

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6257G

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
P-204	Raw Materials Tanks Scrubber	VOC	3.55	0.88
		NH ₃	1.0	0.88
P-205	GE/GEA Scrubber	VOC	1.38	2.99
P-206	Railcar Loading (R-8) (6)	VOC	0.01	<0.01
P-207	Tank Truck Loading (T-5) (6)	VOC	0.01	<0.01
P-208	Tank Truck Loading (T-3) (6)	VOC	0.01	<0.01
P-301	Acetates Scrubber (5)	VOC	1.06	0.01
P-303	Loading Scrubber (5)	VOC	1.80	1.10
P-15	Flare	VOC	0.04	0.16
		NO _x	<0.01	0.01
		CO	<0.01	0.03
FUG-2	Glycol Ether Unit Fugitives (4)	VOC	0.81	3.55
TK-4620	RUND Tank	VOC	0.20	0.02
TK-4621	DI RUND Tank	VOC	0.20	0.02

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
TK-4622	HE Tank	VOC	<0.01	0.01
TK-4624	HB Tank	VOC	<0.01	0.01
TK-4636	Flash Residue	VOC	<0.01	<0.01
TK-4638	DE Tank	VOC	0.10	0.05
TK-4639	DB Tank	VOC	<0.01	0.02
TK-4644	DB Tank	VOC	0.02	0.03
TK-4645	DM Tank	VOC	0.15	0.13
TK-4646	DB Tank	VOC	0.02	0.03
TK-4647	HM Tank	VOC	0.15	0.08
TK-4648	HM Tank	VOC	<0.01	0.01
TK-4649	Flash Residue Tank	VOC	0.01	0.03
TK-4650	Carbonate Tank	VOC	<0.01	<0.01
TK-4651	Carbonate Tank	VOC	<0.01	<0.01
TK-4652	Carbonate Tank	VOC	<0.01	<0.01
TK-4653	Flash Residue Tank	VOC	<0.01	0.02
P-105	GE/EA Batch Tanks Scrubber (5)	VOC	0.42	0.10
TK-4641	Tank	VOC	0.15	0.08
TK-4642	Tank	VOC	<0.01	<0.01

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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 30 Texas Administrative Code Section 101.1.
NO_x - total oxides of nitrogen.
CO - carbon monoxide
NH₃ - ammonia
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This emission rate is attributable to the Glycol Ethers Unit authorized by this permit. This emission point number (EPN) is also represented in the allowable emission rates table for Permit No. 6257H (Acetates Unit) and/or Permit No. 6257F (Ethanolamines Refinery Unit). The total allowable emission rates for this EPN (hourly and yearly) are the sum of the emission rates represented in each permit.
- (6) These emission limits represent the total emissions from both Railcar (EPN 206) and Tank Truck (EPN 207) loading; therefore, emissions are not additive.

* 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 _____