

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 38296

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. 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	
			lb/hr	TPY
55MM1515ST	Methanol Reformer	NO _x	283.97	1,243.79
		CO	63.54	278.32
		MeOH	6.39	28.01
		Propane	3.44	15.05
		Isobutane	2.97	13.01
		N-Butane	2.58	11.31
		Isopentane	1.29	5.63
		N-Pentane	1.05	4.58
		Hexane	0.34	1.51
55MSFUG	Methanol Unit Equipment Fugitives (4)	CO	0.30	1.30
		MeOH	0.75	3.25
		Propane	0.01	0.06
		Butane	0.01	0.05
		Ethanol	0.01	0.02
55MT18FUG	Methanol Unit Cooling Tower MT-18 9.93	MeOH		2.27
55T43ST	Storage Tank Scrubber System T-43 4.77	MeOH		3.34
60MN108ST/ 60MN109ST	Acrylic Acid Incinerator (5) 0.02	MeOH		0.05
55MN87FLR	Methanol Unit Emergency Flare (6) 0.51	NO _x		0.14
		CO	1.19	4.35

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Propane	0.01	0.04
Isobutane	0.01	0.02
N-Butane	0.01	0.02
Isopentane	<0.01	0.01
N-Pentane	<0.01	0.01
Hexane	<0.01	<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) NO_x - total oxides of nitrogen
CO - carbon monoxide
MeOH - methanol (methyl alcohol)
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions generated by methanol tank truck/rail car loading operations are routed under vacuum to the Acrylates Unit Incinerators MN-108 and MN-109 operating under Permit No. 264. Products of MeOH combustion are included in Permit No. 264.
- (6) Maximum allowable emissions listed for the flare are based on combustion of the fuel gas flow to the flare pilots only. Upset and maintenance-related emissions from the flare are not shown and are subject to the 30 Texas Administrative Code Chapter 101.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760
Hrs/year

Dated _____