

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 3475A

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)
GBM001	Mix Tank Dust Collector	VOC	0.17	0.02
		non-VOC	0.08	0.01
		PM	0.19	0.04
		PM <sub>10</sub>	0.19	0.04
		PM <sub>2.5</sub>	0.19	0.04
GBM003	No. 1 Product Packaging Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM004	No. 2 Product Packaging Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM005	No. 1 Grind Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM006	No. 2 Grind Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM007	No. 3 Grind Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM008	No. 1 Adjusting Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM009	No. 2 Adjusting Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM010	No. 3 Adjusting Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM011	Digester Tank	VOC	0.01	0.01
GBM012	Propylene Glycol Storage Tank	VOC	0.05	0.01
GBM013	Wetting Agent Storage Tank	VOC	1.04	0.02
GBM014	Mill Feed Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM018	Packaging System	VOC	0.01	0.02
		non-VOC	0.01	0.02
GBM021	No. 3 Packaging Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01

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GBM023	Mill Receiver Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM025	Adjusting Batch Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM026	Spray Dryer Feed Tank	VOC	0.01	0.01
		non-VOC	0.01	0.01
GBM027	Spray Dryer Dust Collector	VOC	1.06	4.65
		non-VOC	2.31	10.14
		Chlorine	0.25	1.09
		PM	1.59	3.47
		PM <sub>10</sub>	1.59	3.47
		PM <sub>2.5</sub>	1.59	3.47
		NO <sub>x</sub>	0.97	2.13
		CO	6.02	9.20
		SO <sub>2</sub>	0.02	0.02
GBM028	Surfactant Storage Tank	VOC	0.01	0.01
GBM029	West Mix Tank Dust Collector	VOC	0.17	0.07
		non-VOC	0.08	0.05
		PM	0.08	0.16
		PM <sub>10</sub>	0.08	0.16
		PM <sub>2.5</sub>	0.08	0.16
GBM030	Bulk Liquid Loading	VOC	0.01	0.01
		non-VOC	0.01	0.01
FGBM01	Fugitives (5)	VOC	0.20	0.89
FGBM02	Fugitives	VOC	0.01	0.01
		non-VOC	0.01	0.01
		PM	0.59	1.14
		PM <sub>10</sub>	0.59	1.14
		PM <sub>2.5</sub>	0.59	1.14

- (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  
Non-VOC - these include: methylene chloride, perchloroethylene, acetone, and freon  
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

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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.

Date: August 20, 2018