

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9576

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**			
400	Flare	VOC	2.15	9.41
		NO _x	0.26	1.14
		SO ₂	0.01	0.01
		CO	0.52	2.28
2A	Dryer I 1A	VOC	2.97	13.0
		PM ₁₀	<0.01	
	<0.01			
2B	Dryer I 2A	VOC	0.29	1.27
		PM ₁₀	<0.01	
	<0.01			
2C1	Dryer I 3A1	VOC	0.14	0.62
		PM ₁₀	<0.01	0.01
2C2	Dryer I 3A2	VOC	0.14	0.62
		PM ₁₀	<0.01	0.01
2D	Dryer I 1B	VOC	2.97	13.0
		PM ₁₀	<0.01	
	<0.01			
2E	Dryer I 2B	VOC	0.29	1.27
		PM ₁₀	<0.01	
	<0.01			
2F	Dryer I 3B1	VOC	0.14	0.62
		PM ₁₀	<0.01	0.01

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			<u>lb/hr</u>	<u>TPY**</u>
2F2	Dryer I 3B2	VOC	0.14	0.62
		PM ₁₀	<0.01	0.01
3A	Coagulation Vent IA	VOC	0.86	3.78
3B	Coagulation Vent IB	VOC	0.86	3.78
5	Acetic Acid Scrubber I	VOC	0.10	0.45
6A	Chip Wash Vent IA <0.01	VOC	<0.01	
6B	Chip Wash Vent IB <0.01	VOC	<0.01	
7	Cooling Tower I <0.01	VOC	<0.01	
8	Wastewater Pool I	VOC	0.64	2.80
9	Boiler	VOC	0.25	1.08
	54.08	NO _x	12.35	
		SO ₂	0.05	0.23
		PM ₁₀	0.44	1.93
		CO	3.09	
	13.52			
10F	Fugitives - Phase I (4) 34.82	VOC	7.26	
22A-H	8 Chip Silos	PM ₁₀	0.10	0.02
23	5 Pelletizing Silos	PM ₁₀	0.01	0.06

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24	2 Packaging Silos	PM ₁₀	<0.01	0.01
51	Flare	VOC	2.40	
	10.70	NO _x	0.40	1.50
		SO ₂	<0.01	
	<0.01	PM ₁₀	0.01	0.05
		CO	0.08	0.40
25A	Dryer I1A - I2A	PM ₁₀	<0.01	
	<0.01			
25B1	Dryer I2A - I2A	PM ₁₀	<0.01	
	<0.01			
25B2	Dryer I2A - I3A2	PM ₁₀	<0.01	
	<0.01			
25C	Dryer I1B - I2B	PM ₁₀	<0.01	
	<0.01			
25D1	Dryer I2BB - I3B1	PM ₁₀	<0.01	
	<0.01			
25D2	Dryer I2B - I3B2	PM ₁₀	<0.01	
	<0.01			
26	Dust Collection Vent I	PM ₁₀	<0.01	
	<0.01			
27	Extruder Hopper I	PM ₁₀	<0.01	0.02
28	Pelletizing Dryer I	PM ₁₀	<0.01	
	<0.01			

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29	Pellet Dryer I	PM ₁₀	<0.01	0.01
52A	Dryer II-1A 13.27	VOC	3.10	
	<0.01	PM ₁₀	<0.01	
52B	Dryer II-2	VOC	0.30	1.30
	<0.01	PM ₁₀	<0.01	
52C	Dryer II-3A	VOC	0.30	1.30
		PM ₁₀	<0.01	0.02
52D	Dryer II-1B 13.60	VOC	3.10	
	<0.01	PM ₁₀	<0.01	
52E	Dryer II-2B	VOC	0.30	1.30
	<0.01	PM ₁₀	<0.01	
52F	Dryer II-3B	VOC	0.30	1.30
	<0.01	PM ₁₀	<0.01	
53A	Coagulation Vent II-A	VOC	0.90	3.90
		PM ₁₀	<0.01	0.02
53B	Coagulation Vent II-B	VOC	0.90	3.90
55	Acetic Acid Scrubber II	VOC	0.10	0.62
56A	Chip Wash Vent II-A	VOC	<0.01	

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	<0.01			
56B	Chip Wash Vent II-B <0.01	VOC	<0.01	
57	Cooling Tower <0.01	VOC	<0.01	
58	Wastewater Pit <0.01	VOC	<0.01	
60F	Fugitives (4) 15.95	VOC	3.64	
72A-H	Chip Silos	PM ₁₀	<0.01	0.03
73	5 Pelletizing Silos	PM ₁₀	0.02	0.07
74	2 Packing Silos <0.01	PM ₁₀	<0.01	
75A-D	4 Dryer Pneumatic Filters	PM ₁₀	<0.01	0.02
76	Dust Collector Vent II <0.01	PM ₁₀	<0.01	
77	Extruder Hopper	PM ₁₀	<0.01	0.02
78	Pelletizing Dryer II <0.01	PM ₁₀	<0.01	
79	Pelletizing Dryer Hopper II <0.01	PM ₁₀ 0.01		
406	F-3402 Acetic Acid Scrubber 2.02		VOC	0.46

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403	F-1452-1 Acetic Acid Scrubber	0.81	VOC	0.18
404	F-1452-2 Acetic Acid Scrubber	0.53	VOC	0.12
402	F-4402 Filter	PM ₁₀	0.24	0.94
405	F-6458 Filter	PM ₁₀	0.25	0.69
408-D	F-6303 Filter	PM ₁₀	0.25	0.69
408-C	F-6402-2 Filter	PM ₁₀	0.25	0.69
408-B	F-6402-1 Filter	PM ₁₀	0.25	0.69
408-A	F-6451 Filter	PM ₁₀	0.35	1.55
409	Cooling Tower	VOC	0.15	0.66
407	Fugitives (4)	VOC	1.44	6.30
		Ammonia	0.05	0.22
410	Wastewater Sump	VOC	0.04	0.15

(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 30 Texas Administrative Code Section 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

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PM₁₀ - particulate matter (PM) 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.

CO - carbon monoxide

(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:

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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated_____