

Emission Sources - Maximum Allowable Emission Rates

Permit Number 84104

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)
P1	Rail Receiving Pit (5)	PM	1.28	--
		PM ₁₀	0.19	--
		PM _{2.5}	0.03	--
P2	Truck Receiving Pit (5)	PM	1.28	--
		PM ₁₀	0.19	--
		PM _{2.5}	0.03	
	Total Annual Receiving Operations	PM	--	0.51
		PM ₁₀	--	0.08
		PM _{2.5}	--	0.01
F1	Storage Bin Vent No. 1 Bagfilter Stack	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
F2	Storage Bin Vent No. 2 Bagfilter Stack	PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
C1	Broken Corn Cyclone Stack	PM	0.51	2.25
		PM ₁₀	0.51	2.25
		PM _{2.5}	0.51	2.25
C2	Drying Circuit No. 1 Cyclone Stack	PM	0.47	2.01
		PM ₁₀	0.24	1.01
		PM _{2.5}	0.04	0.17
C3	Drying Circuit No. 2 Cyclone Stack	PM	0.47	2.01
		PM ₁₀	0.24	1.01
		PM _{2.5}	0.04	0.17
C4	Drying Circuit No. 3 Cyclone Stack	PM	0.47	2.01
		PM ₁₀	0.24	1.01
		PM _{2.5}	0.04	0.17

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C5	Pericarp Aspirator Cyclone Stack	PM	0.53	0.11
		PM ₁₀	0.13	0.03
		PM _{2.5}	0.02	0.01
C6	Pericarp Hopper Cyclone Stack	PM	0.51	2.25
		PM ₁₀	0.51	2.25
		PM _{2.5}	0.51	2.25
H1	Corn Hopper Loadout (5)	PM	0.86	0.11
		PM ₁₀	0.29	0.04
		PM _{2.5}	0.05	0.01
H2	Pericarp Hopper Loadout (5)	PM	3.44	0.13
		PM ₁₀	1.16	0.04
		PM _{2.5}	0.20	0.01
L1	Bagging Line (5)	PM	1.29	2.58
		PM ₁₀	0.44	0.87
		PM _{2.5}	0.07	0.15
B1	Boiler Stack	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.07	0.30
		CO	0.76	3.31
		NO _x	0.90	3.94
		SO ₂	0.01	0.02
		VOC	0.05	0.22
B2	Drying Circuit No. 1 Burner Stack	PM	0.10	0.43
		PM ₁₀	0.10	0.43
		PM _{2.5}	0.10	0.43
		CO	1.09	4.78
		NO _x	1.30	5.69
		SO ₂	0.01	0.03
		VOC	0.07	0.31
B3	Drying Circuit No. 2 Burner Stack	PM	0.02	0.10
		PM ₁₀	0.02	0.10
		PM _{2.5}	0.02	0.10
		CO	0.25	1.10
B3	Drying Circuit No. 2 Burner Stack	NO _x	0.30	1.31
		SO ₂	0.01	0.01
		VOC	0.02	0.07

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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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as Represented
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: May 16, 2018