

US EPA ARCHIVE DOCUMENT

	B	C
1	<b>Source Description</b>	
2		
3	Phase II ID No.	743
4	EPA ID No.	TXD010797389
5	Facility Name	Schenectady International
6	Facility Location	
7	City	Freeport
8	State	TX
9	Unit ID Name/No.	B-503
10	Other Sister Facilities	None
11	Number of Sister Facilities	0
12	Combustor Class	Liquid-fired boiler
13	Combustor Type	Liquid-fired
14	Combustor Characteristics	
15	Capacity (MMBtu/hr)	30
16	Soot Blowing	?
17	APCS Detailed Acronym	None
18	APCS General Class	
19	APCS Characteristics	
20	Hazardous Wastes	?
21	Haz Waste Description	?
22	Supplemental Fuel	Natural Gas
23		
24	Stack Characteristics	
25	Diameter (ft)	2.02
26	Height (ft)	
27	Gas Velocity (ft/sec)	
28	Gas Temperature (°F)	380
29		
30	Permitting Status	Tier I metals, chlorine
	HWC Burn Status (Date if	
31	Terminated)	

	B	C
1	<b>Cond Description</b>	
2		
3	<b>743C10</b>	
4		
5	Report Name/Date	Source Emissions Survey for Schenectady International B-503, File # 96-99; no date reported
6	Report Prepare	METCO Environmental
7	Testing Firm	METCO Environmental
8	Testing Dates	July 1-3, 1996
9	Cond Dates	Jul-96
10	Condition Descr	CoC; ?
11	Content	PM, CO; metals and chlorine in feedstreams

	B	C	D	E	F	G	H	I	J	K	L	M	N
1	<b>Stack Gas Emissions</b>												
2													
3		Comm	Units	7%	O2								
4													
5													
6	<b>743C10</b>					R1	R2	R3		Cond Avg			
7													
8	PM	E1	gr/dscf	y		0.0014	0.0009	0.0009		0.0011	(front half)		
9	PM (total)	E1	gr/dscf	y		0.0023	0.0022	0.0015		0.0020	(total)		
10	CO (RA)	E1	ppmv	y		0.1	0.1	0.1		0.1			
11													
12	Sampling Train	PM	E1										
13	Stack Gas Flowrate		dscfm			4334	4329	4317		4327			
14	O2		%			6.8	6.3	5.6		6			
15	Moisture		%			13.67	16.62	14.13		15			
16	Temperature		°F			379	380	381		380			

	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	<b>Feedstreams</b>														
2															
3	<b>743C10</b>				R1		R2		R3		Cond Avg		Cond Avg		Cond Avg
4															
5	Feedstream Number				F1		F1		F1		F1		F2		F3
6	Feed Class				Liq HW		Liq HW		Liq HW		Liq HW		NG		Total
7	Feed Class 2				HW		HW		HW		HW		MF		Total
8	Feedstream Description				Waste		Waste		Waste		Waste		Nat Gas		Total
9	Feed Rate		lb/hr		472		515		539		509		664.0		
10	Heating Value		Btu/lb		17612		17474		17560		17548		23350		
11	Ash		lb/hr	nd	0.004718	nd	0.005152	nd	0.005388						
12	Chlorine		lb/hr		0.020477		0.029368		0.036365						
13	Arsenic		lb/hr	nd	0.000029	nd	0.000119	nd	0.000033						
14	Silver		lb/hr	nd	0.000000	nd	0.000001	nd	0.000001						
15	Barium		lb/hr	nd	0.000009	nd	0.000011	nd	0.000011						
16	Beryllium		lb/hr	nd	0.000009	nd	0.000011	nd	0.000011						
17	Cadmium		lb/hr	nd	0.000009	nd	0.000011	nd	0.000011						
18	Chromium		lb/hr	nd	0.000009	nd	0.000031	nd	0.000011						
19	Lead		lb/hr		0.000044		0.000093	nd	0.000011						
20	Mercury		lb/hr	nd	0.000095	nd	0.000104	nd	0.000108						
21	Antimony		lb/hr		0.000046		0.000108	nd	0.000033						
22	Thallium		lb/hr	nd	0.000046	nd	0.000051	nd	0.000053						
23															
24	Stack Gas Flowrate		dscfm		4334		4329		4317		4326.7				
25	Oxygen		%		6.8		6.3		5.6		6.2				
26															
27	Thermal Feedrate		MMBtu/hr		8.3		9.0		9.5		8.9		15.5		24.4
28	Estimated Firing Rate		MMBtu/hr												20.3
29															
30	<i>Feedrate MTEC Calculations</i>														
31	Ash		mg/dscm	100	0.3	100	0.3	100	0.3	100	0.3		100		0.3
32	Chlorine		µg/dscm		1245.4		1727.5		2972.9	0	1981.9		0		1981.9
33	Arsenic		µg/dscm	100	1.7	100	7.0	100	8.7	100	5.8		100		5.8
34	Silver		µg/dscm	100	0.0	100	0.0	100	0.1	100	0.0		100		0.04
35	Barium		µg/dscm	100	0.5	100	0.6	100	1.2	100	0.8		100		0.79
36	Beryllium		µg/dscm	100	0.5	100	0.6	100	1.2	100	0.8		100		0.79
37	Cadmium		µg/dscm	100	0.5	100	0.6	100	1.2	100	0.8		100		0.79
38	Chromium		µg/dscm	100	0.5	100	1.8	100	2.4	100	1.6		100		1.57
39	Lead		µg/dscm		2.7		5.4	100	8.1	50	5.4		50		5.42
40	Mercury		µg/dscm	100	5.8	100	6.1	100	11.9	100	7.9		100		7.91
41	Antimony		µg/dscm		2.8		6.4	100	9.2	50	6.1		50		6.11
42	Thallium		µg/dscm	100	2.8	100	3.0	100	5.8	100	3.9		100		3.87
43															
44	SVM		µg/dscm	17	3.2	11	6.1	100	9.3	56	6.2		56		6.2
45	LVM		µg/dscm	100	2.8	100	9.5	100	12.3	100	8.2		100		8.2

	A	B	C	D	E
1	<b>Process Information</b>				
2					
3	<b>743C10</b>		Run 1	Run 2	Run 3
4					
5	nothing reported				