

Emission Sources - Maximum Allowable Emission Rates

Permit Number 8886

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)
TK-Degas	Controlled Tank Degassing (6)	VOC	16.72	-
		NO _x	9.11	0.18
		CO	18.19	0.35
		PM	0.49	0.01
		PM ₁₀	0.49	0.01
		PM _{2.5}	0.49	0.01
		SO ₂	0.01	<0.01
VCU-1 A and VCU-1 B	Truck Loading VCU System	VOC	2.81	-
		NO _x	8.68	8.76
		CO	17.34	17.49
		PM	0.47	0.47
		PM ₁₀	0.47	0.47
		PM _{2.5}	0.47	0.47
		SO ₂	0.01	0.01
VRU	VRU	VOC	8.76	-
T50-4	Tank 50-4	VOC	1.65	-
T80-1	Tank 80-1	VOC	2.84	-
T80-2	Tank 80-2	VOC	2.84	-
T80-3	Tank 80-3	VOC	2.84	-
T80-4	Tank 80-4	VOC	35.16	-
T80-5	Tank 80-5	VOC	0.54	-
T30-4	Tank 30-4	VOC	1.66	-
T35-1	Tank 35-1	VOC	2.77	-
T35-2	Tank 35-2	VOC	3.12	-

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T35-3	Tank 35-3	VOC	3.13	-
T35-4	Tank 35-4	VOC	18.39	-
9001	9001	VOC	0.55	-
9002	9002	VOC	0.41	-
9003	9003	VOC	0.40	-
9004	9004	VOC	0.40	-
9005	9005	VOC	3.93	-
9006	9006	VOC	8.93	-
9007	9007	VOC	8.93	-
T100-29	Tank 100-29	VOC	2.41	-
10-13	Tank 10-13	VOC	3.02	-
TK 71001	Tank 71001	VOC	1.70	-
TK 71002	Tank 71002	VOC	1.70	-
TK 71003	Tank 71003	VOC	0.43	-
TK 71004	Tank 71004	VOC	0.56	-
TR SUMP-1	Wastewater Sumps	VOC	0.59	-
ATM-TANKS	Uncontrolled Tank De-gassing (7)	VOC	51.67	-
LAND-REFL	All Tanks (8)	VOC	278.61	-
Annual Cap	Total Annual Emissions Cap for Tanks (9)	VOC	-	41.78
VCU and VRU Annual Cap	VCU and VRU Cap	VOC	-	15.60
TERMFUG	Terminal Piping Fugitives (10)	VOC	0.86	3.75
TRKFUG	Truck Loading Fugitives (10)	VOC	22.59	29.03

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- (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
SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- 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
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.
- (6) Cap covers emissions from controlled tank degassing attributable to routine product changes and planned MSS activities as represented in Special Condition No. 14 and 15.
- (7) Hourly cap covers emissions from uncontrolled tank degassing attributable to routine product changes and planned MSS activities as represented in Special Condition No. 14 and 15.
- (8) Hourly emissions cap covers simultaneous re-filling of tanks pursuant to Special Condition No. 17 and emissions from tank roof landings attributable to routine product changes and planned maintenance, startup, and shutdown (MSS) activities as represented in Special Conditions No. 14 and 15.
- (9) Annual emissions cap for tanks covers routine emissions as well emissions from tank roof landings, controlled tank degassing, and uncontrolled tank degassing attributable to routine product changes and planned MSS activities.
- (10) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Date: June 24, 2020