

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 19941

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)
001V	AE Tank	VOC	0.22	0.96
011V	EMA Tank	VOC	0.01	0.01
021V	VNT Tank	VOC	0.01	0.03
031V	ST Tank	VOC	0.00	0.17
051V	2-EHA Tank	VOC	0.01	0.01
061V	n-BMA Tank	VOC	0.02	0.07
071V	I-BMA Tank	VOC	0.01	0.02
081V	BA Tank	VOC	0.01	0.03
102V	MAA Tank	VOC	0.01	0.01
VENT1	Inside Monomers Tank	VOC	0.01	0.02
PSLOAD	BRG/BRL Process Tank	VOC	0.74	0.41
VENT2	Reactor/Prepared Solution Tanks Vent/Pilot Plant	VOC	6.98	2.58
430F	BRG/BRT Process Dryer Baghouse Vent	VOC	1.01	4.41
		PM	1.01	4.41
		PM <sub>10</sub>	1.01	4.41
		PM <sub>2.5</sub>	1.01	4.41
480F	BRL Process Bin Vent	VOC	0.20	0.86
		PM	0.20	0.85
		PM <sub>10</sub>	0.20	0.85
		PM <sub>2.5</sub>	0.20	0.85
504F	BRL Process Bin	VOC	0.06	0.28

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	Vent			
527F	BRG Process Packaging Scale	VOC	0.17	0.75
FUGIT	Plant-Wide Fugitives (5)	VOC	1.69	7.40
		PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	0.01	0.05
COOLTWR	Cooling Tower	VOC	0.11	0.46
		PM	0.28	1.24
		PM <sub>10</sub>	0.14	0.60
		PM <sub>2.5</sub>	0.01	0.01
BOILSTK	Boiler	VOC	0.11	0.50
		NO <sub>x</sub>	1.03	4.51
		SO <sub>2</sub>	0.01	0.05
		CO	1.73	7.57
		PM	0.16	0.69
		PM <sub>10</sub>	0.16	0.69
		PM <sub>2.5</sub>	0.16	0.69
CRBNADS	Carbon Adsorper	VOC	0.02	0.09
WWFUG	Wastewater	VOC	1.11	0.29

- (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
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- PM<sub>2.5</sub> - 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.

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Date: June 21, 2017