

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 2446A

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
VP-01A	Flare A	Hexane	4.43	8.55
		Toluene	2.16	2.01
		Dimethylamine	0.50	0.21
		Methanol	0.09	0.01
		Ethanol	0.01	0.01
		Cyclohexylisocyanate	0.01	0.01
		F-3455.HCl	0.01	0.01
		2-methylpentane	0.01	0.01
		3-methylpentane	0.01	0.01
		Methylcyclopentane	0.01	0.01
		2,3-dimethylbutane	0.01	0.01
		Acetic Acid	0.04	0.01
		NO _x	0.97	4.21
		CO	8.20	36.10
		SO ₂	0.06	0.28
		Non-methane VOC	0.02	0.09
		VOC (6)	22.39	0.02
VP-01B	Flare B (NaOMe)	Methanol	0.42	1.44
		NO _x	0.08	0.63

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		CO	1.23	5.38
		SO ₂	0.01	0.03
		Non-methane VOC	0.01	0.05
VP-10	Dust Collector	PM	0.30	0.43
VP-05F	Process Fugitives (4)	Toluene	1.53	6.56
		Methanol	0.31	1.36
		Dimethylamine	0.13	0.56
		Cyclohexylisocyanate	0.12	0.38
		Acetic Acid	0.10	0.30
		Hexane	0.53	1.84
		Ethanol	0.04	0.18
		F-3455.HCl	0.02	0.09
		2-methylpentane	0.01	0.01
		3-methylpentane	0.01	0.01
		Methylcyclopentane	0.01	0.01
		2,3-dimethylbutane	0.01	0.01
VP-11F	Dust Fugitives (4)	PM	0.03	0.01
AM-03	Amine Scrubber	Dimethylamine	0.01	0.01
AM-03F	Amine Fugitives (4)	Dimethylamine	0.16	0.72
VP-RMSS	Vessel Opening	VOC	22.14	0.03
VP-LMSS	Line Opening	VOC	4.42	0.22
EC-VACTRK	Vacuum Truck Cleaning	VOC	3.06	0.05
EC-VACCAS	Vacuum Truck CAS	VOC	0.65	0.03
VP-TVPMSS	Tank Breathing	VOC	0.47	0.04

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	Losses			
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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) 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
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Allowable emission rate applies to MSS shutdown emissions.

Date: _____