

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Rates * Name (2)	Air Contaminant Emission		
		Name (3)	lb/hr	
	TPY**			
400	Flare***	VOC	13.3	18.07
		NO <sub>x</sub>	0.98	4.31
		SO <sub>2</sub>	0.01	0.01
		CO	1.97	8.61
Area 1	Fugitive VOC- Area 1 (4)	VOC	4.64	20.31
Area 2	Fugitive VOC- Area 2 (4)	VOC	1.30	5.70
Area 3	Fugitive VOC- Area 3 (4)	VOC	3.24	14.18
Area 4	Fugitive VOC- Area 4 (4)	VOC	1.54	6.75
Area 5	Fugitive VOC- Area 5 (4)	VOC	0.26	1.15
Plant	Fugitive VOC- Plant (4)	VOC	0.05	0.23
MAINTENANCE	Maintenance	VOC	1.0	0.60
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	VOC	0.01	0.01

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Emission	Source	Air Contaminant		
	Rates *			Emission
Point No. (1)	Name (2)	Name (3)	lb/hr	
	TPY**			
6B	Chip Wash Vent IB	VOC	0.01	0.01
7	Cooling Tower I	VOC	0.01	0.01
8	Wastewater Pool I	VOC	0.64	2.80
22A-H	8 Packaging Silos	PM <sub>10</sub>	0.10	0.02
23	5 Pelletizing Silos	PM <sub>10</sub>	0.01	0.06
24	2 Packaging Silos	PM <sub>10</sub>	0.01	0.01
51	Flare (existing)***	VOC	13.3	10.70
		NO <sub>x</sub>	0.40	1.50
		SO <sub>2</sub>	0.01	0.01
		PM <sub>10</sub>	0.01	0.05
		CO	0.08	0.40
25A	Pneumatic Conveyor	PM <sub>10</sub>	0.01	0.01
25B1	Pneumatic Conveyor	PM <sub>10</sub>	0.01	0.01
25B2	Pneumatic Conveyor	PM <sub>10</sub>	0.01	0.01
25C	Pneumatic Conveyor K1207	PM <sub>10</sub>	0.01	0.01
25D1	Pneumatic Conveyor K1258	PM <sub>10</sub>	0.01	0.01
25D2	Pneumatic Conveyor K1258	PM <sub>10</sub>	0.01	0.01
26	Dust Collection Vent I	PM <sub>10</sub>	0.01	0.01
27	Extruder Hopper I	PM <sub>10</sub>	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u> lb/hr	
	TPY**			
28	Pelletizing Dryer I	PM <sub>10</sub>	0.01	0.01
29	Pellet Dryer I	PM <sub>10</sub>	0.01	0.01
53A	Coagulation Vent II-A	VOC	0.90	3.90
		PM <sub>10</sub>	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	0.01
56B	Chip Wash Vent II-B	VOC	0.01	0.01
57	Cooling Tower	VOC	0.01	0.01
58	Wastewater Pit	VOC	0.01	0.01
72A-H	Chip Silos	PM <sub>10</sub>	0.01	0.03
73	5 Pelletizing Silos	PM <sub>10</sub>	0.02	0.07
74	2 Packing Silos	PM <sub>10</sub>	0.01	0.01
75A-D	4 Dryer Pneumatic Filters	PM <sub>10</sub>	0.01	0.02
76	Dust Collector Vent II	PM <sub>10</sub>	0.01	0.01
77	Extruder Hopper	PM <sub>10</sub>	0.01	0.02
78	Pelletizing Dryer II	PM <sub>10</sub>	0.01	0.01
79	Pelletizing Dryer Hopper II		PM <sub>10</sub>	0.01
	0.01			

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Emission	Source	Air Contaminant		Emission
	Rates *			
Point No. (1)	Name (2)	Name (3)	lb/hr	
	TPY**			
406	F-3402 Acetic Acid Scrubber	VOC	0.81	0.18
403	F-1483 Acetic Acid Scrubber	VOC	0.63	0.17
402	F-4402 Filter	PM <sub>10</sub>	0.24	0.94
405	F-6458 Filter	PM <sub>10</sub>	0.25	0.69
408-D	F-6303 Filter	PM <sub>10</sub>	0.25	0.69
408-C	F-6402-2 Filter	PM <sub>10</sub>	0.25	0.69
408-B	F-6402-1 Filter	PM <sub>10</sub>	0.25	0.69
408-A	F-6451 Filter	PM <sub>10</sub>	0.35	1.55
409	Cooling Tower	VOC	0.05	0.24
407	Fugitives (4)	VOC	1.44	6.30
		Ammonia	0.05	0.22
410	Wastewater Tank	VOC	0.01	0.02
410	Wastewater Tank Scrubber	VOC	0.01	0.05
CAP1100	1100 Line Emission Cap	VOC	3.54	15.51
		PM <sub>10</sub>	0.01	0.01
CAP1200	1200 Line Emission Cap	VOC	3.54	15.51
		PM <sub>10</sub>	0.01	0.01
CAP1300	1300 Line Emission Cap	VOC	7.40	32.07

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Emission	Source	Air Contaminant <u>Emission Rates</u>	
	*		
Point No. (1)	Name (2)	Name (3)	lb/hr
	TPY**		
		PM <sub>10</sub>	0.01 0.01

- (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 Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - PM<sub>10</sub> - 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.

\*\*\* Once Line 4 is completed, Flare 51 will be removed from Permit Number 9576 and be replaced with Flare 400.

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Dated October 21, 2008