

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

4449

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
100F	Fugitives (4)		VOC		7.91	34.65
100V30	Tank 30 (5)		VOC		3.09	0.31
100V30	Tank 30		VOC		3.09	0.41
100V34	Tank 34 (5)		VOC		3.09	0.31
100V34	Tank 34		VOC		3.09	0.41
100V35	Tank 35 (5)		VOC		3.09	0.31
100V35	Tank 35		VOC		3.09	0.41
251AV866	Tank 866 (6)		VOC		19.74	13.66
251AV866	Tank 866		VOC		0.17	0.31
251AV994	Tank 994 (6)		VOC		4.53	4.20
251AV994	Tank 994		VOC		0.08	0.17
251AV994	Tank 995 (6)		VOC		4.53	4.20
251AV995	Tank 995		VOC		0.08	0.17
251AV37	Tank 37 (6)		VOC		15.15	2.74
251AV37	Tank 37		VOC		0.12	0.13

251AV119	Tank 119	VOC	0.28	0.012
100V23	Tank 23	VOC	0.04	<0.01
100V917	Tank 917	VOC	0.01	<0.01

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Name (3)	lb/hr	Air Contaminant TPY	<u>Emission Rates *</u>	
251DTL	Truck Loading (6)			VOC	28.78	2.02
251DTL	Truck Loading			VOC	0.04	1.10
251DTC	Railcar Loading (6)			VOC	53.82	6.91
251DTC	Railcar Washing (6) (7)			VOC	383.00	162.35
251DTC	Railcar Loading			VOC	0.27	2.47
251DBL	Barge Loading (6)			VOC	39.60	2.31
251DBL	Barge Loading (4)			VOC	0.84	0.06
251DM1205	Shipping Flare (6) (8)			VOC	16.58	1.36
				NOx	3.58	3.06
				SO2	<0.10	<0.10
				CO	30.70	26.62
251DM1205	Shipping Flare (8)			VOC	32.07	15.36
				NOx	3.58	6.61
				SO2	<0.10	<0.10
				CO	30.70	56.61
251DM2224	Barge Incinerator (8)			VOC	0.70	0.07
				NOx	5.00	8.78
				SO2	<0.01	<0.01
				CO	0.40	0.88
				PM	<0.01	<0.01
303M1239	Plant Flare			(emergency service only)		

AREA 7	API Separators	VOC	3.36	14.70
301M150	Cooling Tower (4)	VOC	0.10	0.43
100V713/4	Rhodium Recovery	VOC	1.11	4.36

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- (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  
SO2 - sulfur dioxide  
CO - carbon monoxide  
PM - particulate matter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These are the authorized limits until completion of the propylene recovery unit.
- (6) These are the authorized limits until completion of the project which will add a propylene recovery unit and improve control of emissions, or October 15, 1994, whichever date is earlier.
- (7) Railcar loading and railcar washing operations do not generally occur simultaneously.
- (8) These emissions represent the total emissions from the vapor combustion system.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year \_\_\_\_\_

Approved \_\_\_\_\_