

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

### AIR CONTAMINANTS DATA

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

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 36624

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.

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
T1	Storage Tank (5)	Acrylonitrile	0.59	
T2	Storage Tank (5)	Acrylonitrile	0.59	
T4	Storage Tank(5)	Acrylonitrile	0.59	
T1, T2, and T4	Storage Tanks(5)	Acrylonitrile		1.46
P1	Ship Loading Fugitives (4)(6)	Acrylonitrile	0.11	0.47
P1	Ship Loading Fugitives (4)(7)	Ammonia	0.29	1.29
P2	Storage Equipment Fugitives (4)	Acrylonitrile	0.55	2.45
P3	Storage Equipment Fugitives (4)	Ammonia	1.61	7.07
P4	Barge Loading Fugitives (4)(6)	Acrylonitrile	0.11	0.47
P4	Barge Loading Fugitives (4)(7)	Ammonia	0.29	1.29

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
H1	Pipeline Heater	PM <sub>10</sub>	0.08	0.35
		NO <sub>x</sub>	0.94	0.11
		CO	0.14	0.61
		SO <sub>2</sub>	<0.01	0.02
		VOC	0.04	0.15
H2	Pipeline Heater	PM <sub>10</sub>	0.08	0.35
		NO <sub>x</sub>	0.94	0.11
		CO	0.14	0.61
		SO <sub>2</sub>	<0.01	0.02
		VOC	0.04	0.15
VC1	Vapor Combuster (8)	NO <sub>x</sub>	293.25	55.70
		CO	5.04	5.62
		Acrylonitrile	0.84	0.15
		SO <sub>2</sub>	1.11	1.21
EF1	Emergency Flare	NO <sub>x</sub>	0.01	0.06
		CO	0.03	0.12

- (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) 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.  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The allowable short-term and annual emission rates for the acrylonitrile storage tank facilities, either individually or combined, are capped at 0.59 lb/hr and 1.46 tons/year, respectively.
- (6) Simultaneous loading of acrylonitrile in ships and barges shall not occur.
- (7) Simultaneous loading of ammonia in ships and barges shall not occur.
- (8) Emissions are based on 1,850 hr/yr loading plus 600 hr/yr start-up and shutdown

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

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

Hrs/day\_\_\_\_ Days/week\_\_\_\_ Weeks/year\_\_\_\_ or Hrs/year 8,760

Dated\_\_\_\_\_