

Emission Sources - Maximum Allowable Emission Rates

Permit Number 164378

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)
F01A	Loading Hopper (5)	PM	3.74	16.39
		PM ₁₀	1.77	7.75
		PM _{2.5}	0.27	1.17
F01B	Hopper to Conveyor (5)	PM	0.56	2.46
		PM ₁₀	0.27	1.16
		PM _{2.5}	0.04	0.18
F01C	Conveyor to Wet Screen Deck (5)	PM	1.12	4.92
		PM ₁₀	0.53	2.33
		PM _{2.5}	0.08	0.35
F01D	Hydracyclone to Belt (5)	PM	0.02	0.09
F01E	Belt to Conveyor (5)	PM	0.02	0.09
F01F	Conveyor to Stacker (5)	PM	0.02	0.09
F02	Stockpiles	PM	--	0.76
P01A	Dryer A Baghouse Stack	CO	4.53	19.84
		NO _x	5.50	24.09
		VOC	0.30	1.30
		SO ₂	0.03	0.14
		PM	0.66	2.88
		PM ₁₀	0.41	1.79
		PM _{2.5}	0.41	1.79
P01B	Dryer B Baghouse Stack	CO	4.53	19.84
		NO _x	5.50	24.09
		VOC	0.30	1.30

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		SO ₂	0.03	0.14
		PM	0.66	2.88
		PM ₁₀	0.41	1.79
		PM _{2.5}	0.41	1.79
P01C	Dryer C Baghouse Stack	CO	4.53	19.84
		NO _x	5.50	24.09
		VOC	0.30	1.30
		SO ₂	0.03	0.14
		PM	0.66	2.88
		PM ₁₀	0.41	1.79
		PM _{2.5}	0.41	1.79
P01D	Dryer D Baghouse Stack	CO	4.53	19.84
		NO _x	5.50	24.09
		VOC	0.30	1.30
		SO ₂	0.03	0.14
		PM	0.66	2.88
		PM ₁₀	0.41	1.79
		PM _{2.5}	0.41	1.79
P02A1/2/3/4	Dry Plant Loading Hopper (5)	PM	0.23	1.02
P02B1/2/3/4	Dry Plant Hopper to Conveyor (5)	PM	0.01	0.06
DC-1	Dry Plant 1 Screens and Internal Transfer Points Baghouse Stack	PM	0.76	3.34
DC-2	Dry Plant 2 Screens and Internal Transfer Points Baghouse Stack	PM	0.76	3.34
DC-3	Dry Plant 3 Screens and Internal Transfer Points Baghouse Stack	PM	0.86	3.75
P03A	Storage Silo 1 Bin Vent (7)	PM	0.02	0.07

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P03B	Storage Silo 2 Bin Vent (7)	PM	0.02	0.07
P03C	Storage Silo 3 Bin Vent (7)	PM	0.02	0.07
P03D	Storage Silo 4 Bin Vent (7)	PM	0.02	0.07
P03E	Storage Silo 5 Bin Vent (7)	PM	0.02	0.07
P03F	Storage Silo 6 Bin Vent (7)	PM	0.02	0.07
Silo Cap	Storage Silo Bin Vent Cap	PM	0.05	0.20
P04	Truck Loadout Baghouse Stack	PM	0.34	1.50
F03	Conveyor of Reject Sand from Dry Plant to Wet Plant/Mine (5)	PM	0.06	0.26
F04	Reject Sand Stockpile (5)	PM	--	0.38

- (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) No more than three silos among Storage Silos 1 through 6 (EPN P03A – P03F) shall be loaded simultaneously. The hourly and annual cap represent the emissions from loading three silos simultaneously.

Date: August 31, 2022