

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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**
55MN1515ST	Methanol Reformer	CO	55.24	241.95
		CO (6)	1400.68	
		NO <sub>x</sub> 205.37	1235.78	
		MeOH	14.65	28.01
		PM <sub>10</sub> 12.47	54.61	
		Propane	5.76	26.19
		Isobutane	7.59	16.31
		N-Butane	7.59	13.51
		Isopentane	1.89	4.88
		N-Pentane	0.94	3.14
		Hexane	1.13	1.67
55MN87FLR	Methanol Unit Flare	CO	9.54	40.89
		NO <sub>x</sub> 78.71	8.44	
		VOC 0.09	0.28	
55MT18FUG	Methanol Unit Cooling Tower MT-18	MeOH	2.27	9.93
55T43ST	Storage Tank Scrubber System T-43	MeOH	6.28	13.15
60MN108ST/ 60MN109ST or 60MN3ST/ 60MN4ST	Acrylates I Incinerators (5) or Acrylates II Incinerators	MeOH	0.02	0.01
55MSFUG	Methanol Unit Equipment Process Fugitives (4)	CO	0.30	1.30
		MeOH	0.76	3.27
		Propane	0.01	0.06
		Butane	0.01	0.05
		Ethanol 0.01		

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
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/railcar loading operations are routed under vacuum to the Acrylates I Incinerators operating under Permit Number 264 or the Acrylates II Incinerators operating under Permit Number 31178. Products of MeOH combustion are included in Permit Numbers 264 and 31178.
- (6) The CO emissions are limited to Special Condition No. 2.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated April 26, 2005