

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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.

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
T1	Storage Tank (5)	Acrylonitrile	0.21	0.54
T2	Storage Tank (5)	Acrylonitrile	0.21	0.54
P1	Ship Loading Fugitives (4)(6) 0.47	Acrylonitrile		0.11
P1	Ship Loading Fugitives (4)(7) 1.29	Ammonia		0.29
P2	Storage Equipment Fugitives (4) 2.26	Acrylonitrile		0.51
P3	Storage Equipment Fugitives (4) 7.07	Ammonia		1.61
P4	Barge Loading Fugitives (4)(6) 0.47	Acrylonitrile		0.11
P4	Barge Loading Fugitives (4)(7) 1.29	Ammonia		0.29
H1	Pipeline Heater	PM ₁₀	0.08	0.35
		NO _x	0.94	0.11
		CO	0.14	0.61
		SO ₂	<0.01	0.02
		VOC	0.04	0.15
H2	Pipeline Heater	PM ₁₀	0.08	0.35
		NO _x	0.94	0.11

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CO	0.14	0.61
SO ₂	<0.01	0.02
VOC	0.04	0.15

CONTAMINANTS DATA

AIR

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
AB1	Afterburner (8)	NO _x	293.25	53.90
		CO	5.04	3.33
		Acrylonitrile	0.84	0.15
		SO ₂	1.11	0.71
EF1	Emergency Flare	NO _x	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 - 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.
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) In the event that either tank is taken out-of service, the maximum allowed emission rate will be 1.08 tons per year. This will allow the flexibility to store all the acrylonitrile in one tank until the

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repairs on the other tank are completed.

- (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 1,500 hours per year operation.

* 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_____