

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 73201

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 (6)	
			lbs/hour	TPY (4)
P2	Truck Receiving Pit (5)	PM	0.02	--
		PM <sub>10</sub>	<0.01	--
		PM <sub>2.5</sub>	<0.01	--
NC5	Air System 5 Cyclone Stack (Receiving Pit, Pneumatic Receiving Cyclone, Black Seed and Dryer Surge Bin Vents, Receiving and Seed Transfer Legs)	PM	0.58	--
		PM <sub>10</sub>	0.40	--
		PM <sub>2.5</sub>	0.36	--
	Total Annual Receiving and Air System 5 Operations	PM	--	0.21
		PM <sub>10</sub>	--	0.06
		PM <sub>2.5</sub>	--	0.02
NC6	Dryer Air System 6 Cyclone Stack	PM	3.34	2.73
		PM <sub>10</sub>	3.34	2.73
		PM <sub>2.5</sub>	0.95	0.82
		VOC	0.03	0.06
		NO <sub>x</sub>	0.05	0.12
		SO <sub>2</sub>	<0.01	0.01
		CO	0.18	0.43
V4	Delinting Drum Vent and Drum Preheater Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		VOC	<0.01	<0.01
		NO <sub>x</sub>	0.01	<0.01

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		CO	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		HCl	3.06	7.20
F1	Buffing Reels Air System 1 Bagfilter Stack	PM	0.96	2.26
		PM <sub>10</sub>	0.96	2.26
		PM <sub>2.5</sub>	0.96	2.26
NC2	Seed Cleaner Air System 2 Cyclone Stack	PM	0.75	0.45
		PM <sub>10</sub>	0.19	0.11
		PM <sub>2.5</sub>	0.03	0.02
NC3	Air System 3 Cyclone Stack (Legs, Conveyors, Drum Dump Pit, Drum Surge Bin Vent, Reel Exit Leg, Primary Gravity Feeder Bin	PM	0.10	0.08
		PM <sub>10</sub>	0.04	0.03
		PM <sub>2.5</sub>	0.01	0.01
		NH <sub>3</sub>	0.30	0.70
C-6	Upstream Bagging (Bagger 1 and Bagger 3) Treating (Seed Treater 1) and Handling; and Downstream/Rebagging Bagging (Bagger 2) Treating (Seed Treater 2) and Handling (Two Cyclones)	PM	0.13	0.07
		PM <sub>10</sub>	0.05	0.03
		PM <sub>2.5</sub>	0.01	<0.01
L-CL	Cull Tank Loadout (5)	PM	0.22	0.17
		PM <sub>10</sub>	0.07	0.06
		PM <sub>2.5</sub>	0.01	0.01
		NH <sub>3</sub>	0.15	0.35
L-F	Fuzzy Seed Overhead Bins Loadout (5)	PM	0.22	<0.01
		PM <sub>10</sub>	0.07	<0.01
		PM <sub>2.5</sub>	0.01	<0.01

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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  
NH<sub>3</sub> - Ammonia  
HCl - Hydrochloric Acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12 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.

Dated: August 5, 2019