

Emission Sources - Maximum Allowable Emission Rates

Permit Number 106824

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)
PE-CT102	Cooling Tower CT102	VOC	2.16	8.49
		PM	0.68	2.67
		PM ₁₀	0.37	1.47
		PM _{2.5}	0.11	0.44
PE-FLARE2	Polyethylene Flare (Routine Operation)	NO _x	21.93	19.91
		CO	112.96	101.45
		SO ₂	0.37	0.27
		VOC	303.59	96.17
	Polyethylene Flare (MSS)	NO _x	154.92	0.62
		CO	798.07	3.17
		VOC	2327.50	2.33
		SO ₂	0.29	0.01
PE-DRYER1	Finishing Operations PE Line at North Side	PM	0.10	0.40
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
PE-LOAD1	Loading Operations PE Line at South Side	PM	0.10	0.13
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
PE-FINISH1	PE-DRYER1 and PE-LOAD1	VOC	14.40	35.00
PE-ADDVENT	Additives Vent on Polyethylene Line	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

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		PM _{2.5}	<0.01	<0.01
PE-FUG	Fugitive Emissions (5)	VOC	1.23	5.38
MAINT-MSS	Maintenance Fugitive Emissions (5)	VOC	27.58	0.10

- (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} - 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.

Date: July 31, 2020