

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9092

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 Rates*	Source	Air Contaminant		<u>Emission</u>
Point No. (1)	Name (2)	Name (3)		lbs/hr
<u>TPY</u>				
G-1 Tanks	T-121	VOC	0.012	0.054
	T-130	VOC	0.042	0.183
	T-140	VOC	0.160	0.703
	T-150	VOC	0.034	0.149
	T-2121	VOC	0.012	0.054
	T-2130	VOC	1.660	0.041
	T-3110	VOC	0.298	0.005
	T-3120	VOC	0.011	0.047
	T-3130	VOC	0.101	0.016
G-6 Tanks	T-125	VOC	0.213	0.003
	T-3310	VOC	0.151	0.017
	T-3320	VOC	0.151	0.002
	T-3330	VOC	0.151	0.010
	V-335	VOC	0.213	0.004
	V-362	VOC	0.213	0.013
	V-2340	VOC	0.213	0.001
Z-3781	Boiler No. 4	SO ₂	0.06	0.25
		PM ₁₀	1.31	5.73
		CO	7.16	31.38
		VOC	0.27	1.17
		NO _x	4.59	20.09
G-3	Treater	VOC	5.2	19.9
G-4	Dryer	VOC	4.5	16.0
		PM ₁₀	5.4	16.7

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Emission Contaminant Point No. (1)	Source Emission Rates* Name (2)		Air	
			Name (3)	
lbs/hr	TPY			
G-5	Bagging Vent	PM ₁₀	0.4	1.8
2ST-2	Dryer	VOC	3.7	16.0
		PM ₁₀	2.7	12.0
2ST-3	Bagging Vent	PM ₁₀	<0.1	0.3
2ST-4	Boiler No. 2	SO ₂	0.02	0.08
		PM ₁₀	0.16	0.69
		CO	1.10	4.80
		VOC	0.09	0.38
		NO _x	3.76	16.45
Z-1871	Boiler No. 3	VOC	0.18	0.81
		NO _x	3.96	17.34
		SO ₂	0.04	0.17
		PM ₁₀	0.33	1.45
		CO	2.64	11.56
Z-2652	MA-II Vent	PM	0.01	0.01
		VOC	0.01	0.01
Z-2271	Pilot Plant	PM ₁₀	0.01	0.01
		VOC	0.13	0.01
Z-3652	After-Treatment MA-III	VOC	1.36	2.50
Z-3654	Dryer MA-III	VOC	3.92	12.54
		TSP	2.04	5.36
		PM ₁₀	0.67	1.77
Z-3656	Bagging Vent	TSP	0.52	2.28

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Emission Contaminant Point No. (1) <u>lbs/hr</u> <u>TPY</u>	Source <u>Emission Rates*</u> Name (2)	Air	
		Name (3)	
		PM ₁₀	0.29 1.28

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Emission Contaminant Point No. (1) lbs/hr	Source Emission Rates* Name (2) TPY		Air	
			Name (3)	
WG-1	Waste Gas	VOC	0.31	1.21
		NO _x	66.22	57.89
F-3601	Dust Collectors	TSP	0.29	1.28
		PM ₁₀	0.29	1.28
F-3603	Dust Collectors	TSP	0.29	1.28
		PM ₁₀	0.29	1.28
WW-1	Wastewater	VOC	0.044	0.194
F-1	Fugitives MA-I, MA-II, MA-III (4)	VOC	1.8	7.9
F-PP1	Fugitives Pilot Plant (4)	VOC	0.10	0.09

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 PM - particulate matter
 PM₁₀ - particulate matter less than 10 microns in diameter
 TSP - total suspended particulate matter
 SO₂ - sulfur dioxide
- (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____Days/week____Weeks/year____or Hrs/year 8,760

Dated _____