

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19348

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, sources, and related activities. 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 (5)	
			lbs/hour	TPY (4)
EPN 1	4 Glygen Scrubbers Common Stack (Sterilizers 1 - 4)	EtO	0.03	0.15
EPN 2	Primary Aeration Catalytic Oxidizer 1 Stack	VOC	0.10	0.45
		NO _x	0.66	2.88
		SO ₂	0.01	0.05
		PM	0.14	0.63
		PM ₁₀	0.14	0.63
		CO	1.56	6.81
		EtO	0.02	0.08
EPN 3	Secondary Aeration Catalytic Oxidizer 2 Stack	VOC	0.04	0.17
		NO _x	0.72	2.88
		SO ₂	0.01	0.02
		PM	0.05	0.24
		PM ₁₀	0.05	0.24
		CO	0.61	2.66
		EtO	<0.01	0.02
EPN 4	Pack Tower Stack (16 Glygen Scrubbers)	EtO	<0.01	0.01
EPN 5	Aeration Pack Tower Stack	EtO	<0.01	0.02
EPN 6	Aeration Catalytic Oxidier 3	VOC	0.01	0.05
		NO _x	0.2	0.86
		CO	0.16	0.72

Emission Sources - Maximum Allowable Emission Rates

		SO2	<0.01	0.01
		PM	0.01	0.07
		PM10	0.01	0.07
		EtO	0.03	0.20
7	AAT Dry Bed Scrubber Stack 7	EtO	0.01	0.04
8	AAT Dry Bed Scrubber Stack 8	EtO	0.01	0.04
9	AAT Dry Bed Scrubber Stack 9	EtO	0.01	0.04
10	AAT Dry Bed Scrubber Stack 10	EtO	0.01	0.04
11	AAT Dry Bed Scrubber Stack 11	EtO	0.01	0.04
12	AAT Dry Bed Scrubber Stack 12	EtO	0.01	0.04
13	AAT Dry Bed Scrubber Stack 13	EtO	0.01	0.04
14	AAT Dry Bed Scrubber Stack 14	EtO	0.01	0.04
15	AAT Dry Bed Scrubber Stack 15	EtO	0.01	0.04
16	AAT Dry Bed Scrubber Stack 16	EtO	0.01	0.04
17	AAT Dry Bed Scrubber Stack 17	EtO	0.01	0.04
18	AAT Dry Bed Scrubber Stack 18	EtO	0.01	0.04
19	AAT Dry Bed Scrubber Stack 19	EtO	0.01	0.04
20	AAT Dry Bed Scrubber Stack 20	EtO	0.01	0.04
21	AAT Dry Bed Scrubber Stack 21	EtO	0.01	0.04

(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

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented

PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as

Emission Sources - Maximum Allowable Emission Rates

represented
CO - carbon monoxide
EtO - ethylene oxide

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 10, 2023