

Emission Sources - Maximum Allowable Emission Rates

Permit Number 21343

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)
101	Railcar Receiving Pit (5)	PM	0.64	0.50
		PM ₁₀	0.16	0.12
		PM _{2.5}	0.03	0.02
105	Truck Receiving Pit Bag Filter System Stack	PM	0.43	1.88
		PM ₁₀	0.43	1.88
		PM _{2.5}	0.43	1.88
220	Pre-Grind Hammer Mill No. 1 Bag Filter System Stack	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.15	0.66
219	Pre-Grind Hammer Mill No. 2 Bag Filter System Stack	PM	0.15	0.66
		PM ₁₀	0.15	0.66
		PM _{2.5}	0.15	0.66
129	Mill Receiving Turnhead Bag Filter System Stack	PM	0.13	0.56
		PM ₁₀	0.13	0.56
		PM _{2.5}	0.13	0.56
224	Ground Grain Distributor Bag Filter System Stack	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
MSV-01	Micro System Surge Bin Filter Vent	PM	0.05	0.21
		PM ₁₀	0.05	0.21
		PM _{2.5}	0.05	0.21
HAV-01 Project Number: 293676	Hand Add Station	PM	0.01	0.05

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	Filter Vent	PM ₁₀	0.01	0.05
		PM _{2.5}	0.01	0.05
MNS-01	Minor Ingredients Scale Filter Vent	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
MAS-01	Major Ingredients Scale Filter Vent	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
374	Post-Grind Hammer Mill No. 6 Bag Filter System Stack	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.17	0.75
373	Post-Grind Hammer Mill No. 5 Bag Filter System Stack	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.17	0.75
372	Post-Grind Hammer Mill No. 3 Bag Filter System Stack	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.17	0.75
RMSV-01	6-ton Ribbon Mixer Surge Hopper Vent	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
ABFS-1	Aspirator Bag Filter System Stack	PM	0.30	1.31
		PM ₁₀	0.30	1.31
		PM _{2.5}	0.30	1.31
BNV-1	Silo 602 Bin Vent	PM	0.03	0.12
		PM ₁₀	0.03	0.12
		PM _{2.5}	0.03	0.12
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BNV-2	Silo 617 Bin Vent	PM	0.03	0.07

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		PM _{2.5}	0.02	0.07
BNV-3	Bin 303 Filter Vent	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
BNV-4	Bin 304 Filter Vent	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	0.02	0.07
CB-01	Pneumatic Screener Conveyance Bag Filter System Stack	PM	0.02	0.08
		PM ₁₀	0.02	0.08
		PM _{2.5}	0.02	0.08
SB-01	Waste Surge Bin 1 Filter Vent	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
SB-02	Waste Surge Bin 2 Filter Vent	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
SB-03	Waste Surge Bin 3 Filter Vent	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
Bag-01	Bagging Machines Bag Filter System Stack	PM	0.11	0.47
		PM ₁₀	0.11	0.47
		PM _{2.5}	0.11	0.47
382 Project Number: 293676	Mash Distributor Bag Filter System Stack	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
452	Pellet Coolers 1 - 4 Scrubber Stack	PM	0.47	0.49

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		PM _{2.5}	0.01	0.01
602B	Product Return Hopper (5)	PM	0.21	0.04
		PM ₁₀	0.07	0.01
		PM _{2.5}	0.01	<0.01
707A	350 HP Boiler No. 1 Stack	PM	0.22	--
		PM ₁₀	0.22	--
		PM _{2.5}	0.22	--
		VOC	0.16	--
		NO _x	2.93	--
		CO	2.46	--
		SO ₂	0.09	--
707B	350 HP Boiler No. 2 Stack	PM	0.22	--
		PM ₁₀	0.22	--
		PM _{2.5}	0.22	--
		VOC	0.16	--
		NO _x	2.93	--
		CO	2.46	--
		SO ₂	0.09	--
	Total Boiler Operations	PM	--	0.81
		PM ₁₀	--	0.81
		PM _{2.5}	--	0.81
		VOC	--	0.59
		NO _x	--	10.65
		CO	--	8.95
		SO ₂	--	0.32
602 Project Number: 293676	Truck Loadout No. 1 (5)	PM	3.10	2.68
		PM ₁₀	1.04	0.90
		PM _{2.5}	0.18	0.15

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	(5)	PM ₁₀	1.04	0.90
		PM _{2.5}	0.18	0.15

- (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.

Date: April 9, 2019