

US EPA ARCHIVE DOCUMENT

	A	B
1	Source Description	
2		
3	Phase II ID No.	765
4	EPA ID No.	IND006376362
5	Facility Name	GE Plastics, Mt. Vernon IN Facility
6	Facility Location	
7	City	Mount Vernon
8	State	IN
9	Unit ID Name/No.	Boiler H530B (Unit 2)
10	Other Sister Facilities	None
11	Combustor	Liquid-fired boiler
12	Combustor Characteristics	Watertube boiler. Babcock & Wilcox Model 103-88 boiler, 70,000 lb/hr steam @ 195 psig
13	Capacity (MMBtu/hr)	75
14	Soot Blowing	Yes, 5 min per day
15	APCS	None
16	APCS Characteristics	NA
17	Hazardous Wastes	Liq
18	Haz Waste Description	Liq wastes -- benzene byproduct, phenol distillation tar
19	Supplemental Fuel	Natural gas
20		
21	Stack Characteristics	#764 and #765 boilers have a common stack
22	Diameter (ft)	5
23	Height (ft)	118
24	Gas Velocity (ft/sec)	63.7
25	Gas Temperature (°F)	529
26		
27	Permitting Status	Tier I Adjusted for all metals, chlorine
28	HWC Burn Status (Date if Terminated)	

	A	B
1	Cond Description	
2		
3	765C1	
4		
5	Report Name/Date	Revised Recertification of Compliance of BIF Boilers H530A and H530B, GE Plastics Mt. Vernon Facility, February 1998
6	Report Prepare	Airtech Environmental Services, Inc.
7	Testing Firm	Planet Air Group
8	Testing Dates	February 12, 1998
9	Cond Dates	Feb-98
10	Condition Descr	CoC, max waste and ash feed
11	Content	PM, CO

	B	C	D	E	F	G	H	I	J	K	L	M
1	Stack Gas Emissions											
2												
3		Comments	Units	7% O2		1		2		3		Avg.
4										Sootblowing		
5	Condition 1											
6												
7	PM		gr/dscf	y		0.0292		0.034		0.0411		0.0348
8	CO (RA)		ppmv	y		13.9		12.7		12.8		13.1
9	CO (MHRA)		ppmv	y		17.9		13.3		13.2		14.8

	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	Feedstreams																							
2																								
3	765C1																							
4																								
5	Feedstream Description																							
6	Feed Rate																							
7	Feed Rate																							
8	Heating Value																							
9	Thermal Feedrate																							
10	Ash																							
11	(Ash)																							
12	Chlorine																							
13	Antimony																							
14	Arsenic																							
15	Barium																							
16	Beryllium																							
17	Cadmium																							
18	Chromium																							
19	Lead																							
20	Mercury																							
21	Silver																							
22	Thallium																							
23																								
24	Stack Gas Flowrate																							
25	Oxygen																							
26	Flowrate and oxygen estimated based on total firing rate																							
27																								
28	Thermal Feedrate																							
29																								
30	<i>Feedrate MTEC Calculations</i>																							
31	Ash																							
32	Ash																							
33	Chlorine																							
34	Antimony																							
35	Arsenic																							
36	Barium																							
37	Beryllium																							
38	Cadmium																							
39	Chromium																							
40	Lead																							
41	Mercury																							
42	Silver																							
43	Thallium																							
44	SVM																							
45	LVM																							
46																								
47	BIF Feedrate Limits																							
48																								
49	Antimony																							
50	Arsenic																							
51	Barium																							
52	Beryllium																							
53	Cadmium																							
54	Chromium																							
55	Lead																							
56	Mercury																							
57	Silver																							
58	Thallium																							
59	Chlorine																							

	B	Z	AA	AB
1	Feedstreams			
2				
3	765C1	R3		Cond Avg
4				
5	Feedstream Description		Total	Total
6	Feed Rate			
7	Feed Rate			
8	Heating Value			
9	Thermal Feedrate			
10	Ash			
11	(Ash)			
12	Chlorine			
13	Antimony			
14	Arsenic			
15	Barium			
16	Beryllium			
17	Cadmium			
18	Chromium			
19	Lead			
20	Mercury			
21	Silver			
22	Thallium			
23				
24	Stack Gas Flowrate			
25	Oxygen			
26	Flowrate and oxygen estim			
27				
28	Thermal Feedrate			72.4
29				
30	<i>Feedrate MTEC Calculatio</i>			
31	Ash		79.2	77.6
32	Ash			
33	Chlorine		3300.2	3283.3
34	Antimony			
35	Arsenic			
36	Barium			
37	Beryllium			
38	Cadmium			
39	Chromium			
40	Lead			
41	Mercury		0.7	0.7
42	Silver			
43	Thallium			
44	SVM		1.6	1.6
45	LVM		83.8	83.0
46				
47	BIF Feedrate Limits			
48				
49	Antimony			
50	Arsenic			
51	Barium			
52	Beryllium			
53	Cadmium			
54	Chromium			
55	Lead			
56	Mercury			
57	Silver			
58	Thallium			
59	Chlorine			