

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20625

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
1	Railcar Vent	VOC	0.002	0.001
20	Vent	Acetone	0.319	0.839
21	Vent	Acetone	0.319	0.839
23A	Lab Vent	TDI	0.002	0.001
		NO _x	0.008	0.005
27	Chemical Vent	Acetone	0.002	0.001
		ABA	1.617	0.010
30	Feed Tank Vent	TMEDA	0.25	0.025
		Acetone	0.016	0.002
		ABA	0.026	0.003
31	Barite Vent	BaSO ₄	0.265	0.027
		Acetone	0.002	0.001
		ABA	0.003	0.001
34	Vent	Acetone	0.016	0.839
		ABA	0.028	0.001
39	Automotive Vent	ABA	0.018	0.020
40	Vent	Acetone	0.016	0.839
		ABA	0.029	0.001
43	Pouring Vent	TDI	0.185	0.115
		Acetone	0.004	0.002

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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>
		ABA	201.63	20.72
44	Vent	Acetone	0.016	0.839
		ABA	0.029	0.001

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
47	Hot Oil Vent	NO _x	0.001	0.001
		Ozone	0.091	0.182
		Acetone	0.001	0.001
		ABA	0.003	0.005
48	Pouring Vent	TDI	0.100	0.145
		Acetone	0.006	0.003
		ABA	167.68	23.73
50	Vent	Acetone	0.016	0.839
		ABA	0.029	0.001
51	Vent	Acetone	0.005	1.122
		ABA	0.009	0.007
52	Vent	Acetone	0.005	1.122
		ABA	0.009	0.007
54	Pouring Vent	TDI	0.008	0.005
		Acetone	0.011	0.005
		ABA	44.72	3.61
57	Vent	Acetone	0.027	2.277
		ABA	0.050	0.074
60	Vent	Acetone	0.005	1.122
		ABA	0.009	0.007
61	Blade Vent	Acetone	0.002	0.001
		ABA	0.004	0.001
62	Blade Vent	Acetone	0.002	0.001
		ABA	0.004	0.001
64	Vent	Acetone	0.027	2.277
		ABA	0.050	0.074

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
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
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	TDI	0.180	0.317
		Acetone	0.319	0.632
91	First Rebond Vent	TDI	0.018	0.070
		Acetone	0.078	0.151
100	Tank Rebond 0.005	Prepolymer (TDI, polyol)		0.02
101	Slabroom Stack 1	ABA	278.00	76.017

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AIR CONTAMINANTS DATA

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>
		Acetone	0.643	1.465
		TDI	0.005	0.008

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AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
102	Slabroom Stack 2	ABA	278.00	76.017
		Acetone	0.643	1.465
		TDI	0.005	0.008
103	Steam Generator	PM/PM ₁₀	0.031	0.003
		SO ₂	0.002	0.001
		NO _x	0.025	0.019
		CO	0.006	0.004
		VOC	0.024	0.055
105	Fiber Line	PM/PM ₁₀	0.033	0.073
		SO ₂	0.002	0.005
		NO _x	0.300	0.675
		CO	0.007	0.150
		VOC	0.024	0.055
106	Hot Oil Vent No. 2	Acetone	0.007	1.973
		ABA	0.054	0.080
W5.1	Baumer Fan	Acetone	0.007	1.973
		ABA	0.054	0.080
W5.2	Baumer Fan	Acetone	0.007	1.973
		ABA	0.054	0.080
W5.3	Baumer Fan	Acetone	0.007	1.973
		ABA	0.054	0.080
W5.4	Baumer Fan	Acetone	0.007	1.973
		ABA	0.054	0.080

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

(2) Specific point source name.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (3) VOC - volatile organic compounds as defined in General Rule 101.1
TDI - toluene diisocyanate
NO_x - total oxides of nitrogen
ABA - auxiliary blowing agent
TMEDA - trimethylene diamine
BaSO₄ - barium sulfate
PM - particulate matter, suspended in the atmosphere, including
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO₂ - sulfur dioxide
CO - carbon monoxide

- * 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.

Dated _____