

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19016

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 Rates *	Source	Air Contaminant	Emission
Point No. (1)	Name (2)		Name
(3)	lb/hr	TPY	
HDBF4405	Powder Hopper Bag Filter 0.05	PM <sub>10</sub>	0.01
HDBF4406	Additive Feed Drum Bag Filter <0.01	PM <sub>10</sub>	<0.01
HDBF4407	Additive Bag Dumping Bag 0.01 Filter	PM <sub>10</sub>	0.16
HDBF4434	Extruder Building Bag Filter <0.01	PM <sub>10</sub>	0.02
HDBF4463	Repellet Hopper Bag Filter <0.01	PM <sub>10</sub>	0.02
HDBF4801	Hopper Car Loading Bag Filter 0.96	PM <sub>10</sub>	0.43
HDBF4802	Hopper Car Unloading Bag <0.01 Filter	PM <sub>10</sub>	0.06
HDBF4812	Loadout Building Bag Filter <0.01	PM <sub>10</sub>	<0.01

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Point No. (1)	Name (2)		Name	
(3)	lb/hr	TPY		
HDBLR3	Boiler No. 3	PM <sub>10</sub>	0.23	1.02
		VOC	<0.01	0.01
		NO <sub>x</sub>	5.57	24.39
		SO <sub>2</sub>	0.65	2.85
		CO	9.28	40.66
HDCATOX	Catalytic Oxidizer	PM <sub>10</sub>	0.03	0.09
		VOC	1.32	2.49
		NO <sub>x</sub>	0.72	2.02
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.06	0.16
HDCOOLTWR	Cooling Tower	VOC	0.04	0.02
HDCYS4402	Pellet Dryer Cyclone Vent 0.56	PM <sub>10</sub>		0.16
		VOC	1.95	2.50
HDFLARE	HDPE Flare	VOC	14.11	44.98
		NO <sub>x</sub>	2.30	7.52
		SO <sub>2</sub>	<0.01	0.01
		CO	11.73	38.33
HDFUGEM	Plant Area Fugitives (4) 5.25	VOC		1.20
HDOILWATER	Oil Water Separator	VOC	0.01	0.05
HDPROCSEW	Process Sewer	VOC	0.13	0.07
HDSAMSLRY	Slurry Sampling	VOC	0.21	0.24
HDTK4702	Tank 4702	VOC	0.48	1.58

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Point No. (1)	Name (2)		Name	
(3)	lb/hr	TPY		
HDTK4703	Tank 4703	VOC	0.32	0.83
HDVVANALY	Analyzer Vents	VOC	<0.01	<0.01
HDVVDM4401	Liquid Additive Melt Drum <0.01	VOC	<0.01	
HDVVDM4402	Liquid Additive Hold Drum <0.01	VOC	<0.01	

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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 (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM 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  
SO<sub>2</sub> - sulfur dioxide  
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:

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

Dated\_\_\_\_\_