

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. 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 *	
			lb/hr	TPY
A	Truck Receiving Pit A (4)	PM	0.68	0.24
		PM ₁₀	0.22	0.08
Pit A&B	Truck Receiving Pit A&B Baghouse	PM/PM ₁₀	0.86	3.76
B	Truck Receiving Pit B (4)	PM	0.68	0.24
		PM ₁₀	0.22	0.08
C	Truck Receiving Pit C (4)	PM	0.68	0.24
		PM ₁₀	0.22	0.08
Pit C	Truck Receiving Pit C Baghouse	PM/PM ₁₀	0.43	1.88
D	Railcar Receiving Pit D (4)	PM	0.03	0.04
		PM ₁₀	0.01	0.01
Pit D	Railcar Receiving Pit D Baghouse	PM/PM ₁₀	0.86	3.76
1	Scalper 1 Baghouse	PM/PM ₁₀	0.29	--
101	Scalper 2 Baghouse	PM/PM ₁₀	0.29	--
39	Scalper 3 Baghouse	PM/PM ₁₀	0.29	--
	Total Scalper Baghouse Operations	PM/PM ₁₀	--	3.84
16	Auger to Sifter Corn Storage Silo 1 Baghouse	PM/PM ₁₀	0.09	0.38
18	Corn Storage Silo 2	PM/PM ₁₀	0.06	0.26

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
	Baghouse			
19	Corn Storage Silo 3 Baghouse	PM/PM ₁₀	0.06	0.26
20	Corn Storage Silo 4 Baghouse	PM/PM ₁₀	0.06	0.26
21	Corn Storage Silo 5 Baghouse	PM/PM ₁₀	0.06	0.26
22	Corn Storage Silo 6 Baghouse	PM/PM ₁₀	0.06	0.26
23	Corn Storage Silo 7 Baghouse	PM/PM ₁₀	0.06	0.26
24	Corn Storage Silo 8 Baghouse	PM/PM ₁₀	0.06	0.26
25	Corn Storage Silo 9 Baghouse	PM/PM ₁₀	0.06	0.26
26	Corn Storage Silo 10 Baghouse	PM/PM ₁₀	0.06	0.26
27	Corn Storage Silo 11 Baghouse	PM/PM ₁₀	0.06	0.26
28	Corn Storage Silo 12 Baghouse	PM/PM ₁₀	0.06	0.26
29	Corn Storage Silo 13 Baghouse	PM/PM ₁₀	0.06	0.26
30	Corn Storage Silo 14 Baghouse	PM/PM ₁₀	0.09	0.38
8	Column Grain Dryer 1	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		SO ₂	0.01	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
9	Column Grain Dryer 2	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		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	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28
		VOC	0.07	0.02
38	Column Grain Dryer 4	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		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	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		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	PM	13.29	3.33
		PM ₁₀	3.39	0.86
		SO ₂	0.01	<0.01
		NO _x	1.23	0.33
		CO	1.03	0.28

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		VOC	0.07	0.02
2	Screener 1 Baghouse	PM/PM ₁₀	0.43	1.88
102	Screener 2 Baghouse	PM/PM ₁₀	0.43	1.88
48	Daily Use Silo 1 Baghouse	PM/PM ₁₀	0.06	0.26
49	Daily Use Silo 2 Baghouse	PM/PM ₁₀	0.06	0.26
50	Daily Use Silo 3 Baghouse	PM/PM ₁₀	0.06	0.26
107	Lime Silo Baghouse	PM/PM ₁₀	0.04	0.20
44	Lime Bin 1 Baghouse	PM/PM ₁₀	0.06	0.26
104	Lime Hopper 1 Baghouse	PM/PM ₁₀	0.02	0.06
106	Lime Hopper 2 Baghouse	PM/PM ₁₀	0.02	0.06
AA-99 TANK	AA-99 Liquid Storage Tank	VOC	0.67	0.04
AA-99 FUG	AA-99 Fugitive Sources (4)	VOC	0.48	2.09
AA-99 TANK2	AA-99 Liquid Storage Tank	VOC	0.67	0.04
AA-99 FUG2	AA-99 Fugitive Sources 2 (4)	VOC	0.33	1.43
CORNMILL	Corn Milling Process	VOC	<0.02	0.04
3	250 HP Boiler 1	PM/PM ₁₀	0.08	0.34

