

US EPA ARCHIVE DOCUMENT

	B	C
1	<b>Source Description</b>	
2		
3	Phase II ID No.	2007
4	EPA ID No.	KSD007237746
5	Facility Name	Air Products Manufacturing Corp.
6	Facility Location	
7	City	Wichita
8	State	KS
9	Unit ID Name/No.	COEN boiler
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	12.4 MMBtu/hr firing rate
15	Capacity (MMBtu/hr)	12.4
16	Soot Blowing	
17	APCS Detailed Acronym	None
18	APCS General Class	
19	APCS Characteristics	NA
20	Hazardous Wastes	Liq
21	Haz Waste Description	Liquid wastes
22	Supplemental Fuel	Natural gas
23		
24	Stack Characteristics	
25	Diameter (ft)	2.5
26	Height (ft)	At least 70
27	Gas Velocity (ft/sec)	
28	Gas Temperature (°F)	
29		
30	Permitting Status	Tier I metals, chlorine, low risk waste exemption (no PM compliance)
31	HWC Burn Status (Date if Terminated)	

	B	C
1	<b>Cond Description</b>	
2		
3	<b>2007C1</b>	
4		
5	Report Name/Date	Recertification of Compliance for the COEN Waste Fuel Boiler, November 6, 1998
6	Report Prepare	Air Products Manufacturing Corp
7	Testing Firm	Entropy Inc.
8	Testing Dates	September 14, 1998
9	Cond Dates	Sep-98
10	Condition Descr	CoC, max waste, ash feed, min comb temp
11	Content	CO in stack gas; metals/chlorine/ash in feeds

	B	C	D	E	F	G	H	I	J	K	L	M
1	<b>Stack Gas Emissions</b>											
2												
3		Comments	Units	7% O2								
4												
5	<b>2007C1</b>					R1	R2	R3			Cond Avg	
6												
7	CO (RA)	E1	ppmv	y		6.4	5.3	4.4			5.4	
8	CO (MHRA)	E1	ppmv	y		7	6	6			6.3	
9												
10	Sampling Train	CO		E1								
11	Stack Gas Flowrate			dscfm								
12	O2			%		14	14	14			14.0	
13	Moisture			%								
14	Temperature			°F								

		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
1	<b>Feedstreams</b>																											
2																												
3																												
4	<b>2007C1</b>																											
5	Feedstream Number																											
6	Feed Class																											
7	Feed Class 2																											
8	Feedstream Description																											
9	Feed Rate	scfh																										
10	Feed Rate	g/hr																										
11	Thermal Feedrate	MMBtu/hr																										
12	Heating Value	Btu/lb																										
13	Ash	g/hr																										
14	Chlorine	g/hr																										
15	Antimony	g/hr																										
16	Arsenic	g/hr																										
17	Barium	g/hr																										
18	Beryllium	g/hr																										
19	Cadmium	g/hr																										
20	Chromium	g/hr																										
21	Lead	g/hr																										
22	Mercury	g/hr																										
23	Nickel	g/hr																										
24	Selenium	g/hr																										
25	Silver	g/hr																										
26	Thallium	g/hr																										
27	Oxygen	%																										
28	Stack Gas Flowrate	dscfm																										
29	(estimated based on firing rate and O2 and F-factor)																											
30	<b>Feedrate MTEC Calculations</b>																											
31	Ash	mg/dscfm																										
32	Chlorine	ug/dscfm																										
33	Antimony	ug/dscfm																										
34	Arsenic	ug/dscfm																										
35	Barium	ug/dscfm																										
36	Beryllium	ug/dscfm																										
37	Cadmium	ug/dscfm																										
38	Chromium	ug/dscfm																										
39	Lead	ug/dscfm																										
40	Mercury	ug/dscfm																										
41	Nickel	ug/dscfm																										
42	Selenium	ug/dscfm																										
43	Silver	ug/dscfm																										
44	Thallium	ug/dscfm																										
45	SVM	ug/dscfm																										
46	LVM	ug/dscfm																										
47	<b>BIF Feedrate Limits</b>																											
48	Chlorine	g/hr																										
49	Arsenic	g/hr																										
50	Mercury	g/hr																										
51	Silver	g/hr																										
52	Barium	g/hr																										
53	Beryllium	g/hr																										
54	Cadmium	g/hr																										
55	Chromium	g/hr																										

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	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	
61	Nickel																											
62	Lead		g/hr																									
63	Antimony		g/hr																									
64	Thallium		g/hr																									
65	Selenium		g/hr																									
66																												
67	max indiv / max feeding all 4																											

	A	B	C
1	<b>Process Information</b>		
2			
3	Cond Avg		
4	<b>2007C1</b>		
5			
6	Comb Chamber Temp	°F	1525