

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19003

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)
MMA-PFL	MMA Process Emergency Flare	VOC	0.05	0.22
		SO ₂	0.01	0.02
		CO	0.76	3.31
		NO _x	0.90	3.94
MMA-DKFL	Dock Flare	MMA (6)	0.68	0.85
		VOC	0.18	0.37
		CO	1.52	3.08
		NO _x	0.40	0.83
		SO ₂	<0.01	<0.01
MMA-CTW	MMA Cooling Tower	VOC	1.25	5.48
		PM	0.74	1.26
		PM ₁₀	0.34	0.58
		PM _{2.5}	<0.01	<0.01
FMONO	MMA Area Fugitive Equipment (5)	VOC	2.85	12.49
LBSMP	Lab Sump	VOC	0.03	0.02
MMA-DOCK	MMA Dock Loading	VOC	2.53	0.62

- (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
- HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- MMA - Methyl methacrylate, which is a HAP

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Emission Sources - Maximum Allowable Emission Rates

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) MMA is an organic HAP which is not included in the VOC representation of Dock Flare (EPN: MMA-DKFL). Since MMA is not on the EPA's exempt solvent list, the total VOC of (EPN: MMA-DKFL) is the total emissions of MMA and VOC in the MAERT.

Date: _____ DATE

DRAFT