

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 19004

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**
351	Acetone Storage Tank	Acetone	0.65	2.87
352	ACH Process Fugitives (4)	Acetone	0.01	0.01
		VOC	0.15	0.64
		H ₂ SO ₄	0.01	0.01
353	ACH Process Flare (5)	Acetone	0.12	0.53
		VOC	0.13	0.54
		NO _x	0.06	0.27
		SO ₂	1.90	8.30
		CO	0.52	2.25
		H ₂ S	0.01	0.01
353	ACH Process Flare (6)	Acetone	0.12	0.53
		VOC	0.85	0.76
		NO _x	0.11	0.28
		SO ₂	1.90	8.30
		CO	0.91	2.37
		H ₂ S	0.01	0.01
354	Acetone Storage Tank Fugitives (4)	Acetone	0.16	0.70
355	Acetone Barge Unloading Fugitives (4)	Acetone	0.83	0.19
359	HCN Unloading Flare	VOC	0.75	0.30
		NO _x	0.06	0.07
		SO ₂	0.01	0.01
		CO	0.50	0.55

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
FHCNUL	HCN Railcar Unloading Fugitives (4)	VOC	0.01	0.01
FHCNTK	HCN Storage Tanks Fugitives (4)	VOC	0.01	0.05
H2SO4TK1	Sulfuric Acid Storage Tank	H ₂ SO ₄	0.01	0.01

(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

SO₂ - sulfur dioxide

CO - carbon monoxide

H₂SO₄ - sulfuric acid

H₂S - hydrogen sulfide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) These are the allowable emissions for the case where a separate flare, Emission Point No. (EPN) 359, is installed to serve HCN unloading and storage operations.

(6) These are the allowable emissions for the case where a separate flare, EPN 359, is not installed to serve HCN unloading and storage operations.

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

_____Hrs/day ____Days/week ____Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated December 3, 2002