

Emission Sources - Maximum Allowable Emission Rates

Permit Number 85092

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)
VCU	Storage and Vent Header Loading, Tanks T-5210, T-5220, T-5410, T-5415, and Re-Refinery Unit 1	VOC	0.73	0.28
		NOx	0.87	0.33
		CO	16.54	6.29
		PM	0.19	0.07
		PM ₁₀	0.19	0.07
		PM _{2.5}	0.19	0.07
		SO ₂	0.38	0.14
CAS-1	Storage and Vent Header Loading, tanks T-5210, T-5220, T-5410, T-5415, and Re-Refinery Unit 1	VOC	0.70	0.25
CAS-CSU1	Feed tanks T-5210 and T-5220	VOC	0.16	0.06
CAS-CSU2	Product oil tanks T-5410 and T-5415	VOC	0.01	0.06
CAS-RRU1	CAS – Re-Refinery Unit 1	VOC	<0.01	<0.01
CAS-1, CAS-CSU1, CAS-CSU2, CAS-RRU1	CAS CAP	VOC	0.70	0.25
Tank 13A	Tank 13A	VOC	0.32	0.94
Tank 14A	Tank 14A	VOC	0.32	0.94
Tank 15A	Tank 15A	VOC	0.32	0.94
Boiler	Boiler	VOC	0.01	0.06
		NOx	0.09	0.37
		CO	0.20	0.88
		PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
		SO ₂	0.01	0.01

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Fugitives	Fugitives (5)	VOC	1.23	4.18
Load Fug 1	Railcar Loading Fugitives	VOC	2.91	0.71
Load Fug 2	Truck Loading Fugitives	VOC	14.70	2.39
FUG-TKS	Fugitives from storage tanks	VOC	<0.01	0.01
FUG-TRK	Fugitives from Truck Loading	VOC	<0.01	<0.01
FUG-PROCESS	Process Fugitives	VOC	0.03	0.12
ASPHALT	TK-3702	VOC	<0.01	<0.01
WASTEWATER	TK-3703	VOC	<0.01	<0.01
HTR	Process Oil Heater	VOC	0.06	0.24
		NO _x	0.18	0.80
		CO	0.38	1.65
		PM	0.08	0.33
		PM ₁₀	0.08	0.33
		PM _{2.5}	0.08	0.33
		SO ₂	0.15	0.66

- (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 represented
PM_{2.5} - total particulate matter equal to or less than 2.5 microns in diameter, as represented
CO - carbon monoxide
- (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.

Date: October 15, 2018