

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)	Emission Rates	
			lb/hr	TPY
9, 10	Granulation Separators	TSP	0.15	0.19
		PM ₁₀	0.15	0.19
11	Glatt Dust Collector	TSP	0.32	0.40
		PM ₁₀	0.32	0.40
12	Granulator	TSP	0.20	0.88
		PM ₁₀	0.20	0.88
13	Granulator	TSP	0.20	0.88
		PM ₁₀	0.20	0.88
14	Granulator	TSP	0.20	0.88
		PM ₁₀	0.20	0.88
22	Manufacturing Dust Collector No. 1	TSP	0.21	0.27
		PM ₁₀	0.21	0.27
31, 32	Boiler No. 1 and 2	TSP	0.19	0.22
		PM ₁₀	0.19	0.22
		NO _x	1.90	7.50
		CO	0.47	1.90
		SO ₂	6.70	2.50
		SO ₃	0.10	0.03
		VOC	0.04	0.14
33	Printer Stack No. 1	VOC(d)	1.53	2.90
34	Printer Stack No. 2	VOC(d)	1.15	2.20

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			lb/hr	TPY
35	Printer Stack No. 3	VOC(d)	1.15	2.20
36	House Vacuum	TSP	0.10	0.43
		PM ₁₀	0.10	0.43
37	Laboratory Hood	H ₂ S	0.04	<0.01
38	Majors Area Ultrasonic Cleaner	VOC	0.45	0.18
39	Safety KLEEN	Mineral Spirits	0.39	0.08
40	Solvent Cabinet (4)	Isopropanol	<0.01	0.001
		Trichloroethane	<0.01	0.004
41	Cooling Tower(4)	Chlorine	0.09	0.03
50	Rotor Granulator No. 1	TSP	0.10	0.25
		PM ₁₀	0.10	0.25
51	Thermal Oxidizer	TSP	0.07	0.15
		PM ₁₀	0.07	0.15
		NO _x	0.70	2.10
		CO	0.18	0.53
		SO ₂	<0.01	0.01
		VOC	0.02	0.04
		Acetone	10.50	8.34
		Methanol	2.20	1.94
52	Solvent Prep Room	Acetone	0.66	2.89
		Methanol	0.17	0.72
53	Manufacturing Dust Collector No. 2	TSP	0.09	0.15
		PM ₁₀	0.09	0.15
54	Mixing Tank No. 1 Vent	Acetone	1.11	1.31

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			lb/hr	TPY
		Methanol	0.17	0.16
102	Mixing Tank No. 2 Vent	Acetone	1.11	**
		Methanol	0.17	**
103	Mixing Tank No. 3 Vent	Acetone	1.11	**
		Methanol	0.17	**
71	Storage Tank T-1	Methanol	1.20	0.06
72	Storage Tank T-2	Acetone	4.23	0.37
74	Coating Pan No. 1	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
75	Coating Pan No. 2	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
76	Coating Pan No. 3	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
77	Coating Pan No. 4	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
78	Coating Pan No. 5	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
79	Coating Pan No. 6	TSP	0.034	0.04
		PM ₁₀	0.034	0.04
100	Rotor Granulator No. 2	TSP	0.10	0.25
		PM ₁₀	0.10	0.25
101	Thermal Oxidizer	TSP	0.07	0.15
		PM ₁₀	0.07	0.15

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			lb/hr	TPY
		NO _x 0.70	2.10	
		CO	0.18	0.53
		SO ₂ <0.01	0.01	
		VOC	0.02	0.04
		Acetone	10.50	8.34
		Methanol	2.20	1.94
F1	Storage Tanks(4)	Methanol	0.28	1.24
		Acetone	0.28	1.24

F2 Chlorine Storage(4) Chlorine 0.005 0.03

(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) PM₁₀ - particulate matter less than 10 microns
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 SO₃ - sulfur trioxide
 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
 H₂S - hydrogen sulfide
 Mineral spirits - petroleum spirits (CAS 8030-30-6)

(4) Fugitive emissions are an estimate.

* 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

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Hrs/year 8,760

** Annual emission rates for Emission Point Nos. (EPNs) 54, 102, and 103 are combined into EPN 54.

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

Dated_____