

Emission Sources - Maximum Allowable Emission Rates

Permit Number 9600

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	
			lbs/hour	TPY (4)
EC001A	Main Cooling Tower	VOC	0.04	0.18
		PM	0.16	0.71
		PM ₁₀	0.16	0.71
		PM _{2.5}	0.10	0.42
EC001B	EO/PO Storage Cooling Tower	VOC	0.01	0.03
		PM	0.01	0.03
		PM ₁₀	0.01	0.03
		PM _{2.5}	< 0.01	0.02
EC001C	Dioxane Stripper Cooling	VOC	0.02	0.07
		PM	< 0.01	0.02
		PM ₁₀	< 0.01	0.02
		PM _{2.5}	< 0.01	0.01
EF001A	Fugitives (5)	VOC (7)	0.81	3.54
		EO	0.05	0.21
		PO	0.04	0.15
EF001C	Fugitives (5)	VOC	0.22	0.96
EF001D	ACT Pig Station	VOC	0.01	0.03
EF001E	R-200 Pig Station	VOC	0.01	0.03
EFL1	Truck Loading	VOC	0.94	0.06
EV001	Oxylation Blend Tank T-6160	VOC	0.90 (6)	0.09

Emission Sources - Maximum Allowable Emission Rates

EV002	Oxylation Blend Tank T-6170	VOC	0.90 (6)	0.09
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EV003	Oxylation Blend Tank T-6150	VOC	0.90 (6)	0.09
EV1	Venturi Scrubber	VOC	0.01	0.01
		Phosphoric Acid	< 0.01	0.01
EV2	Stripper	VOC	0.33	0.24
EV3	Drum Loading Scrubber	VOC	0.05	0.01
EV3FUG	Uncollected Drum Loading	VOC	0.01	<0.01
EV4	V-004 Scrubber	VOC (7)	16.35	4.00
		EO	0.26	0.03
		PO	0.15	0.01
EV5	Reactor V-008 Scrubber	VOC	3.90	0.64
EW-A-FUG	Wastewater System Emissions	VOC	0.22	0.97
FUG099	Tank 099 Fugitives (5)	VOC	0.02	0.07
FUG167	Tank 167 Fugitives (5)	VOC	0.04	0.16
FUG270	Tank 270 Fugitives (5)	VOC	0.05	0.22
FUG271	Tank 271 Fugitives (5)	VOC	0.05	0.22
FUG280	Tank 280 Fugitives (5)	VOC	0.08	0.34
T099	Hold Tank	VOC	0.91	0.03
T167	Blend Tank	VOC	7.15	0.14
T270	Blend Tank	VOC	4.18	0.01
T271	Blend Tank	VOC	4.29	0.01
T280	Blend Tank	VOC	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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - EO – ethylene oxide
 - PO - propylene oxide
 - 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 represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter.
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Only one blend tank will be filled at any one time.
- (7) VOC includes EO and PO emissions

Date: October 21, 2022