EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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 * lb/hr	TPY**
VS-201 (5)	CO_2 Vent	VOC	10.00	0.50
VS-202	Flare	VOC	156.92	38.49
		NO_x	17.80	14.12
		CO	90.50	71.95
		SO_2	0.01	0.01
		Methyl Acetate	0.34	0.05
VS-205	Inhibitor System Vent	VOC	2.35	0.13
VS-206	Tank Scrubber	VOC	6.91	2.37
		Methyl Acetate	2.87	0.16
VS-207	Tank Scrubber	VOC	0.86	2.75
VS-208	Tank Scrubber	VOC	0.14	0.46
VS-209	Tank Scrubber	VOC	0.13	0.46
VS-212	Vent Scrubber	VOC	0.01	0.01
VS-216	Marine Loading Flare	VOC	2.62	1.11
		NO_x	0.43	0.18
		CO	3.07	1.30
		SO_2 0.01	0.01	
VS-315	Polymer Tanks	VOC	190.00	1.05
VS-317	Vent Scrubber	VOC	1.12	4.93
		Methyl Acetate	0.01	0.02

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
VS-318	Vent Scrubber	VOC	0.29	1.24
		Methyl Acetate	4.51	19.76
VS-319	Vent Scrubber	VOC	0.10	0.39
		Methyl Acetate	0.04	0.15
VS-320	Vent Scrubber	VOC	0.40	0.80
		Methyl Acetate	0.02	0.10
VS-329	Fluidizing Blower Vent	VOC	85.82	18.53
		PM_{10}	<0.01	<0.01
		Methyl Acetate	65.77	14.13
VS-331	Hopper Car Blower Vent	VOC	36.77	41.10
		PM_{10}	<0.01	<0.01
		Methyl Acetate	0.01	0.01
VS-332	Hopper Car Blower Vent	VOC	4.18	2.57
		PM_{10}	<0.01	<0.01
		Methyl Acetate	0.39	0.24
VS-336	C and W Tank	VOC	5.71	1.15
		Methyl Acetate	9.21	1.29
VS-340	Tank	VOC	11.80	0.52
VS-341	Tank	VOC	3.40	1.28
		Methyl Acetate	0.13	0.05
VS-342	Catalyst Day Tank	VOC	30.06	0.21
VS-343	Storage Tank	VOC	8.45	0.36
VS-344	Storage Tank	VOC	5.92	0.28
VS-362	Fluidizing Blower Vent	VOC	85.82	18.53

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY**
		PM_{10}	<0.01	<0.01
		Methyl Acetate	65.77	14.13
VS-365	Storage Tank	VOC	8.45	0.22
VS-366	Washwater Tank	VOC	2.82	0.03
		Methyl Acetate	1.69	0.01
VS-367	Storage Tank	VOC	0.81	3.56
VS-368	Seal Flush Pot Vent	VOC	0.17	0.01
VS-369	Condensate Receiver	VOC	0.30	0.01
		Methyl Acetate	3.20	0.10
VS-371	Condensate Receiver	VOC	0.15	0.10
VS-372	Dry Products Dust Collector	PM_{10}	0.01	0.03
VS-373	Process Tank	VOC	6.87	0.14
VS-374	Process Tank	VOC	7.60	0.01
VS-375	Process Tank	VOC	0.23	0.10
VS-376	Dry Products Scrubber	VOC	0.34	0.21
		Methyl Acetate	0.26	0.15
VS-380	North Cooling Tower	VOC	0.01	0.01
VS-381	South Cooling Tower (4)	VOC	0.11	0.48
VS-382	WW Holding Pond	VOC	0.01	0.01
VS-400	Fugitives (4)	VOC	9.21	40.33
		Methyl Acetate	1.13	4.96

(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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
PM_{10} - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Annual emission rate is based on and the facility is limited by the following maximum operating schedule:

Hrs/year 700

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/year 8,760

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

Dated September 15, 2004