

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18926

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.

DATA			AIR	CONTAMINANTS
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
TK-22	Nitric Acid Storage Tank	Nitric Acid	0.67	0.01
TK-9	16 through 18% HAN Reactor Tank Evacuation	Inorganics	0.01	0.01
HAN RX1	HAN Reactor No. 1 Filling (24% HAN Process)	Inorganics	0.01	0.01
HAN RX2	HAN Reactor No. 2 Filling (24% HAN Process)	Inorganics	0.01	0.01
HAN PROD TK	HAN Product Tank Filling (24% HAN Process)	Inorganics	0.01	0.01
F-5	Carbon Canister Vent	VOC	0.01	0.04
		Inorganics	0.01	0.01
EVS-1	Bleach Scrubber	Cl ₂	0.01	0.03
TK-11	Acid Neutralization Tank	Inorganics	0.23	0.23
SS-1	Scrubber No. 1	VOC	0.07	0.01
		Inorganics	0.01	0.01
SS-2	Scrubber No. 2	VOC	0.30	0.07
WH-1	Water Heater No. 1	VOC	0.01	0.01
		PM	0.01	0.02
		SO ₂	0.01	0.01
		NO _x	0.16	0.68

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			CO	AIR	0.04	0.19
			CONTAMINANTS			
DATA						
Emission	Source	Air Contaminant		Emission Rates *		
Point No. (1)	Name (2)	Name (3)		lb/hr	TPY**	
WH-2	Water Heater No. 2	VOC		0.01	0.02	
		PM		0.01	0.03	
		SO ₂	0.01	0.01		
		NO _x	0.08	0.36		
		CO		0.07	0.31	
WH-3	Water Heater No. 3	VOC		0.01	0.01	
		PM		0.01	0.02	
		SO ₂	0.01	0.01		
		NO _x	0.16	0.68		
		CO		0.04	0.19	
WH-4	Water Heater No. 4	VOC		0.01	0.02	
		PM		0.01	0.03	
		SO ₂	0.01	0.01		
		NO _x	0.18	0.79		
		CO		0.08	0.34	
WH-5	Water Heater No. 5	VOC		0.01	0.02	
		PM		0.01	0.03	
		SO ₂	0.01	0.01		
		NO _x	0.08	0.35		
		CO		0.07	0.29	
WH-6	Water Heater No. 6	VOC		0.01	0.01	
		PM		0.01	0.01	
		SO ₂	0.01	0.01		
		NO _x	0.08	0.36		
		CO		0.02	0.10	
PLANT FUG	Fugitives	VOC		0.30	0.05	
		Inorganics	0.04	0.02		
		Cl ₂	0.01	0.01		

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PM 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
 - Cl₂ - chlorine
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀.
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
 - Inorganics - include hydrochloric acid, sulfuric acid, hydrobromic acid, hydrofluoric acid, fluoroboric acid, nitric acid, and hydroxyl amine
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

** Emission rates are based on a continuous operating schedule. Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 9, 2004