

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 50218

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 (5)	
			lbs/hour	TPY (4)
1	Dryer Scrubber System (Controlling Exhaust from Dryers 1-5)	PM	7.48	27.46
2	1,000-HP Boiler	PM <sub>10</sub>	0.30	1.11
		PM <sub>2.5</sub>	0.30	1.11
		SO <sub>2</sub>	0.02	0.09
		NO <sub>x</sub>	3.99	14.65
		CO	3.35	12.30
		VOC	0.22	0.80
3	4 – Ethanol Storage Tanks (Working/Breathing Losses)	C <sub>2</sub> H <sub>5</sub> OH	0.60	1.24
4	4 – Ethanol Storage Tanks (Equipment Fugitive Losses)	C <sub>2</sub> H <sub>5</sub> OH	2.26	9.88
5	Ethanol Loadout (4 Storage Tanks)	C <sub>2</sub> H <sub>5</sub> OH	6.16	0.23
6	Warehouse Fugitives (6) (Hammermill, Bagging, and Truck Drop[7])	PM	0.38	0.43
		PM <sub>10</sub>	0.38	0.43
		PM <sub>2.5</sub>	0.38	0.43
7	Ethanol Emergency Storage Tank (8)	C <sub>2</sub> H <sub>5</sub> OH	--	--
8	Ethanol Emergency Storage Tank (8)	C <sub>2</sub> H <sub>5</sub> OH	--	--
9	Sal-CURB Spray Application Fugitive	VOC	1.43	6.26

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	Emissions (6)	HCHO	0.09	0.37
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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 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  
C<sub>2</sub>H<sub>5</sub>OH - ethanol  
HCHO - formaldehyde
- (4) Compliance with annual emission limits (tons per year) is based on a 24-month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (7) Truck drop operations may occur outside the Warehouse, when done as required by Special Condition 18.
- (8) Emergency storage tanks are listed on the maximum allowable emission rates table for reference only.

Date: October 24, 2012