

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20915

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**
VCS-1	Vapor Combustor	VOC	8.34	12.20
		Benzene	0.65	0.29
		NO _x	5.22	5.47
		CO	20.81	21.80
TK-1	Tank 1	VOC	11.27	1.43
TK-2	Tank 2	VOC	3.26	8.40
		Benzene	0.06	0.07
TK-3	Tank 3	VOC	3.26	8.40
		Benzene	0.06	0.07
TK-4	Tank 4	VOC	2.13	4.60
		Benzene	0.04	0.04
TK-5	Tank 5	VOC	2.44	2.21
		Benzene	0.05	0.02
FIRE01	Fire Pump Tank	VOC	<0.01	<0.01
ADD01	Tank 11	VOC	2.52	0.05
ADD02	Tank 12	VOC	1.65	0.04
ADD03	Tank 13	VOC	2.89	0.05
ADD05	Tank 15	VOC	2.64	0.05

LOADFUG	Loading Rack Fugitives	VOC	21.19	22.24
		Benzene	0.42	0.19
FUG-1	Loading Rack Equipment Fugitives	VOC	<0.01	0.006
		Benzene	0.00003	0.00012
FUG-2	Meter Area Fugitives (4)	VOC	<0.01	0.01
		Benzene	<0.001	<0.001
FUG-3	Pump Area Fugitives (4)	VOC	0.01	0.04
		Benzene	<0.001	<0.001
FUG-4	Tank Area Fugitives (4)	VOC	<0.01	0.005
		Benzene	<0.001	<0.001

- (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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions for storage tanks shall be calculated using: (a) AP-42, Fifth Edition "Compilation of Air Pollution Emission Factors, Chapter 7 - Liquid Storage Tanks" and (b) the TCEQ publication titled "Technical Guidance Package for Chemical Sources-Storage Tanks." Emissions for loading operations shall be calculated using AP-42, Fifth Edition "Compilation of Air Pollution Emission Factors" § 5.2.2.1.1- Loading Losses, Fifth Edition, Published by the EPA.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- ** Compliance with annual emission limits is based on a rolling 12 month period.

Hrs/day _____ Days/week _____ Weeks/year _____ or Hrs/year 8,760

Dated November 21, 2002