

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)	Air Contaminant Name (3)	Emission Rates *	
TPY				lb/hr
VS-201	Carbon Dioxide Purge Vent	(Maintenance Use Only)		
VS-202	Flare	VOC	10.2	41.4
		NO _x	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 (8)	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-216	Marine Loading Flare	VOC	3.0	0.70
		NO _x	0.2	0.04
		CO	1.6	0.37
VS-315	Polymer Tanks	VOC	28.5	12.7

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			lb/hr	
TPY				
VS-317	Vent Scrubber	VOC	1.2	4.7
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	3.86	16.9
		PM ₁₀	<0.01	<0.01
VS-331	Hopper Car Blower Vent	VOC	5.56	24.4
		PM ₁₀	7.0	7.6
VS-332	Hopper Car Blower Vent	VOC	0.67	2.81
		PM ₁₀	<0.01	0.04
VS-336	C and 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	3.86	16.9
		PM ₁₀	<0.01	<0.01

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TPY			lb/hr	
VS-363	Bagging Blender Vent	VOC	0.25	1.09
		PM ₁₀	<0.01	<0.01
VS-364	Additives Blender Vent	VOC	0.05	0.24
		PM ₁₀	<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	VOC	3.5	<0.1
VS-370	Condensate Receiver (5)	VOC	9.2	2.31
VS-371	Condensate Receiver	VOC	0.10	<0.1
VS-372	Dry Products Dust Collector Vent	PM ₁₀	<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	PM ₁₀	<0.13	<0.25
VS-378	Fines Recycle Fan Vent	PM ₁₀	0.03	<0.01
VS-379	Finished Product Fan Vent	PM ₁₀	0.03	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	
TPY				
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
VS-400	Fugitives (4)	VOC	22.82	99.97

- (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
NO_x - 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.
- (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.
- (8) The Company plans to eliminate EPN 212 by April 1, 1996.

* 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 _____