

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20625

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>	
			<u>lb/hr</u>	<u>TPY</u>
1	Railcar Vent	VOC	0.002	0.001
4	Aerator Vent	VOC	0.057	0.050
		TCA	0.11	0.488
5	Aerator Vent	VOC	0.052	0.046
		TCA	0.115	0.51
20	Vent	TCA	0.571	1.5
21	Vent	TCA	0.571	1.5
22	Lab Vent	VOC	0.001	0.001
		NO _x	0.004	0.003
		HCl	0.001	0.001
23	Lab Vent	VOC	0.001	0.001
		NO _x	0.004	0.003
		HCl	0.001	0.001
25	Crusher Vent	VOC	0.046	0.028
		TCA	0.005	0.103
27	Chemical Vent	VOC	1.617	0.01
		TCA	0.004	0.001
30	Feed Tank Vent	VOC	0.28	0.028

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			lb/hr	TPY
		TCA	0.029	0.003
31	Barite Vent	PM/PM ₁₀	0.265	0.027
		TCA	0.004	0.001
		VOC	0.003	0.001
34	Vent	VOC	0.028	0.001
		TCA	0.029	1.5
39	Automotive Vent	VOC	0.018	0.02
40	Vent	VOC	0.029	0.001
		TCA	0.029	1.5
42	Glue Roller Vent	VOC	0.108	0.027
		TCA	4.715	3.357
43 **	Pouring Vent	VOC	360.41	37.26
		TCA	0.007	0.004
44	Vent	VOC	0.029	0.001
		TCA	0.029	1.5
47	Hot Oil Vent	VOC	0.002	0.004
		TCA	0.001	0.001
		O ₃	0.091	0.182
		NO _x	0.001	0.001
48 **	Pouring Vent	VOC	300.22	42.78
		TCA	0.01	0.006
50	Vent	VOC	0.029	0.001
		TCA	0.029	1.5
51	Vent	VOC	0.009	0.007
		TCA	0.009	2.007
52	Vent	VOC	0.009	0.007
		TCA	0.009	2.007

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			lb/hr	TPY
54 **	Pouring Vent	VOC	80.02	6.46
		TCA	0.02	0.009
57	Vent	VOC	0.049	0.074
		TCA	0.049	4.073
60	Vent	VOC	0.009	0.007
		TCA	0.009	2.007
61	Blade Vent	VOC	0.004	0.001
		TCA	0.004	0.001
62	Blade Vent	VOC	0.004	0.001
		TCA	0.004	0.001
64	Vent	VOC	0.049	0.074
		TCA	0.049	4.073
65	First Blower	VOC	0.005	0.002
		TCA	0.001	0.001
66	Second Blower	VOC	0.005	0.01
		TCA	0.005	0.01
67	Third Blower	VOC	0.005	0.01
		TCA	0.005	0.01
68	Oven Hood	VOC	0.02	0.04
		PM/PM ₁₀	0.003	0.006
		SO ₂	0.001	0.001
		NO _x	0.06	0.12
		CO	0.012	0.024

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
69	Oven Hood	VOC	0.05	0.10
		PM/PM ₁₀	0.012	0.024
		SO ₂	0.001	0.003
		NO _x	0.24	0.48
		CO	0.048	0.096
71	Oven Hood	VOC	0.05	0.10
		PM/PM ₁₀	0.012	0.024
		SO ₂	0.001	0.003
		NO _x	0.24	0.48
		CO	0.048	0.096
72	Oven Hood	VOC	0.03	0.06
		PM/PM ₁₀	0.003	0.006
		SO ₂	0.001	0.001
		NO _x	0.06	0.12
		CO	0.012	0.024
73	Forth Blower	VOC	0.005	0.01
		TCA	0.005	0.01
74	Vent	VOC	0.049	0.074
		TCA	0.049	4.073
77	Bin Vent	PM/PM ₁₀	0.045	0.025
78	Bin Vent	PM/PM ₁₀	0.045	0.025
79	Bin Vent	PM/PM ₁₀	0.045	0.025
80	Bin Vent	PM/PM ₁₀	0.045	0.025
81	Bin Vent	PM/PM ₁₀	0.045	0.025

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
82	Bin Vent	PM/PM ₁₀	0.045	0.025
83	Bin Vent	PM/PM ₁₀	0.045	0.025
84	Bin Vent	PM/PM ₁₀	0.045	0.025
85	Cyclone	PM/PM ₁₀	0.09	0.20
87	Bin Vent	PM/PM ₁₀	0.045	0.09
88	Bin Vent	PM/PM ₁₀	0.045	0.09
89	Cyclone	PM/PM ₁₀	0.09	0.18
90	Second Rebond Vent	VOC	1.37	0.4
		TCA	0.57	1.13
91	First Rebond Vent	VOC	0.18	0.69
		TCA	0.14	0.27
92	Bonded Tanks	VOC	0.016	0.005
101 **	Slabroom Stack 1	VOC	278.0	76.02
		TCA	1.15	2.62
102 **	Slabroom Stack 1	VOC	278.0	76.02
		TCA	1.15	2.62
W5.1	Baumer Fan	VOC	0.053	0.08
		TCA	0.013	3.53
W5.2	Baumer Fan	VOC	0.053	0.08
		TCA	0.013	3.53

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- (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
PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
TCA - 1,1,1- trichloroethane
O₃ - Ozone

* 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
and as represented in the permit application for each emission unit.

** The actual emissions from these emission points must be reduced by process controls (for all marked emission points) or add-on controls (for EPNs 43, 48 and 54) by August 31, 1996 in accordance with Special Provision No. 5.

Dated_____