

# AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates* lb/hr TPY	
---------------------------	--------------------	-----------------------------	------------------------------	--

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 37887

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	
BOILER	Boiler	CO	0.11	0.46
		NO <sub>x</sub>	0.69	2.12
		PM <sub>10</sub>	0.06	0.26
		SO <sub>2</sub>	0.07	0.31
		VOC	0.02	0.07
ACIDSCRUB	Acid Scrubber	HCl	0.61	0.14
		HF	0.11	0.05
		HNO <sub>3</sub>	0.02	<0.01
		H <sub>2</sub> O <sub>2</sub>	<0.01	<0.01
ANHFSCRUB	Anhydrous HF <sub>3</sub> Area Scrubber	HF <sub>3</sub>	0.21	0.03
NH <sub>3</sub> SCRUB	Ammonia Scrubber	NH <sub>3</sub>	0.54	0.23
IPAVENT	IPA Vent	IPA	2.00	5.21
LABVENT	Lab Vent	IPA	6.52	1.19
NH <sub>3</sub> UNLD	NH <sub>3</sub> Railcar Unloading	NH <sub>3</sub>	0.08	0.01
TK300	IPA Storage Tank T-300	IPA	7.9	0.4
TK301	IPA Storage Tank T-301	IPA	7.9	0.19
TOTE	Tote and Drum Loading (Probe Removal)	Acet	5.22	1.10
		H <sub>2</sub> O <sub>2</sub>	0.02	0.03

		H <sub>3</sub> PO <sub>4</sub>	0.25	0.10	
		HCl	<0.01	<0.01	
		HF	0.01	0.01	
		IPA		0.01	0.01
		NH <sub>4</sub> OH		0.03	<0.01
		VOC	1.77	0.38	
		XOH	1.13	0.29	
DIESLTK	Diesel Storage Tank	VOC		0.01	<0.01
FUGITIVE	Process Fugitives (4)	Fuel Oil		0.26	1.13
		HCl	<0.01	0.02	
		HF	0.02	0.05	
		IPA	0.19	0.84	
		NH <sub>3</sub>	0.01	0.05	
GENERTR	Diesel Generator (5)	CO		2.20	0.96
		NO <sub>x</sub>		10.14	4.44
		PM <sub>10</sub>		0.71	0.32
		SO <sub>2</sub>	0.67	0.30	
		VOC	0.83	0.37	

- (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) Acet - acetone  
CO - carbon monoxide  
H<sub>2</sub>O<sub>2</sub> - peroxides  
H<sub>3</sub>PO<sub>4</sub> - phosphoric acid  
HCl - hydrogen chloride  
HF - hydrogen fluoride  
HF<sub>3</sub> - hydrogen trifluoride  
HNO<sub>3</sub> - nitric acid  
IPA - isopropyl alcohol  
NH<sub>3</sub> - ammonia  
NH<sub>4</sub>OH - ammonium hydroxide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter (PM) 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.  
SO<sub>2</sub> - sulfur dioxide

XOH - caustics

VOC - volatile organic compounds as defined in 30 Texas Administrative Code  
Section 101.1

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

(5) The diesel generator is limited to 876 operating hours per year.

\* 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