

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 (5)	
			lbs/hour	TPY (4)
101	Railcar Receiving Pit fugitive emissions	PM	6.80	5.30
		PM ₁₀	1.00	0.78
		PM _{2.5}	0.17	0.13
105	Truck Receiving Pit Bag Filter System Stack	PM	0.86	0.67
		PM ₁₀	0.86	0.67
		PM _{2.5}	0.86	0.67
130	Pneumatic Receiving Bag Filter System (Indoor Vent)	PM	0.05	0.23
		PM ₁₀	0.05	0.23
		PM _{2.5}	0.05	0.23
	Total Receiving Operations	PM	--	5.30
		PM ₁₀	--	0.78
		PM _{2.5}	--	0.67
129	Mill Receiving Turnhead Bag Filter System Stack	PM	0.26	0.18
		PM ₁₀	0.26	0.18
		PM _{2.5}	0.26	0.18
220	Pre-Grind Hammer Mill No. 1 Bag Filter System Stack	PM	0.30	0.78
		PM ₁₀	0.30	0.78
		PM _{2.5}	0.30	0.78
219	Pre-Grind Hammer Mill No. 2 Bag Filter System Stack	PM	0.30	0.78
		PM ₁₀	0.30	0.78
219	Pre-Grind Hammer	PM _{2.5}	0.30	0.78

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	Mill No. 2 Bag Filter System Stack			
372	Post-Grind Hammer Mill No. 3 Bag Filter System Stack	PM	0.34	0.89
		PM ₁₀	0.34	0.89
		PM _{2.5}	0.34	0.89
373	Post-Grind Hammer Mill No. 5 Bag Filter System Stack	PM	0.34	0.89
		PM ₁₀	0.34	0.89
		PM _{2.5}	0.34	0.89
374	Post-Grind Hammer Mill No. 6 Bag Filter System Stack	PM	0.34	0.89
		PM ₁₀	0.34	0.89
		PM _{2.5}	0.34	0.89
382	Mash Distributor Bag Filter System Stack	PM	0.17	0.45
		PM ₁₀	0.17	0.45
		PM _{2.5}	0.17	0.45
452	Pellet Cooler Scrubber Stack	PM	3.00	9.36
		PM ₁₀	3.00	9.36
		PM _{2.5}	3.00	9.36
224	Ground Grain Distributor Bag Filter System Stack	PM	0.17	0.45
		PM ₁₀	0.17	0.45
		PM _{2.5}	0.17	0.45
602	Truck Loadout	PM	3.10	2.68
		PM ₁₀	1.04	0.90
		PM _{2.5}	0.18	0.15
707A	350 HP Boiler No. 1 Stack	PM	0.22	0.81
		PM ₁₀	0.22	0.81
		PM _{2.5}	0.22	0.81

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		VOC	0.16	0.59
		NO _x	2.93	10.65
		CO	2.46	8.95
		SO ₂	0.02	0.06
707B	350 HP Boiler No. 2 Stack	PM	0.22	0.81
		PM ₁₀	0.22	0.81
		PM _{2.5}	0.22	0.81
		VOC	0.16	0.59
		NO _x	2.93	10.65
		CO	2.46	8.95
		SO ₂	0.02	0.06
	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	--	0.06

- (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
- 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.

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(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

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