

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

3690

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 Name (3)	Source #/hr TPY	Air Contaminant	Emission Rates*	Point No. (1)	Name (2)
UTBLRA, UTBLRB UTBLRD, UTBLRE and UTBLRF	Boilers A, B, D, E & F (8)	VOC	0.01	0.04	
HS1C505	Spinaway Dryer Blower	PM	<0.01	0.02	
HS1FLARE	Flare	CO	760.85	4.04	
		NOx	105.34	0.79	
		SO2	<0.01	<0.01	
		VOC	1753.22	5.86	
HS1INC	Thermal Regenerative Incinerator (5)	CO	1.00	4.40	
		NOx	1.00	4.40	
		PM10	0.03	0.12	
		SO2	<0.01	<0.01	
		VOC	6.14	14.69	
HS1RWTS	Recycle Water Tanks Vent Tanks V-1519 and V-1522	EMERGENCY USE ONLY			
HS1V1553	Fluid Bed Dryer Cyclone Vent (7)	EMERGENCY USE ONLY			
HS1V1563	Powder Silo Bagfilter (876 hours per year)	PM	1.52	0.64	
		PM10	0.64	0.32	
HS1V1564	Mixer Feed Hopper Bagfilter Vent 1	PM	1.52	6.44	
		PM10	0.76	3.22	
HS1V1565	Mixer Feed Hopper	PM	1.86	0.78	

	Bagfilter Vent 2 (876 hours per year)	PM10	0.93	0.39
HS1V1566	Alternate Powder Rundown Silo Bagfilter (876 hours per year)	PM	1.52	0.64
		PM10	0.76	0.32

AIR CONTAMINANTS DATA

Emission Name (3)	Source #/hr	Air Contaminant TPY	Emission Rates*	Point No. (1)	Name (2)
HS1V1571	Product Reclaim Bagfilter Vent (876 hours per year)	PM PM10	0.80 0.40	0.34 0.17	
HS1V1920	Rundown Silos Bagfilter Vent	PM PM10	0.85 0.17	2.57 0.51	
HS1V1921	Mixer Feed Chute Bagfilter Vent	PM PM10	0.09 <0.01	0.06 <0.01	
HS1V1930	Product Silos Bagfilter Vent 1	PM PM10	0.59 0.12	1.77 0.35	
HS1V1931	Product Silos Bagfilter Vent 2	PM PM10	0.59 0.12	1.77 0.35	
HS1V1932	Blend Silos Bagfilter Vent	PM PM10	1.15 0.23	3.49 0.70	
HS1V1933	Booster Conveyor Bagfilter Vent	PM PM10	0.20 0.04	0.59 0.12	
HS1V1934	Car Loading Bagfilter Vent	PM PM10	0.85 0.17	2.57 0.51	
HSSILOS	Pellet & Powder Production S-1 Fugitives	VOC	2.23	8.12	
HSSILOS	Pellet & Powder Production S-2 Fugitives	VOC	1.10	3.61	
HS1BD	CBBD Process Blowdown (4)	VOC	14.1	5.14	
HS1CTFUG	Cooling Tower (4) (6)	VOC	0.51	2.21	
HS1FUG	Process Fugitives (4)	VOC	8.86	38.80	

- (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.

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- (3) CO - carbon monoxide
NO_x - nitrogen oxides
PM - particulate matter
PM₁₀ - particulate matter less than 10 microns
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.
- (5) Includes vent streams from S-1 and S-2 Polyethylene Plants.
- (6) Cooling tower emissions are for S-1 and S-2 Polyethylene Plants.
- (7) This source can vent when EPN HS1INC is not operating.
- (8) Boilers A, B, D, E & F accept gas during regeneration of the mole sieve beds and the boilers are not covered under this permit. The VOC emission limits in this permit are only associated with the S-1 HDPE Unit. Total emissions from these EPN's are not subject to the emission limits.

* 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