

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 151650

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)
DRYER-1	Rotary Dryer 1 Wet Scrubber Stack (73.8 MMBtu/hr)	PM	2.94	12.89
		PM <sub>10</sub>	2.94	12.89
		PM <sub>2.5</sub>	2.94	12.89
		NO <sub>x</sub>	7.38	32.32
		VOC	2.14	9.38
		CO	2.73	11.94
		SO <sub>2</sub>	0.05	0.22
DRYER-2	Rotary Dryer 2 Wet Scrubber Stack (73.8 MMBtu/hr)	PM	2.94	12.89
		PM <sub>10</sub>	2.94	12.89
		PM <sub>2.5</sub>	2.94	12.89
		NO <sub>x</sub>	7.38	32.32
		VOC	2.14	9.38
		CO	2.73	11.94
		SO <sub>2</sub>	0.05	0.22
DRYER-3	Rotary Dryer 3 Wet Scrubber Stack (73.8 MMBtu/hr)	PM	2.94	12.89
		PM <sub>10</sub>	2.94	12.89
		PM <sub>2.5</sub>	2.94	12.89
		NO <sub>x</sub>	7.38	32.32
		VOC	2.14	9.38
		CO	2.73	11.94
		SO <sub>2</sub>	0.05	0.22
SCREEN-1	Dry Screen House – Line 1 Dust Collector Stack	PM	0.10	0.38
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	<0.01	0.02

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SCREEN-2	Dry Screen House – Line 2 Dust Collector Stack	PM	0.10	0.38
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	<0.01	0.02
HANDLING-WET	Wet Plant Material Transfer Points (5)	PM	1.68	6.25
		PM <sub>10</sub>	0.55	2.05
		PM <sub>2.5</sub>	0.16	0.58
HANDLING-1	Dry Plant Material Transfer Points – Line 1 Dust Collector Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
HANDLING-2	Dry Plant Material Transfer Points – Line 2 Dust Collector Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
HANDLING-3	Dry Plant Material Transfer Points – Line 3 Dust Collector Stack	PM	<0.01	0.02
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
SILOS-1-24	Storage Silos 1-24 Dust Collector Stacks	PM	0.09	0.03
		PM <sub>10</sub>	0.03	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
LOADOUT-1	Truck Loadout – Line 1 Dust Collector Stack	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
LOADOUT-2	Truck Loadout – Line 2 Dust Collector Stack	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
LOADOUT-3	Truck Loadout – Line 3 Dust Collector Stack	PM	0.04	0.13
		PM <sub>10</sub>	0.01	0.05
		PM <sub>2.5</sub>	<0.01	<0.01
WASTE-SILO	Waste Sand Storage and Truck Loadout Dust Collector Stack	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01

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		PM <sub>2.5</sub>	<0.01	<0.01
STOCKPILE-1	Ore Stockpile (5)	PM	-	4.06
		PM <sub>10</sub>	-	2.03
		PM <sub>2.5</sub>	-	0.31
STOCKPILE-2a	Waste Stockpile (5)	PM	-	0.02
		PM <sub>10</sub>	-	0.01
		PM <sub>2.5</sub>	-	<0.01
STOCKPILE-2b	Waste Stockpile (5)	PM	-	0.02
		PM <sub>10</sub>	-	0.01
		PM <sub>2.5</sub>	-	<0.01
STOCKPILE-3	Wet Waste Stockpile (5)	PM	-	<0.01
		PM <sub>10</sub>	-	<0.01
		PM <sub>2.5</sub>	-	<0.01
STOCKPILE-4	Damp Stockpile (5)	PM	-	0.18
		PM <sub>10</sub>	-	0.09
		PM <sub>2.5</sub>	-	0.01
LOADOUT-1-MSS	Loadout Dust Collector MSS – Line 1 (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
LOADOUT-2-MSS	Loadout Dust Collector MSS – Line 2 (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
LOADOUT-3-MSS	Loadout Dust Collector MSS – Line 3 (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01

- (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

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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

- (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, except as specified in Special Condition No. 18, are not authorized by this permit and will need separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119.

Date: September 6, 2018