

Emission Sources - Maximum Allowable Emission Rates

Permit Number 153152

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)
F01A	Loading Hopper #1 (5) (7)	PM	2.81	12.29
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01B	Hopper to Infeed Conveyor (5) (7)	PM	0.42	1.84
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01C	Infeed Conveyor to Stacker (5) (7)	PM	2.81	12.29
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01D	Stacker Pile to Tunnel Conveyor (5) (7)	PM	0.28	1.23
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01E	Tunnel Conveyor to 3-way Splitter (5) (7)	PM	0.42	1.84
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01F	Splitter to Scalping Screen (5) (7)	PM	0.84	3.69
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01G	Screen to Conveyor (5) (7)	PM	<0.01	0.04
		PM ₁₀	--	--
		PM _{2.5}	--	--
F01H	Conveyor Stacker (5) (7)	PM	0.07	0.30
		PM ₁₀	--	--
		PM _{2.5}	--	--

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F02	Stockpiles	PM	--	3.05
		PM ₁₀	--	--
		PM _{2.5}	--	--
P01A	Dryer A Baghouse Stack	PM	0.27	1.17
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.27	1.17
		CO	2.96	12.99
		NO _x	1.75	7.66
		VOC	0.19	0.85
		SO ₂	0.02	0.09
P01B	Dryer B Baghouse Stack	PM	0.27	1.17
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.27	1.17
		CO	2.96	12.99
		NO _x	1.75	7.66
		VOC	0.19	0.85
		SO ₂	0.02	0.09
P01C	Dryer C Baghouse Stack	PM	0.27	1.17
		PM ₁₀	0.27	1.17
		PM _{2.5}	0.27	1.17
		CO	2.96	12.99
		NO _x	1.75	7.66
		VOC	0.19	0.85
		SO ₂	0.02	0.09
P02AB1	Dry Plant Loading Hopper (5) (7)	PM	0.08	0.55
		PM ₁₀	--	--
		PM _{2.5}	--	--
P02AB2-AB9	Dry Plant Screens and Conveyors AB2-AB9 Baghouse Stack	PM	2.57	11.26
		PM ₁₀	2.57	11.26

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		PM _{2.5}	--	--
P02C1	Loading Hopper (5)(7)	PM	0.04	0.55
		PM ₁₀	--	--
		PM _{2.5}	--	--
P02C2-C9	Dry Plant Screens and Conveyor C2-C9 Baghouse Stack	PM	1.71	7.51
		PM ₁₀	1.71	7.51
		PM _{2.5}	--	--
P03A-F	Storage Silos 1-6 Bin Vent Filter Stacks	PM	0.06	0.28
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03A	Truck Loadout Station 1 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03B	Truck Loadout Station 2 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03C	Truck Loadout Station 3 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03D	Truck Loadout Station 4 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03E	Truck Loadout Station 5 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F03F	Truck Loadout Station 6 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
F04	Conveyor of Reject Sand from Dry Plant to	PM	<0.01	0.02

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F05	Reject Sand Storage Pile (5)	PM ₁₀	<0.01	<0.01
		PM _{2.5}	--	--
		PM	0.03	0.12
		PM ₁₀	0.01	0.06
		PM _{2.5}	--	--

- (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_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - 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
 - 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.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.
- (7) Based on sieve test analyses on the raw materials, there is no expectation of fines from these sources.

Date: December 27, 2018