

Emission Sources - Maximum Allowable Emission Rates

Permit Number 19383

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)
A	Truck Receiving Pit A (5)	PM	0.26	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.02	--
B	Truck Receiving Pit B (5)	PM	0.26	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.02	--
C	Truck Receiving Pit C (5)	PM	0.26	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.02	--
D	Railcar Receiving Pit D (5)	PM	0.32	--
		PM ₁₀	0.08	--
		PM _{2.5}	0.01	--
E	Truck Receiving Pit E (5)	PM	0.26	--
		PM ₁₀	0.04	--
		PM _{2.5}	0.02	--
	Combined Annual Truck and Rail Receiving (5)	PM	--	0.35
		PM ₁₀	--	0.05
		PM _{2.5}	--	0.03
Pit A & B	Receiving Pit A & B Bagfilter Stack	PM	0.05	--
		PM ₁₀	0.01	--
		PM _{2.5}	<0.01	--
Pit C	Receiving Pit C	PM	0.02	--

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		PM ₁₀	<0.01	--
		PM _{2.5}	<0.01	--
Pit D	Receiving Pit D Bagfilter Stack	PM	0.03	--
		PM ₁₀	0.01	--
		PM _{2.5}	<0.01	--
Pit E	Receiving Pit E Bagfilter Stack	PM	0.02	--
		PM ₁₀	<0.01	--
		PM _{2.5}	<0.01	--
	Total Annual Receiving Bagfilter Operations	PM	--	0.03
		PM ₁₀	--	<0.01
		PM _{2.5}	--	<0.01
1	Scalper 1 Baghouse Stack	PM	0.04	0.05
		PM ₁₀	0.04	0.05
		PM _{2.5}	0.01	0.01
101	Scalper 2 Baghouse Stack	PM	0.04	0.05
		PM ₁₀	0.04	0.05
		PM _{2.5}	0.01	0.01
39	Scalper 3 Baghouse Stack	PM	0.04	0.05
		PM ₁₀	0.04	0.05
		PM _{2.5}	0.01	0.01
16	Auger to Sifter Corn Storage Silo 1 Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
17	Dust Collector Sifter U1 Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
18	Flour Silos 1 & 2 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01

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19	Flour Silos 3 & 4 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
20	Flour Silos 5 & 6 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
21	Flour Silos 7 & 8 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
22	Flour Silos 9 & 10 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
23	Flour Silos 11 & 12 Baghouse Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
24	Flour Silo 13 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
25	Flour Silo 15 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
26	Flour Silo 17 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
27	Flour Silo 19 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
28	Flour Silo 21 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01

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		PM _{2.5}	<0.01	<0.01
29	Flour Silo 23 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
30	Flour Packing Cyclone Bagfilter Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	<0.01
8	Column Grain Dryer 1 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
9	Column Grain Dryer 2 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
37	Column Grain Dryer 3 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02

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38	Column Grain Dryer 4 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
40	Column Grain Dryer 5 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
41	Column Grain Dryer 6 Vent	PM	13.29	3.33
		PM ₁₀	3.39	0.85
		PM _{2.5}	0.66	0.17
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
41	Column Grain Dryer 6 Vent	VOC	0.07	0.02
2	Screener 1/Corn Cleaners Baghouse Stack	PM	0.05	0.08
		PM ₁₀	0.05	0.07
		PM _{2.5}	0.01	0.01
102	Screener 2 & 3 Baghouse Stack	PM	0.05	0.08
		PM ₁₀	0.05	0.07
		PM _{2.5}	0.01	0.01
48	Flour Silo 25 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01

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		PM _{2.5}	<0.01	<0.01
49	Flour Silo 27 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
50	Flour Silo 29 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
107	Lime Silo 2 Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
44	Lime Silo 1 Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
104	Lime Hopper 2 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
106	Lime Hopper 4 Baghouse Stack	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
3	250 HP Boiler 1 Stack	PM	0.08	0.34
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.08	0.34
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.86	3.79
		VOC	0.06	0.25
12	250 HP Boiler 2 Stack	PM	0.08	0.34
		PM ₁₀	0.08	0.34

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		PM _{2.5}	0.08	0.34
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.86	3.79
		VOC	0.06	0.25
42	250 HP Boiler 3 Stack	PM	0.08	0.34
		PM ₁₀	0.08	0.34
		PM _{2.5}	0.08	0.34
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.86	3.79
		VOC	0.06	0.25
112	250 HP Boiler 4 Stack	PM	0.09	0.41
		PM ₁₀	0.09	0.41
		PM _{2.5}	0.09	0.41
		SO ₂	0.01	0.03
		NO _x	1.23	5.39
		CO	1.03	4.53
		VOC	0.07	0.30
4	Hammermill 1/Drying Circuit Cyclone Stack	PM	2.45	10.74
		PM ₁₀	2.45	10.74
		PM _{2.5}	2.45	10.74
		SO ₂	0.01	0.05
		NO _x	1.76	7.73
		CO	1.48	6.49
		VOC	0.10	0.43

