total		Total
8	Feed Class 2	MF		Total		Total		Total		Total
9	Feedstream Descripti	Nat gas		Total		Total		Total		Total
10	Feed Rate									
11	Feed Rate	2200								
12	Thermal Feedrate	2.2		73.0		70.5		71.4		70.2
13	Heating Value									
14	Heating Value	1000								
15	Ash									128.2
16	Chlorine									13
17	Antimony									10
18	Arsenic									1
19	Barium									1
20	Beryllium									0.1
21	Cadmium									1
22	Chromium									1.1
23	Lead									1
24	Mercury									0.1
25	Silver									1.5
26	Thallium									0.5
27										
28	Stack Gas Flowrate									18106
29	Oxygen									4.8
30										
31	Estimated Firing Rate									92.9
32										
33	*Feedrate MTEC Calcu*									
34	Ash		0	3.4	0	3.6	0	3.9	0	3.6
35	Chlorine		100	344.3	100	366.5	100	390.5	100	367.1
36	Antimony		100	264.8	100	281.9	100	300.4	100	282.4
37	Arsenic		100	26.5	100	28.2	100	30.0	100	28.2
38	Barium		100	26.5	100	28.2	100	30.0	100	28.2
39	Beryllium		100	2.6	100	2.8	100	3.0	100	2.8
40	Cadmium		100	26.5	100	28.2	100	30.0	100	28.2
41	Chromium		100	29.1	100	31.0	100	33.0	100	31.1
42	Lead		100	26.5	100	28.2	100	30.0	100	28.2
43	Mercury		100	2.6	100	2.8	100	3.0	100	2.8
44	Silver		100	39.7	100	42.3	100	45.1	100	42.4
45	Thallium		100	13.2	100	14.1	100	15.0	100	14.1
46										
47	SVM		100	53.0	100	56.4	100	60.1	100	56.5
48	LVM		100	58.3	100	62.0	100	66.1	100	62.1
49										
50	**BIF Feedrate Limits**									
51										
52	Arsenic									
53	Antimony									
54	Barium									
55	Beryllium									
56	Cadmium									
57	Chromium									
58	Lead									
59	Mercury									
60	Silver									

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
61	Thallium		g/hr								4651															
62	Chlorine		g/hr								3721															

	B	AB	AC	AD	AE	AF	AG	AH	AI	AJ
61	Thallium									
62	Chlorine									

	A	B	C
1	**Process Information**		
2			Cond Avg
3	**766C1**		
4			
5	Boiler Operating Load	%	40