

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1913

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)
P1	North Truck Pit (5)	PM	1.19	--
		PM ₁₀	0.18	--
		PM _{2.5}	0.09	--
P2	Main Rail Pit (5)	PM	1.19	--
		PM ₁₀	0.18	--
		PM _{2.5}	0.09	--
P3	Alley Truck Pit (5)	PM	1.22	--
		PM ₁₀	0.18	--
		PM _{2.5}	0.09	--
P4	Southeast Truck Pit (5)	PM	1.02	--
		PM ₁₀	0.15	--
		PM _{2.5}	0.08	--
P5	Mineral Receiving Pit (5)	PM	0.43	--
		PM ₁₀	0.06	--
		PM _{2.5}	0.03	--
P6	Back Rail Pit (5)	PM	1.02	--
		PM ₁₀	0.15	--
		PM _{2.5}	0.08	--
C1REC	Commodity Warehouse Receiving (5)	PM	1.28	--
		PM ₁₀	0.19	--
		PM _{2.5}	0.10	--
C2REC	Commodity Barn #2 Receiving (5)	PM	2.13	--
		PM ₁₀	0.31	--
		PM _{2.5}	0.16	--

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	Total Annual Bulk Receiving (5)	PM	--	4.68
		PM ₁₀	--	0.69
		PM _{2.5}	--	0.36
TXR1	Cracker Transfer Pit (5)	PM	1.08	3.79
		PM ₁₀	0.09	0.31
		PM _{2.5}	0.01	0.05
C2M1	Feed Mixer (5)	PM	1.53	4.08
		PM ₁₀	0.85	2.27
		PM _{2.5}	0.15	0.39
BF1	Hammermill Bagfilter Stack	PM	0.36	1.58
		PM ₁₀	0.36	1.58
		PM _{2.5}	0.36	1.58
CYC1	Grain Cleaner Cyclone Stack	PM	1.86	8.17
		PM ₁₀	0.47	2.07
		PM _{2.5}	0.47	2.07
CYC2	Pellet Cooler Cyclone Stack	PM	0.23	0.42
		PM ₁₀	0.03	0.06
		PM _{2.5}	0.01	0.01
B1	Boiler Stack	PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		VOC	0.02	0.10
		NO _x	0.40	1.75
		SO ₂	0.00	0.01
		CO	0.33	1.47
LO1	Overhead Bin Loadout (5)	PM	0.02	--
		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--
LO2	Mineral Bins Loadout (5)	PM	0.02	--

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		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--
LO3	Overhead Bin Loadout (5)	PM	0.02	--
		PM ₁₀	0.01	--
		PM _{2.5}	0.01	--
C2LO4	Commodity Barn #2 Loadout (5)	PM	0.25	--
		PM ₁₀	0.06	--
		PM _{2.5}	0.06	--
LO5	North Loadout (5)	PM	0.23	--
		PM ₁₀	0.06	--
		PM _{2.5}	0.06	--
LO6	Loadout 6 (5)	PM	0.17	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.04	--
C1LO	Commodity Warehouse Loadout (5)	PM	0.25	--
		PM ₁₀	0.06	--
		PM _{2.5}	0.06	--
	Total Annual Bulk Loadout (5)	PM	--	0.91
		PM ₁₀	--	0.22
		PM _{2.5}	--	0.22

- (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: February 6, 2019

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