

Emission Sources - Maximum Allowable Emission Rates

Permit Number 82401

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	
			lbs/hour	TPY (4)
1	Truck Receiving Pit #1 (5)	PM	0.63	0.68
		PM ₁₀	0.14	0.16
		PM _{2.5}	0.02	0.03
2	Truck Receiving Pit #2 (5)	PM	0.63	0.68
		PM ₁₀	0.14	0.16
		PM _{2.5}	0.02	0.03
3	Truck Receiving Pit #3 (5)	PM	0.63	0.68
		PM ₁₀	0.14	0.16
		PM _{2.5}	0.02	0.03
4	Rail Receiving Pit #1 (5)	PM	0.32	0.68
		PM ₁₀	0.08	0.16
		PM _{2.5}	0.01	0.03
5	Rail Receiving Pit #2 (5)	PM	0.32	0.68
		PM ₁₀	0.08	0.16
		PM _{2.5}	0.01	0.03
	Total Grain Receiving Operations (5) (1, 2, 3, 4, and 5)	PM	--	0.68
		PM ₁₀	--	0.16
		PM _{2.5}	--	0.03
19 and 20	Conveyor Commodity Receiving (5)	PM	3.61	2.92
		PM ₁₀	1.22	0.99
		PM _{2.5}	0.21	0.17
6	Boiler	PM ₁₀	0.11	0.26
		PM _{2.5}	0.11	0.26
		VOC	0.08	0.19
		NO _x	1.39	3.48
		SO ₂	0.01	0.02

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		CO	1.17	2.92
7	Cyclone #1 (Concrete Elevator)	PM	1.65	4.11
		PM ₁₀	1.65	4.11
		PM _{2.5}	1.65	4.11
8	Cyclone #2 (Concrete Elevator)	PM	1.65	4.11
		PM ₁₀	1.65	4.11
		PM _{2.5}	1.65	4.11
9	Cyclone #3 (Flake Cooler #1)	PM	3.00	7.49
		PM ₁₀	1.50	3.74
		PM _{2.5}	1.50	3.74
10	Cyclone #4 (Flake Cooler #2)	PM	3.00	7.49
		PM ₁₀	1.50	3.74
		PM _{2.5}	1.50	3.74
18	Flat Storage Barn #1 (5)	PM	0.02	0.05
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	0.01
11	Flat Storage Barn #2 (5)	PM	0.86	0.22
		PM ₁₀	0.29	0.07
		PM _{2.5}	0.05	0.01
12	Flat Storage Barn #3 (5)	PM	0.86	0.22
		PM ₁₀	0.29	0.07
		PM _{2.5}	0.05	0.01
13	Truck Loadout #1 (5)	PM	15.48	4.57
		PM ₁₀	5.22	1.52
		PM _{2.5}	0.88	0.31
14	Truck Loadout #2 (5)	PM	15.48	4.57
		PM ₁₀	5.22	1.52
		PM _{2.5}	0.88	0.31
15	Truck Loadout #3 (5)	PM	15.48	4.57
		PM ₁₀	5.22	1.52
		PM _{2.5}	0.88	0.31
16	Truck Loadout #4 (5)	PM	15.48	4.57
		PM ₁₀	5.22	1.52

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		PM _{2.5}	0.88	0.31
17	Overhead Bin Loadout (5)	PM	8.60	4.57
		PM ₁₀	2.90	1.52
		PM _{2.5}	0.49	0.31
18A	Mill Loadout (5)	PM	0.17	4.57
		PM ₁₀	0.04	1.52
		PM _{2.5}	0.04	0.31
	Total Grain Loadout Operations (5) (13, 14, 15, 16, 17, and 18A)	PM	--	4.57
		PM ₁₀	--	1.52
		PM _{2.5}	--	0.31
19A	Commodity Barn #1 Loadout (5)	PM	4.30	14.62
		PM ₁₀	1.45	4.93
		PM _{2.5}	0.25	0.83
20A	Commodity Barn #2 Loadout (5)	PM	4.30	14.62
		PM ₁₀	1.45	4.93
		PM _{2.5}	0.25	0.83
	Total Commodity Loadout Operations (5) (19A and 20A)	PM	--	14.62
		PM ₁₀	--	4.93
		PM _{2.5}	--	0.83

(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) 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

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

CO - carbon monoxide

(4) Compliance with annual emission limits (tons per year) is based on a rolling 12-month period.

(5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: April 24, 2012