

Emission Sources - Maximum Allowable Emission Rates

Permit Number 40938

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)
SG/MEOH	Methanol Process Fugitives (5)	VOC	3.01	13.16
		CO	2.24	9.81
SGDOCKLOAD	South Dock Loading	VOC	11.12	3.81
SG105-24-1	Organic Waste Surge Vessel	VOC	1.95	1.05
SG105-24-1-1	Truck Loading	VOC	2.64	0.06
45350-2-26	Diesel Tank	VOC	0.11	<0.01
SMPL	Fugitives Sampling Bottles	VOC	0.02	<0.01
SG112-1-1	West Methanol Day Tank	VOC	1.53	1.38
SG112-11-1	East Methanol Day Tank	VOC	1.53	1.38
SG120-1-1	East Methanol Bulk Tank	VOC	1.14	2.28
SG120-2-1	West Methanol Bulk Tank	VOC	1.64	3.62
PW453-50-0	Emergency Foam Pump	VOC	0.14	0.01
		NO _x	1.49	0.07
		CO	0.32	0.02
		SO ₂	0.10	0.01
		PM ₁₀	0.11	0.01
SG/MEOH	Process Analyzer Vents	VOC	0.05	0.21
		CO	0.01	0.5
MSS-LMP	MSS Emissions	VOC	143.37	1.30
MSS-LMP-S	In-situ Sampling	CO	1.38	0.01

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MSS-LMP-AB	Abrasive Blasting	PM	2.86	0.02
		PM ₁₀	0.34	0.01
		PM _{2.5}	0.34	0.01

- (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: April 8, 2021