

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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		6.15	24.7
VS-205	Inhibitor System Vent		VOC		5.4	0.47
VS-206	Tank Scrubber (6)		VOC		14.18	4.58
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 (5)	VOC	1.5	3.2
VS-338	Storage Tank (5)	VOC	18.6	2.0
VS-339	Tank (5)	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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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
VS-364		Additives Blender Vent	VOC	0.05
			PM10	<0.01
VS-365	Storage Tank		VOC	23.9
VS-366	Washwater Tank		VOC	12.0
VS-367	Storage Tank		VOC	30.0
VS-368	Seal Flush Pot Vent		VOC	1.4
VS-369	Condensate Receiver		VOC	3.5
VS-370	Condensate Receiver (5)		VOC	9.2
VS-371	Condensate Receiver		VOC	0.10
VS-372	Dry Products Dust Collector Vent			
			PM10	<0.01
VS-373	Process Tank		VOC	13.3
VS-374	Process Tank		VOC	36.7
VS-375	Process Tank		VOC	0.9
VS-376	Dry Products Scrubber		VOC	0.52
VS-377	Dust Collector Vent		PM10	<0.13
VS-378	Fines Recycle Fan Vent		PM10	0.03
VS-379	Finished Product Fan Vent		PM10	0.03
VS-380	Decanter Vent		VOC	<0.1
VS-381	Cooling Tower (4)		VOC	0.03
VS-382	WW Holding Pond (7)		VOC	2.52

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			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 September 7, 1995.

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- (6) The VOC emission rates given above include rerouting of the VS-210, VS-211, VS-337, VS-338, and VS-339 Vents through VS-206. Maximum VS-206 VOC emission rates prior to rerouting of these vents are 4.93 lb/hr and 0.16 TPY.
- (7) The wastewater holding pond shall be covered not later than September 7, 1995. 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_____