

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	
TPY				
BMA-1	Tank No. 91325	VOC	5.93	1.29
BMA-2	Tank No. 91326	VOC	7.41	1.29
BMA-3	Feedstock Storage Tank	VOC	0.053	0.18
BMA-4	Catalyst Storage	VOC	<0.01	<0.01
BMA-5	Catalyst Storage	VOC	<0.01	<0.01
BMA-9	Process Vessel	VOC	0.014	0.20
BMA-11	Process Vessel	VOC	0.011	0.06
BMA-13	Process Vessel	VOC	0.75	<0.01
BMA-15	Process Vessel	VOC	0.05	<0.01
BMA-16	Byproduct Storage Tank	VOC	1.38	0.68
BMA-17	BMA Flare	VOC	2.72	9.85
		NO _x	0.38	1.57
		CO	3.22	13.46
BMA-19	Product Storage Tank	VOC	0.10	0.45
BMA-20	Product Storage Tank	VOC	0.10	0.45

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
BMA-21	Bleed Stripper	VOC	0.01	0.02
	Bottoms Storage			
BMA-23	Drain Tank	VOC	4.48	1.27

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
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 <0.01	VOC		1.78
BMA-FUG	Fugitives (4)	VOC	2.50	10.96
PN-MMA-1	Tank No. 28054	VOC	5.69	6.5
PN-MMA-2	Tank No. 96674	VOC	3.94	6.2
PN-MMA-3	DMMA Distillate Receiver Start-Up/Upset Emissions Only			
PN-MMA-4	Tank No. 03814	VOC	0.88	0.04
PN-MMA-5	Tank No. 03798	Upset Emissions Only		
PN-MMA-8	Tank No. 28100	VOC	1.18	0.01
PN-MMA-9	Tank No. 91329	VOC	7.41	0.44
PN-MMA-10	Tank No. 90071	VOC	1.09	0.69
PN-MMA-11	Tank No. 90075	VOC	1.09	0.69
LOAD-1	Loading at P-North	VOC	3.23	1.17
MMA-FUG	DMMA Unit Fugitives	VOC	1.44	6.31

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- (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 General Rule 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
- (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

Dated _____