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13	Hammermill 2/Drying Circuit Cyclone Stack	PM	2.45	10.74
		PM ₁₀	2.45	10.74
		PM _{2.5}	2.45	10.74
		SO ₂	0.01	0.05
		NO _x	1.76	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
14	Hammermill 2/Drying Circuit 2 Cyclone Stack	PM	3.06	13.40
		PM ₁₀	3.06	13.40
		PM _{2.5}	3.06	13.40
		SO ₂	0.01	0.02
		NO _x	0.78	3.44
		CO	0.66	2.89
14	Hammermill 2/Drying Circuit 2 Cyclone Stack	VOC	0.04	0.19
43	Hammermill 3/Drying Circuit Cyclone Stack	PM	2.45	10.74
		PM ₁₀	2.45	10.74
		PM _{2.5}	2.45	10.74
		SO ₂	0.01	0.05
		NO _x	1.76	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
113	Hammermill 4/Drying Circuit Cyclone Stack	PM	2.81	12.31
		PM ₁₀	2.81	12.31
		PM _{2.5}	2.81	12.31
		SO ₂	0.01	0.05
		NO _x	1.76	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
114	Hammermill 4/Drying	PM	3.06	13.40

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		PM ₁₀	3.06	13.40
		PM _{2.5}	3.06	13.40
		SO ₂	0.01	0.02
		NO _x	0.78	3.44
		CO	0.66	2.89
		VOC	0.04	0.19
5	Rotary Flour Cooler 1 Cyclone Stack	PM	1.54	6.76
		PM ₁₀	1.54	6.76
		PM _{2.5}	1.54	6.76
15	Rotary Flour Cooler 2 Cyclone Stack	PM	1.54	6.76
		PM ₁₀	1.54	6.76
		PM _{2.5}	1.54	6.76
45	Rotary Flour Cooler 3 Cyclone Stack	PM	1.54	6.76
		PM ₁₀	1.54	6.76
		PM _{2.5}	1.54	6.76
115	Rotary Flour Cooler 4 Cyclone Stack	PM	1.54	6.76
		PM ₁₀	1.54	6.76
		PM _{2.5}	1.54	6.76
108	Corn Skin Separator 4 Bagfilter Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
109	Corn Skin Separator 4A Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
116	Auger to Sifter Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
117	Flour Silo Dust Collector Stack	PM	0.01	<0.01

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		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
118	Flour Silo 31 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
119	Flour Silo 32 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
120	Flour Silo 33 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
121	Flour Silo 34 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
122	Flour Silo 35 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
123	Flour Silo 36 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
124	Flour Silo 26 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
125	Flour Silo 28 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
126	Flour Silo 30 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01

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53	Skin Separator Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
54	Remill 1 & 2 Dust Collector Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
55	Remill 3 Baghouse Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
6	Packing Bin 1 Baghouse Stack	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	0.01
7	Packing Bin 2 Baghouse Stack	PM	0.02	0.07
		PM ₁₀	0.02	0.07
		PM _{2.5}	<0.01	0.01
31	Packing 15 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	0.01
32	Packing 16 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	0.01
33	Packing 17 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	0.01
34	Packing 18 Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	<0.01	0.01
35	Auger to Sifter Baghouse Stack	PM	0.01	0.02
		PM ₁₀	0.01	0.02

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5}	<0.01	<0.01
47	Dust Collector Sifter U4 Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
51	Railcar Loading Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
52	Railcar Loading Dust Collector Stack	PM	<0.01	0.01
		PM ₁₀	<0.01	0.01
		PM _{2.5}	<0.01	<0.01
RAILLOAD	Railcar Loading Fugitives (5)	PM	0.01	0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
147	Flour Silo 14 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
148	Flour Silo 16 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
149	Flour Silo 18 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
150	Flour Silo 20 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
151	Flour Silo 22 Dust Collector Stack	PM	0.01	<0.01
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
152	Flour Silo 24 Dust Collector Stack	PM	0.01	<0.01

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		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.01	<0.01
AA-99 TANK	AA-99 Liquid Storage Tank 1	VOC	0.67	0.04
AA-99 FUG	AA-99 Fugitive Sources (5)	VOC	0.48	2.09
AA-99 Tank 2	AA-99 Liquid	VOC	0.67	0.04
AA-00 FUG2	AA-99 Fugitives Sources 2 (5)	VOC	0.33	1.43
CORNMILL	Corn Milling Process	VOC	0.02	0.04

- (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: May 26, 2017