

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

4445

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)	Name (3)	Air Contaminant lb/hr TPY	Emission Rates *	
VS-201	CO2 Purge Vent		(maintenance use only)		
VS-202	Flare		VOC	10.2	41.4
			NOx	0.85	3.4
			CO	6.14	24.7
VS-205	Inhibitor System Vent		VOC	5.4	0.47
VS-206	Tank Scrubber (6)		VOC	10.92	2.87
VS-207	Tank Scrubber		VOC	1.63	0.81
VS-208	Tank Scrubber		VOC	0.15	0.35
VS-209	Tank Scrubber		VOC	0.15	0.35
VS-210	Tank Scrubber (5)		VOC	59.57	27.06
VS-211	Storage Tank (5)		VOC	3.64	0.99
VS-212	Vent Scrubber		VOC	0.08	0.33
VS-213	Marine Loading (5)		Vinyl Acetate	400	26.13
VS-214	Ethylene Skid		(maintenance use only)		
VS-215	Ethylene Skid		(maintenance use only)		
VS-315	Polymer Tanks		VOC	28.5	12.7
VS-317	Vent Scrubber		VOC	1.2	4.7

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
VS-318	Vent Scrubber	VOC	4.9	20.1
VS-319	Vent Scrubber	VOC	0.1	0.6
VS-320	Vent Scrubber	VOC	0.2	0.8
VS-329	Fluidizing Blower Vent	VOC PM10	3.86 <0.01	16.9 <0.01
VS-331	Hopper Car Blower Vent	VOC PM10	5.56 7.0	24.4 7.6
VS-332	Hopper Car Blower Vent	VOC PM10	0.67 <0.01	2.81 0.04
VS-336	C&W Tank	VOC	31.0	9.0
VS-337	Storage Tank	VOC	1.5	3.2
VS-338	Storage Tank	VOC	18.6	2.0
VS-339	Tank	VOC	33.7	3.6
VS-340	Tank	VOC	13.0	0.9
VS-341	Tank	VOC	7.6	1.5
VS-342	Catalyst Day Tank	VOC	30.7	6.0
VS-343	Storage Tank	VOC	23.9	0.4
VS-344	Storage Tank	VOC	12.4	0.2
VS-362	Fluidizing Blower Vent	VOC PM10	3.86 <0.01	16.9 <0.01
VS-363	Bagging Blender Vent	VOC PM10	0.25 <0.01	1.09 <0.01

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			lb/hr	TPY	
VS-364		Additives Blender Vent	VOC	0.05	0.24
			PM10	<0.01	<0.01
VS-365		Storage Tank	VOC	23.9	0.20
VS-366		Washwater Tank	VOC	12.0	0.2
VS-367		Storage Tank	VOC	30.0	<0.1
VS-368		Seal Flush Pot Vent	VOC	1.4	<0.1
VS-369		Condensate Receiver Vent	VOC	3.5	<0.1
VS-370		Condensate Receiver Vent	VOC	9.2	2.31
VS-371		Condensate Receiver Vent	VOC	0.10	<0.1
VS-372		Dry Products Dust Collector Vent	PM10	<0.01	0.03
VS-373		Process Tank	VOC	13.3	0.2
VS-374		Process Tank	VOC	36.7	<0.1
VS-375		Process Tank	VOC	0.9	<0.1
VS-376		Dry Products Scrubber	VOC	0.52	1.70
VS-377		Dust Collector Vent	PM10	<0.13	<0.25
VS-378		Fines Recycle Fan Vent	PM10	0.03	<0.01
VS-379		Finished Product Fan Vent	PM10	0.03	<0.01
VS-380		Decanter Vent	VOC	<0.1	<0.1
VS-381		Cooling Tower (4)	VOC	0.03	0.13
VS-382		WW Holding Pond (7)	VOC	2.52	1.20

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
VS-400	Fugitives (4)	VOC	22.41	98.13

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
CO - carbon monoxide
PM10 - particulate matter less than 10 microns
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This emission point shall be eliminated not later than 18 months from the date of permit renewal.

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- (6) The VOC emission rates given above include rerouting of VS-210 and VS-211 emissions through VS-206. Maximum VS-206 VOC emission rates prior to VS-210 and VS-211 rerouting are 4.93 lb/hr and 0.16 TPY.
- (7) The wastewater holding pond shall be covered not later than 18 months from the date of permit renewal. The maximum uncontrolled VOC emission rates are 27.85 lb/hr and 122.0 TPY.

* 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_____