

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 29010

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 Rates*	Source	Air Contaminant	<u>Emission</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	
<u>TPY**</u>				
BMA-1	Tank No. 91325	VOC	5.93	1.63
BMA-2	Tank No. 91326	VOC	7.41	0.66
BMA-4	Catalyst Storage	VOC	0.01	0.01
BMA-5	Catalyst Storage	VOC	0.01	0.01
BMA-9	Process Vessel	VOC	0.02	0.20
BMA-11	Process Vessel	VOC	0.011	0.06
BMA-13	Process Vessel	VOC	0.75	0.01
BMA-16	Byproduct Storage Tank	VOC	1.38	0.68
BMA-17	BMA Flare	CO	3.29	13.46
		NO <sub>x</sub>	0.38	1.57
		VOC	2.72	9.85
BMA-19	Product Storage Tank	VOC	0.10	0.45
BMA-20	Product Storage Tank	VOC	0.10	0.45
BMA-21	Bleed Stripper Bottoms Storage	VOC	0.01	0.02
BMA-23	Drain Tank	VOC	3.18	1.27

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates*	
			lb/hr	TPY**
BMA-24	Feed Tank	VOC	0.01	0.06
BMA-25	Recycle Tank	VOC	0.01	0.01
BMA-26	Product Loading	VOC	3.55	0.23
BMA-27	Stripper Bottoms Loading	VOC	1.78	0.01
BMA-FUG	Fugitives (4)	VOC	2.50	10.96
PN-MMA-1	Tank No. 28054	VOC	6.84	6.18
PN-MMA-2	Tank No. 96674	VOC	3.94	7.30
PN-MMA-3	DMMA Distillate Receiver	VOC	1.1	0.04
PN-MMA-4	Tank No. 03814	VOC	0.88	0.06
PN-MMA-5	Tank No. 03798	VOC	2.4	0.06
PN-MMA-8	Tank No. 28100	VOC	1.18	0.01
PN-MMA-9	Tank No. 91329	VOC	7.41	0.26
PN-MMA-10	Tank No. 90071	VOC	1.44	1.18
PN-MMA-11	Tank No. 90075	VOC	1.44	1.18
LOAD-1	Loading at P-North	VOC	3.69	0.52
MMA-FUG	DMMA Unit Fugitives	VOC	1.44	6.31

- (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) CO - carbon monoxide  
NO<sub>x</sub> - total oxides of nitrogen

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- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_ or Hrs/year 8,760
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated October 20, 2008