

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5264

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
<u>HDPE Plant No. 1</u>				
F277VEN	Tank F270 Vent	HCl	0.11	<0.01
GASTK	Storage Tank	VOC	2.19	1.47
DIESELTK	Storage Tank	VOC	0.01	<0.01
C234.1VEN	Pellet Dryer Vent, Lane 1 0.05	PM <sub>10</sub>	0.01	
		VOC	0.25	1.08
C234.2VEN	Pellet Dryer Vent, Lane 2 0.05	PM <sub>10</sub>	0.01	
		VOC	0.25	1.08
C234.3VEN	Pellet Dryer Vent, Lane 3 0.05	PM <sub>10</sub>	0.01	
		VOC	0.25	1.08
E352.1RVEN	Pellet Storage Silos	PM <sub>10</sub>	<0.01	<0.01
E352.2RVEN	Pellet Storage Silos	PM <sub>10</sub>	<0.01	<0.01
E352.3RVEN	Pellet Storage Silos	PM <sub>10</sub>	<0.01	<0.01
E354.1VEN	Loadout Vent	PM <sub>10</sub>	<0.01	<0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
E354.2VEN	Loadout Vent	PM <sub>10</sub>	<0.01	<0.01
E378VEN	Blender Vent	PM <sub>10</sub>	<0.01	<0.01
D416VEN	Filter Vent	PM <sub>10</sub>	<0.01	<0.01
GQ352VEN	Main Flare	VOC	9.10	39.86
		NO <sub>x</sub>	0.96	4.21
		SO <sub>2</sub>	<0.01	<0.01
		CO	8.25	36.13
INCN	Incinerator	PM <sub>10</sub>	0.42	1.71
		VOC	1.29	5.28
		NO <sub>x</sub>	3.49	14.29
		SO <sub>2</sub>	0.02	0.09
		CO	0.73	3.00
GT335	Cooling Tower	VOC	0.55	2.40
HDPE SUMP	Sump	VOC	0.03	0.12
POLYFUG	Fugitives (4)	VOC	2.88	12.64
EXTRVENT	Extruder Vent	PM <sub>10</sub>	<0.01	<0.01
		VOC	0.05	0.21
F213VEN	CAS Vent for Tanks F210, F220, and F230	VOC	1.35	0.07
<u>HDPE Plant No. 2</u>				
200	Pellet Dryer Vent	VOC	3.44	13.75
201	Flash Tank Screen Cleanout 1.75		VOC	29.14

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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>
202	Pellet Blending and Storage 0.60 Tanks		PM <sub>10</sub>	0.28
203	Extruder Feed Tank	PM <sub>10</sub>	0.01	0.05

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
204	Flare	VOC	8.21	35.94
		NO <sub>x</sub>	2.02	8.87
		SO <sub>2</sub>	<0.01	<0.01
		CO	17.37	76.05
205	Boiler No. 1	PM <sub>10</sub>	0.66	2.66
		VOC	0.70	2.24
		NO <sub>x</sub>	2.33	9.41
		SO <sub>2</sub>	0.03	0.12
		CO	2.93	11.86
206	Boiler No. 2	PM <sub>10</sub>	0.66	1.88
		VOC	0.70	1.58
		NO <sub>x</sub>	2.33	7.65
		SO <sub>2</sub>	0.03	0.08
		CO	2.93	8.38
207	Cooling Tower	VOC	0.44	1.92
208	Fugitives (4)	VOC	1.58	6.94
		PM <sub>10</sub>	<0.01	0.01
209	Catalyst Activator Filter 0.01	PM <sub>10</sub>		3.00
		CO	27.60	0.63
210	Catalyst Activator Furnace 0.32	PM <sub>10</sub>		0.08
		VOC	0.03	0.14
		NO <sub>x</sub>	0.33	1.40
		SO <sub>2</sub>	<0.01	0.01
		CO	0.34	1.42
211	Liquid Additive Tank	VOC	0.14	<0.01

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212	Masterbatch Filter	PM <sub>10</sub>	0.03	0.13
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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<sub>10</sub> - particulate matter less than 10 microns in diameter
  - VOC - volatile organic compounds as defined in General Rule 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - HCl - hydrogen chloride
- (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 8,760  
Hrs/year

Dated \_\_\_\_\_