

Emission Sources - Maximum Allowable Emission Rates

Permit Number 73424

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)
RP-1-1	Truck Receiving Pit No. 1	PM	3.40	5.95
		PM ₁₀	0.50	0.88
		PM _{2.5}	0.50	0.88
RP-2-1	Truck Receiving Pit No. 2	PM	3.40	5.95
		PM ₁₀	0.50	0.88
		PM _{2.5}	0.50	0.88
RP-3-1	Truck Receiving Pit No. 3	PM	3.40	5.95
		PM ₁₀	0.50	0.88
		PM _{2.5}	0.50	0.88
	Total Truck Receiving Operations (RP-1-1, RP-2-1, and RP-3-1)	PM	--	5.95
		PM ₁₀	--	0.88
		PM _{2.5}	--	0.88
RP-4-1	Railcar Receiving Pit	PM	4.08	1.55
		PM ₁₀	0.60	0.23
		PM _{2.5}	0.60	0.23
DC-4	Railcar Receiving Pit Transfer Baghouse	PM	1.41	6.18
		PM ₁₀	1.41	6.18
		PM _{2.5}	1.41	6.18
DC-1	Grain Transfer Headhouses Nos. 1 and 3 Baghouse	PM	0.34	1.50
		PM ₁₀	0.34	1.50
		PM _{2.5}	0.34	1.50
DC-2	Headhouse No. 1 Top Belt Baghouse	PM	0.43	1.87
		PM ₁₀	0.43	1.87
		PM _{2.5}	0.43	1.87
DC-3	Headhouse No. 3 Top Belt Cartridge Filter	PM	0.09	0.38
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38

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C-1-1	Headhouse No. 1 Grain Handling and Storage Cyclone	PM	2.31	10.14
		PM ₁₀	2.31	10.14
		PM _{2.5}	2.31	10.14
C-1-2	Headhouse No. 1 Grain Handling and Storage Cyclone	PM	2.31	10.14
		PM ₁₀	2.31	10.14
		PM _{2.5}	2.31	10.14
C-2-1	Headhouse No. 2 Grain Handling and Storage Cyclone	PM	3.86	16.89
		PM ₁₀	3.86	16.89
		PM _{2.5}	3.86	16.89
C-3-1	Headhouse No. 3 Grain Handling and Storage Cyclone	PM	3.60	15.77
		PM ₁₀	3.60	15.77
		PM _{2.5}	3.60	15.77
D-1	Dryer No. 1	PM	19.80	7.13
		PM ₁₀	4.95	1.78
		PM _{2.5}	4.95	1.78
		SO ₂	< 0.01	< 0.01
		NO _x	2.19	0.79
		CO	1.84	0.66
		VOC	0.12	0.04
D-2	Dryer No. 2	PM	19.80	7.13
		PM ₁₀	4.95	1.78
		PM _{2.5}	4.95	1.78
		SO ₂	< 0.01	< 0.01
		NO _x	2.19	0.79
		CO	1.84	0.66
		VOC	0.12	0.04
	Total Drying Operations (D-1 and D-2)	PM	--	7.13
		PM ₁₀	--	1.78
		PM _{2.5}	--	1.78
		SO ₂	--	< 0.01
		NO _x	--	0.79
		CO	--	0.66
		VOC	--	0.04
B-1	Flaker Boiler/Dryer No. 1	PM	0.10	0.45

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		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.04
		NO _x	1.19	5.22
		CO	1.13	4.93
		VOC	0.07	0.32
B-2	Flaker Boiler/Dryer No. 2	PM	0.10	0.45
		PM ₁₀	0.10	0.45
		PM _{2.5}	0.10	0.45
		SO ₂	0.01	0.04
		NO _x	1.19	5.22
		CO	1.13	4.93
		VOC	0.07	0.32
C-F-1	Flaker Dryer/Cooler No. 1 Cyclone	PM	3.09	13.52
		PM ₁₀	3.09	13.52
		PM _{2.5}	3.09	13.52
C-F-2	Flaker Dryer/Cooler No. 2 Cyclone	PM	3.09	13.52
		PM _{2.5}	3.09	13.52
		PM _{2.5}	3.09	13.52
D-F-1	Flaker Dump No. 1 to Bunker	PM	0.11	0.47
		PM ₁₀	0.03	0.16
		PM _{2.5}	0.03	0.16
D-F-2	Flaker Dump No. 2 to Bunker	PM	0.11	0.47
		PM ₁₀	0.03	0.16
		PM _{2.5}	0.03	0.16
DC-5	Roller Mill Baghouse	PM	0.17	0.75
		PM ₁₀	0.17	0.75
		PM _{2.5}	0.17	0.75
L-1-1	Headhouse No. 1 Truck Loadout 1	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62
L-1-2	Headhouse No. 1 Truck Loadout 2	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62

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L-1-3	Headhouse No. 1 Truck Loadout 3	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62
L-1-4	Headhouse No. 1 Truck Loadout 4	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62
L-1-5	Headhouse No. 1 Truck Loadout 5	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62
L-1-6	Headhouse No. 1 Railcar Loadout 6	PM	0.76	10.84
		PM ₁₀	0.03	3.65
		PM _{2.5}	0.01	0.62
L-2-1	Headhouse No. 2 Truck Loadout 1	PM	1.29	10.84
		PM ₁₀	0.44	3.65
		PM _{2.5}	0.07	0.62
L-3-1	Headhouse No. 3 Truck Loadout 1	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62
L-3-2	Headhouse No. 3 Truck Loadout 2	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62
L-3-3	Headhouse No. 3 Truck Loadout 3	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62
L-3-4	Headhouse No. 3 Truck Loadout 4	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62
L-3-5	Headhouse No. 3 Truck Loadout 5	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62
L-3-6	Headhouse No. 3 Truck Loadout 6	PM	5.16	10.84
		PM ₁₀	1.74	3.65
		PM _{2.5}	0.29	0.62

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L-3-7	Headhouse No. 3 Railcar Loadout 7	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-3-8	Headhouse No. 3 Railcar Loadout 8	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-3-9	Headhouse No. 3 Railcar Loadout 9	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-3-10	Headhouse No. 3 Railcar Loadout 10	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-3-11	Headhouse No. 3 Railcar Loadout 11	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-3-12	Headhouse No. 3 Railcar Loadout 12	PM	1.62	10.84
		PM ₁₀	0.13	3.65
		PM _{2.5}	0.02	0.62
L-F-1	Flaked Material Loadout	PM	0.43	10.84
		PM ₁₀	0.15	3.65
		PM _{2.5}	0.02	0.62
L-R-1	Roller Mill Loadout	PM	1.72	10.84
		PM ₁₀	0.58	3.65
		PM _{2.5}	0.10	0.62
	Total Loadout Operations (L-1-1, L-1-2, L-1-3, L-1-4, L-1-5, L-1-6, L-2-1, L-3-1, L-3-2, L-3-3, L-3-4, L-3-5, L-3-6, L-3-7, L-3-8, L-3-9, L-3-10, L-3-11, L-3-12, L- F-1, and L-R-1)	PM	--	10.84
		PM ₁₀	--	3.65
		PM _{2.5}	--	0.62

- (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

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- 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
- SO₂ - sulfur dioxide
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date October 30, 2012