

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 Point No. (1)	Source		Air Contaminant		Emission Rates *	
	Name (2)	Name (3)	lb/hr	TPY		
F277VEN	Tank F270 Vent		HCl		<0.01	<0.01
GASTK	Storage Tank		VOC		2.17	0.12
DIESELTK	Storage Tank		VOC		0.01	0.003
C221.1VEN	Extruder Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.2VEN	Extruder Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.3VEN	Powder Feed Hopper Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.4VEN	Powder Feed Hopper Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.5VEN	Extruder Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.6VEN	Extruder Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C222.7VEN	Powder Feed Hopper Vent		VOC		0.01	0.03
			PM ₁₀		<0.01	<0.01
C234.1VEN	Dryer Vent		VOC (5)		0.23	0.97
			VOC (6)		0.19	0.81
			PM ₁₀		0.01	0.04

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
C234.2VEN	Dryer Vent	VOC (5)	0.23	0.97
		VOC (6)	0.19	0.81
		PM ₁₀	0.01	0.04
C234.3VEN	Dryer Vent	VOC (5)	0.23	0.97
		VOC (6)	0.19	0.81
		PM ₁₀	0.01	0.04
C234.4VEN	Dryer Vent	VOC	0.19	0.81
		PM ₁₀	0.01	0.04
E352.1RVEN	Storage Silos	PM ₁₀	<0.01	<0.01
E352.2RVEN	Storage Silos	PM ₁₀	<0.01	<0.01
E352.3RVEN	Storage Silos	PM ₁₀	<0.01	<0.01
E354.1RVEN	Loadout Vent	PM ₁₀	<0.01	<0.01
E354.2RVEN	Loadout Vent	PM ₁₀	<0.01	<0.01
E378VEN	Blender Vent	PM ₁₀	<0.01	<0.01
D416VEN	Filter Vent	PM ₁₀	<0.01	<0.01
GQ352VEN	Main Flare (5)	VOC	28.9	30.5
		NO _x	3.13	3.30
		CO	22.86	23.70
GQ352VEN	Main Flare (6)	VOC	54.2	59.6
		NO _x	4.07	4.46
		CO	29.7	32.52
F243VEN	Vent for Tanks F240,			

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
		and F250 (7)	VOC	0.71 0.05
TEMP-FL	Temporary Flare (8)		VOC	1.34 5.6
			NO _x	1.70 7.10
			CO	3.80 16.00
F213VEN	Vent for Tanks F210, F220, and F230 (8)		VOC	1.32 0.01
INCN	Incinerator (8)		PM ₁₀	0.42 1.71
			VOC	1.31 5.3
			NO _x	3.49 14.29
			SO ₂	0.02 0.09
			CO	0.73 3.00
GT335	Cooling Tower (4)		Br	<0.01 <0.01
HDPE SUMP	Sump		VOC	0.03 0.12
POLYFUG	Fugitives (4)		VOC	17.97 78.71

- (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) PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
HCl - hydrogen chloride
Br - bromine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emission rate at HDPE annual production rate of 400 million (MM) pounds per year and below.

- (6) Emission rate at HDPE annual production rate of 450 MM pounds per year.
- (7) This EPN will be deleted when the vent for tanks F240 and F250 is tied in to the temporary flare, TEMP-FL.
- (8) The temporary Flare, TEMP-FL, will be replaced by the Incinerator, INCN. Emission Points No. TEMP-FL, and F213VEN will be deleted when the Incinerator, INCN, is operational.
- * 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_____