

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6186

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u> lbs/hr    TPY	
9,10	Granulation Separators	PM <sub>10</sub> (a)	0.15	0.19
11	Glatt Dust Collector	PM <sub>10</sub> (b)	0.32	0.40
12	Processor	PM <sub>10</sub> (a)	0.20	0.88
13	Processor	PM <sub>10</sub> (a)	0.20	0.88
14	Processor	PM <sub>10</sub> (a)	0.20	0.88
22	Manufacturing Dust Collector No. 1	PM <sub>10</sub> (b)	0.21	0.27
31, 32	Boiler No. 1, No. 2	PM <sub>10</sub>	0.19	0.22
		NO <sub>x</sub>	1.90	7.50
		CO		0.47
			1.90	
		SO <sub>2</sub>	6.70	2.50
		SO <sub>3</sub>	0.10	0.03
		VOC	0.034	0.14
		Methane	0.036	0.15
33	Printer Stack No. 1	VOC(d)	1.53	2.90
34	Printer Stack No. 2 0	VOC(d)	1.15	2.2
35	Printer Stack No. 3	VOC(d)	1.15	2.20
36	House Vacuum	PM <sub>10</sub> (b)	0.10	0.43
37	Laboratory Hood	H <sub>2</sub> S	0.04	3.50(lb)

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			lbs/hr	TPY
38	Majors Area Ultrasonic Cleaner	Isopropanol VOC	0.25	0.13
		Trichloroethane	5.20	1.56
39	Safety Clean	Mineral Spirits	0.39	0.08
40	Solvent Cabinet(4)	Isopropanol VOC		<0.01
		Trichloroethane	<0.01 0.004	0.001
41	Cooling Tower(4)	Chlorine		0.083
50	Rotogranulator No. 3	PM <sub>10</sub> (c)		0.10
51	Thermal Oxidizer	PM <sub>10</sub>		0.015
		NO <sub>x</sub>		0.70
		CO		0.18
			0.24	
		SO <sub>2</sub>		0.003
		VOC		0.014
		Acetone VOC		1.10
		Methanol VOC		0.30
		Methane		0.015
				0.02
52	Solvent Prep Room	Acetone VOC		0.21
		Methanol VOC		0.05
53	Manufacturing Dust Collector No. 2	PM <sub>10</sub> (c)		0.09
54	Mixing Tank Vent	Acetone VOC		1.11
		Methanol VOC		0.17
71	Storage Tank T-1	Methanol VOC		1.20
72	Storage Tank T-2	Acetone VOC		4.23
74	Coating Pan No. 1	PM <sub>10</sub> (b)		0.034

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			lbs/hr	TPY
75	Coating Pan No. 2	PM <sub>10</sub> (b)	0.034	0.04
76	Coating Pan No. 3	PM <sub>10</sub> (b)	0.034	0.04
77	Coating Pan No. 4	PM <sub>10</sub> (b)	0.034	0.04
78	Coating Pan No. 5	PM <sub>10</sub> (b)	0.034	0.04
79	Coating Pan No. 6	PM <sub>10</sub> (b)	0.034	0.04
80	Coating Pan No. 7	PM <sub>10</sub> (b)	0.034	0.04
81	Coating Pan No. 8	PM <sub>10</sub> (b)	0.034	0.04
82	Coating Pan No. 9	PM <sub>10</sub> (b)	0.034	0.04
83	Coating Pan No. 10	PM <sub>10</sub> (b)	0.034	0.04
F1	Storage Tanks(4)	Methanol VOC	0.161	0.71
		Acetone VOC	0.161	0.71
F2	Chlorine Storage(4)	Chlorine	0.005	0.023

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name. For fugitive sources use area name or fugitive source name.

(3) PM - particulate matter

PM<sub>10</sub> - PM less than 10 microns

PM<sub>10</sub>(a) - PM<sub>10</sub> consisting mainly of acetaminophen, cellulose, and starch

PM<sub>10</sub>(b) - PM<sub>10</sub> consisting mainly of acetaminophen, calcium carbonate, magnesium carbonate, cellulose, and starch

PM<sub>10</sub>(c) - PM<sub>10</sub> consisting mainly of acetaminophen, cellulose, sugar, and ibuprofen

NO<sub>x</sub> - total oxides of nitrogen

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

SO<sub>3</sub> - sulfur trioxide

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			lbs/hr	TPY
	VOC	- volatile organic compounds as defined in General Rule 101.1		
	VOC(d)	- VOC consisting of butyl alcohol, ethyl alcohol, methyl alcohol, and isopropyl alcohol		
	H <sub>2</sub> S	- hydrogen sulfide		
(4)	Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.			

- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Emission rates are based on and the facilities are limited by the attached maximum production rates of 6 billion consumption units per year and the attached table entitled "Production Compliance Table."

Dated\_\_\_\_\_