

## 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>	1.02	4.47
		CO	5.20	22.78
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

HDPE Plant No. 2

200, 202, 203, 204, 205, 206, 207, 208	Product Degassing Emissions 15.00	VOC	4.20
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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
201	Flash Tank Screen Cleanout 0.87		VOC	14.57
202, 203, 204, 205, 206	Pellet Blending and Storage Silos 1.84		PM <sub>10</sub>	0.65
207	Pellet Loadout Filter	PM <sub>10</sub>	0.73	3.19
208	Extruder Feed Dust Collector 0.39		PM <sub>10</sub>	0.09
209	Flare	VOC	11.68	33.32
		NO <sub>x</sub>	2.33	5.13
		CO	4.66	10.24
210	Boiler No. 1	PM <sub>10</sub>	0.54	2.38
		VOC	0.56	1.31
		NO <sub>x</sub>	2.33	10.75
		SO <sub>2</sub>	0.02	0.10
		CO	2.37	10.37
211	Boiler No. 2	PM <sub>10</sub>	0.54	2.38
		VOC	0.56	1.31
		NO <sub>x</sub>	2.33	10.75
		SO <sub>2</sub>	0.02	0.10
		CO	2.37	10.37
212	Cooling Tower	VOC	0.44	1.92
213	Catalyst Loading Fugitives 0.01		PM <sub>10</sub>	<0.01
214	Process Fugitives (4)	VOC	2.54	11.13

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
215	Catalyst Activator HEPA Filter 0.01 (552 hours per year)	PM <sub>10</sub> VOC CO	3.00 1.73 27.60	0.48 0.63
216	Catalyst Activator Furnace 0.39	PM <sub>10</sub> VOC NO <sub>x</sub> SO <sub>2</sub> CO	0.09 0.02 0.39 <0.01 0.40	0.08 1.71 0.02 1.74
217	Liquid Additive Tank	VOC	0.06	<0.01
218	Additive Dump Hopper Filter 0.66	PM <sub>10</sub>	0.15	
219	Diesel Tank A	VOC	0.66	<0.01
220	Diesel Tank B	VOC	0.66	<0.01
221	Additive Scale House Filter 0.05	PM <sub>10</sub>	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) PM<sub>10</sub> - 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.

VOC - volatile organic compounds as defined in General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

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 \_\_\_\_\_