Emission Sources - Maximum Allowable Emission Rates

Permit Number 150071

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	Wet Plant 1 Loading Hopper #1 (5) (7)	PM	3.74	13.11
F01B	Wet Plant 1 Hopper to Conveyor #1 (5) (7)	PM	0.56	1.97
F01C	Wet Plant 1 Conveyor to Stacker #1 (5) (7)	PM	3.74	13.11
F01D	Wet Plant 1 Loading Hopper #2 (5) (7)	PM	1.87	6.55
F01E	Wet Plant 1 Hopper to Conveyor #2 (5) (7)	PM	0.28	0.98
F01F	Wet Plant 1 Conveyor #2 to Infeed Conveyor (5) (7)	PM	0.28	0.98
F01G	Wet Plant 1 Conveyor to Wet Screen Deck (5) (7)	PM	0.56	1.97
F01H	Wet Plant 1 Hydracyclone to Belt Conveyor (5) (7)	PM	<0.01	0.02
F01I	Wet Plant 1 Belt to Conveyor (5) (7)	PM	0.05	0.32
F01J	Wet Plant 1 Conveyor to Stacker (5) (7)	PM	0.09	0.32
F10D	Wet Plant 2 Loading Hopper #3 (5) (7)	PM	1.87	6.55
F10E	Wet Plant 2 Hopper to Conveyor #3 (5) (7)	PM	0.28	0.98
F10F	Wet Plant 2 Conveyor to #3 to Infeed Conveyor (7)	PM	0.28	0.98
F10G	Wet Plant 2 Conveyor to Wet Screen Deck (5) (7)	PM	0.56	1.97
F10H	Wet Plant 2 Hydracyclone to Belt (5) (7)	PM	<0.01	0.02

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F10I	Wet Plant 2 Belt to Conveyor F01I	PM	0.05	0.16
F02	Washed Sand Stockpiles (5) (7)	PM	0.70	3.05
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
P02A	Dry Plant Loading Hopper (5) (7)	PM	0.12	0.55
P02B-J	Dry Plant Screens and Conveyors Baghouse Stack	PM	0.51	2.25
		PM_{10}	0.51	2.25
P03A-F	Storage Silos 1-6 Bin Vent Filter Stack	PM	0.03	0.13
		PM_{10}	<0.01	<0.01

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F03A	Truck Loadout Station 1 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F03B	Truck Loadout Station 2 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F03C	Truck Loadout Station 3 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F03D	Truck Loadout Station 4 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F03E	Truck Loadout Station 5 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F03F	Truck Loadout Station 6 Cartridge Filter Internal Exhaust (5)	PM	0.04	0.19
		PM_{10}	<0.01	<0.01
F04	Conveyor of Reject Sand from Dry Plant to Wet Plant/Mine (5)	PM	<0.01	0.02
		PM_{10}	<0.01	<0.01
F05	Reject Sand Storage Pile (5)	PM	0.03	0.12
		PM_{10}	0.01	0.06

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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: July 9, 2018