

Emission Sources - Maximum Allowable Emission Rates

Permit Number 20485

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)
RSWLDFLR	Dock Flare	VOC (7)	40.40	27.66
		1,3 butadiene	40.40	9.51
		NO _x	11.67	13.29
		CO	46.34	48.15
		SO ₂	0.01	0.29
BDMTS3BA	Air Heater	VOC	0.04	0.06
		NO _x	0.70	1.06
		CO	0.59	0.89
		SO ₂	0.01	0.01
		PM	0.05	0.08
		PM ₁₀	0.05	0.08
		PM _{2.5}	0.05	0.08
BMDTS3F105	Regeneration Stack	VOC	5.03	2.50
WWCT1-6	Cooling Tower (5)	VOC (7)	33.55	18.37
		1,3 butadiene	15.03	8.23
		PM	4.82	3.67
		PM ₁₀	0.23	2.33
		PM _{2.5}	0.01	0.01
6-TK-48	Storage Tank No. 48	VOC	0.08	0.01
6-TK-72	Storage Tank No. 72	VOC	0.08	0.01
6-TK-73	Storage Tank No. 73	VOC	0.08	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

C4BUND	Bundle Furnaces	VOC	0.02	0.10
		NO _x	0.21	0.93
		CO	3.42	14.99
		SO ₂	0.01	0.01
		PM	1.00	4.38
		PM ₁₀	1.00	4.38
		PM _{2.5}	1.00	4.38
C4FUG	Fugitives (5)	VOC	11.17	48.92
C4ICE	Internal Combustion Engines (6)	VOC	5.41	0.07
		NO _x	67.92	0.88
		CO	14.64	0.19
		SO ₂	4.49	0.06
		PM	4.82	0.06
		PM ₁₀	4.82	0.06
		PM _{2.5}	4.82	0.06
C4ICEDFT	Diesel Fuel Tanks (6)	VOC	0.52	0.01
C4MCST	Miscellaneous Chemical Storage Tanks (6)	VOC	3.09	0.05
C4WW	C4 Wastewater	VOC	0.01	0.01
TK55	Tank No. 55	VOC	0.33	0.86
TK56	Tank No. 56	VOC	0.33	0.86
TK55 and TK56	Tank Nos. 55 and Tank 56 Annual Cap	VOC	--	0.86
MAINT-ALL	C4 Maintenance	VOC	27.57	4.29

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

MAINT - TO	Thermal Control Device	VOC	0.80	0.10
		NO _x	1.20	0.27
		CO	2.00	0.45
		SO ₂	0.01	0.01
		PM	0.04	0.01
		PM ₁₀	0.04	0.01
		PM _{2.5}	0.04	0.01

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) CO - carbon monoxide
NO_x - total oxides of nitrogen
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
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Emissions from several small internal combustion engines and storage tanks.
- (7) The VOC emissions rates include the 1,3-butadiene emissions listed under them.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Date: September 16, 2020