

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
EMISSION LIMITS (NON-MSS)				
HDBF4406	Additive Feed Drum Bag Filter	PM ₁₀	0.01	0.01
HDBF4407	Additive Bag Dumping Bag Filter	PM ₁₀	0.16	0.01
HDBF4434	Extruder Building Bag Filter	PM ₁₀	0.02	0.01
HDBF4463	Repellet Hopper Bag Filter	PM ₁₀	0.02	0.01
HDBF4801	Hopper Car Loading Bag Filter	PM ₁₀ VOC	0.43 0.10	0.96 0.25
HDBF4802	Hopper Car Unloading Bag Filter	PM ₁₀	0.06	0.01

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HDBLR3	Boiler No. 3	PM ₁₀ VOC NO _x SO ₂ CO	0.35 0.25 5.57 0.65 9.28	1.51 1.10 24.39 2.85 40.66
HDCATOX	Catalytic Oxidizer	PM ₁₀ VOC NO _x SO ₂ CO	0.02 2.22 0.43 0.04 0.06	0.06 6.43 1.23 0.10 0.17
HDCYS4402	Pellet Dryer Cyclone Vent	PM ₁₀ VOC	0.16 1.95	0.56 3.94
HDFINBLDG	Finishing Building	PM ₁₀ VOC	0.01 (5)	0.01 (5)
HDFLARE	HDPE Flare	VOC NO _x SO ₂ CO	14.11 3.37 0.22 17.18	44.98 7.62 0.03 38.81
HDFUGEM	Plant Area Fugitives (4)	VOC	1.49	6.52
HDOILWATER	Oil Water Separator	VOC	0.36	1.57
HDPROCSEW	Process Sewer	VOC	0.14	0.59
HDSAMSLRY	Slurry Sampling	VOC	0.21	0.24
HDTK4702	Tank 4702	VOC	0.51	1.50

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HDTK4703	Tank 4703	VOC	0.32	0.74
HDVVANALY	Analyzer Vents	VOC	0.01	0.01
HDVVDM4401	Liquid Additive Melt Drum	VOC	0.01	0.01
HDVVDM4402	Liquid Additive Hold Drum	VOC	0.01	0.01
INTERMITTENT SHORT TERM FLARE ALLOWABLES [PRODUCT TRANSITIONS (TYPE I) AND REACTION TERMINATIONS (TYPE II)]				
HDFLARE and LDFLARE	HDPE Flare and LPE Process Flare	VOC NO _x CO SO ₂ PM ₁₀	1369.94 90.82 653.97 3.84 0.02	
PLANNED MSS				
MAIN	See Attachment C	VOC (6) NO _x (6) CO (6) PM ₁₀ (6) H ₂ SO ₄ (6)	68.53 3.88 0.77 0.71 0.71	6.51 0.13 0.08 0.09 0.06

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

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- (3) PM₁₀ - particulate matter equal to or less than 10 microns in diameter
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- CO - carbon monoxide
- H₂SO₄ - sulfuric acid
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) Residual VOC emissions from the finishing building are included in the emissions at EPNs HDBF4801 and HDCYS4402.
- (6) Allowable emissions are the sum of the controlled and uncontrolled emissions associated with maintenance, startup, and shutdown activities shown on Attachments A, B, and C.

* 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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated June 3, 2010