

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 22106

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>	
			lb/hr	TPY (4)
FLARE1	Flare 1	VOC	142.70	47.50
		NO _x	19.42	7.40
		CO	38.75	14.79
		SO ₂	0.05	0.05
		Exempt Solvents	40.73	2.09
		Ammonia	0.45	0.07
FUGITIVES	Piping Component Fugitives (5)	VOC	0.14	0.25
		IOC-U	0.14	0.25
		Exempt Solvents	0.14	0.25
BOILER1	Boiler 1	VOC	0.03	0.01
		NO _x	0.36	0.09
		CO	0.12	0.03
		SO ₂	0.01	0.01
		PM ₁₀	0.03	0.03
CAS1	Carbon Adsorption System	VOC	0.50	0.09
		Methylene Chloride	0.33	0.01
		Perchloroethylene	0.64	0.03
BLOWER1/BLOWER2	Uncontrolled Degassing	NaOH	0.12	0.01
TOTE1	Tote Loading	NaOH	<0.01	<0.01
VACTK1	Vacuum Tank Loading	NaOH	<0.01	<0.01
HOPPER1/HOPPER2/ HOPPER3	Hopper Loading - All Hoppers	PM	0.16	0.01
		PM ₁₀	0.08	0.01

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DRYDOCK1/ DRYDOCK2/ DRYDOCK3	Barge Blasting - All Drydocks	PM PM ₁₀	28.60 3.40	10.21 1.22
DRYDOCK1/ DRYDOCK2/ DRYDOCK3	Barge Painting - All Drydocks	VOC PM Exempt Solvents	109.91 2.01 39.61	52.05 3.41 5.00

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - IOC-U - inorganic compounds (unspeciated)
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - NaOH - sodium hydroxide
- (4) Compliance with annual emission limits is based on a rolling 12-month period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Dated January 13, 2010