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.87	3.79
		VOC	0.06	0.25
12	250 HP Boiler 2	PM/PM ₁₀	0.08	0.34
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.87	3.79
		VOC	0.06	0.25
42	250 HP Boiler 3	PM/PM ₁₀	0.08	0.34
		SO ₂	0.01	0.03
		NO _x	1.03	4.51
		CO	0.87	3.79
		VOC	0.06	0.25
112	300 HP Boiler 4	PM/PM ₁₀	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	PM/PM ₁₀	2.45	10.72
		SO ₂	0.01	0.05
		NO _x	1.77	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
13	Hammermill 2/Drying Circuit Cyclone	PM/PM ₁₀	2.45	10.72
		SO ₂	0.01	0.05
		NO _x	1.77	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
14	Hammermill 2/Drying Circuit 2 Cyclone	PM/PM ₁₀	3.06	13.40
		SO ₂	0.01	0.02
		NO _x	0.78	3.44

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		CO	0.66	2.89
		VOC	0.43	0.19
43	Hammermill 3/Drying Circuit Cyclone	PM/PM ₁₀	2.45	10.72
		SO ₂	0.01	0.05
		NO _x	1.77	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
113	Hammermill 4/Drying Circuit Cyclone	PM/PM ₁₀	2.81	12.30
		SO ₂	0.01	0.05
		NO _x	1.77	7.73
		CO	1.48	6.49
		VOC	0.10	0.43
114	Hammermill 4/Drying Circuit 2 Cyclone	PM/PM ₁₀	3.06	13.40
		SO ₂	0.01	0.02
		NO _x	0.78	3.44
		CO	0.66	2.89
		VOC	0.43	0.19
5	Rotary Flour Cooler 1 Cyclone	PM/PM ₁₀	1.54	6.76
15	Rotary Flour Cooler 2 Cyclone	PM/PM ₁₀	1.54	6.76
45	Rotary Flour Cooler 3 Cyclone	PM/PM ₁₀	1.54	6.76
115	Rotary Flour Cooler 4 Cyclone	PM/PM ₁₀	1.54	6.76
108	Flour Silo 1 Baghouse	PM/PM ₁₀	0.34	1.50
109	Flour Silo 2 Baghouse	PM/PM ₁₀	0.34	1.50
116	Flour Silo 3 Baghouse	PM/PM ₁₀	0.09	0.38

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
117	Flour Silo 4 Baghouse	PM/PM ₁₀	0.04	0.19
118	Flour Silo 5 Baghouse	PM/PM ₁₀	0.06	0.26
119	Flour Silo 6 Baghouse	PM/PM ₁₀	0.06	0.26
120	Flour Silo 7 Baghouse	PM/PM ₁₀	0.06	0.26
121	Flour Silo 8 Baghouse	PM/PM ₁₀	0.06	0.26
122	Flour Silo 9 Baghouse	PM/PM ₁₀	0.06	0.26
123	Flour Silo 10 Baghouse	PM/PM ₁₀	0.06	0.26
124	Flour Silo 11 Baghouse	PM/PM ₁₀	0.06	0.26
125	Flour Silo 12 Baghouse	PM/PM ₁₀	0.06	0.26
126	Flour Silo 13 Baghouse	PM/PM ₁₀	0.06	0.26
53	Skin Separator Baghouse	PM/PM ₁₀	0.06	0.26
54	Remill 1 Baghouse	PM/PM ₁₀	0.06	0.26
55	Remill 2 Baghouse	PM/PM ₁₀	0.06	0.26
6	Packing Bin 1	PM/PM ₁₀	0.04	0.19

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			lb/hr	TPY
	Baghouse			
7	Packing Bin 2 Baghouse	PM/PM ₁₀	0.04	0.19
31	Packing 15 Baghouse	PM/PM ₁₀	0.09	0.38
32	Packing 16 Baghouse	PM/PM ₁₀	0.09	0.38
33	Packing 17 Baghouse	PM/PM ₁₀	0.09	0.38
34	Packing 18 Baghouse	PM/PM ₁₀	0.09	0.38
35	Auger to Sifter 19 Baghouse	PM/PM ₁₀	0.09	0.38

- (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	- particulate matter, suspended in the atmosphere, including PM ₁₀
PM ₁₀	- particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
SO ₂	- sulfur dioxide
NO _x	- total oxides of nitrogen
CO	- carbon monoxide
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative § 101.1
 - (4) Fugitive emissions are an estimate only.
- * Refer to the confidential file and Special Conditions for throughput limitations and basis of emission rates.

Dated July 28, 2006