

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 (6)	2.96	12.96
		CO	2.86	12.54
SGDOCKLOAD	South Dock Loading	VOC (6)	11.12	3.81
SG105-24-1	Organic Waste Surge Vessel	VOC (6)	1.95	1.30
SG105-24-1-1	Truck Loading	VOC (6)	2.64	0.06
SG112-1-1	West Methanol Day Tank	VOC (6)	1.59	1.41
SG112-11-1	East Methanol Day Tank	VOC (6)	1.59	1.41
SG120-1-1	East Methanol Bulk Tank	VOC (6)	1.16	2.31
SG120-2-1	West Methanol Bulk Tank	VOC (6)	1.67	3.67
PRANLZVNT	Process Analyzer Vents	VOC (6)	0.05	0.21
		CO	0.01	0.5
MSS-LMP	MSS Emissions (7)	VOC (6)	153.99	2.78
MSS-TEMP	MSS Emissions to Temporary Control (7) (8)	VOC (6)	10.23	0.06
		NO _x	5.46	0.35
		CO	6.95	0.21
		SO ₂	0.15	0.02
		PM	0.29	0.03
		PM ₁₀	0.29	0.03
		PM _{2.5}	0.29	0.03
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
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
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.
- (6) The total VOC includes Methanol.
- (7) Only one day tank (FINs SG112-1-1 and SG112-11-1) and one bulk tank (FINs SG120-1-1 and SG120-2-1) shall be degassed to control at a time. No day tank nor bulk tank (FINs SG112-1-1, SG112-11-1, SG120-1-1, and SG120-2-1) shall be vented to the atmosphere while the crude methanol tank (FIN SG110-1-1) is venting to the atmosphere.
- (8) The portable thermal oxidizer and carbon adsorption system (CAS) shall not operate simultaneously.

Date: November 20, 2023