

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 3509A

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
PIT-1	Receiving Pit No. 1	PM	4.25	
		PM ₁₀	0.63	
PIT-2	Receiving Pit No. 2	PM	4.59	
		PM ₁₀	0.68	
PIT-3	Receiving Pit No. 3	PM	4.25	
		PM ₁₀	0.63	
PIT-4	Truck Receiving Pit (Corn Cleaning)	PM	0.12	
		PM ₁₀	0.02	
PIT-5	Rail Receiving Pit (Corn Cleaning)	PM	0.12	
		PM ₁₀	0.02	
RR-1	Rail Receiving	PM	15.30	
		PM ₁₀	2.25	
	Total Receiving Operations	PM		6.16
		PM ₁₀		0.91
CY-1	Aspirator	PM ₁₀	5.40	
CY-2	Aspirator	PM ₁₀	5.40	
CY-3	Aspirator	PM ₁₀	5.40	
CY-4	Aspirator	PM ₁₀	2.20	
	Total Aspirator Throughput	PM ₁₀		25.12

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
D1-1	Complex 1-Dryer 1	PM	1.88	
		PM ₁₀	0.50	
		VOC	0.05	
		NO _x	2.24	
		CO	0.56	
		SO ₂	0.01	
D1-2	Complex 1-Dryer 2	PM	1.88	
		PM ₁₀	0.50	
		VOC	0.05	
		NO _x	2.24	
		CO	0.56	
		SO ₂	0.01	
D2-1	Complex 2-Dryer 1	PM	1.88	
		PM ₁₀	0.50	
		VOC	0.05	
		NO _x	2.24	
		CO	0.56	
		SO ₂	0.01	
D2-2	Complex 2-Dryer 2	PM	1.88	
		PM ₁₀	0.50	
		VOC	0.05	
		NO _x	2.24	
		CO	0.56	
		SO ₂	0.01	
D3-1	Complex 3-Dryer 1	PM	25.23	
		PM ₁₀	6.33	
		VOC	0.11	
		NO _x	5.46	
		CO	1.37	
		SO ₂	0.02	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
D3-2	Complex 3-Dryer 2	PM	25.23	
		PM ₁₀	6.33	
		VOC	0.11	
		NO _x	5.46	
		CO	1.37	
		SO ₂	0.02	
	Total Drying Operations	PM		15.20
		PM ₁₀		3.89
		VOC		1.76
		NO _x		87.06
		CO		21.76
		SO ₂		0.36
CY-5	Main Tunnel Conveying	PM	11.14	3.89
		PM ₁₀	2.70	0.94
CY-C1	Gravity Separator Tables	PM	2.23	3.09
		PM ₁₀	0.54	0.75
CY-C2	Gravity Separator Tables	PM	1.49	2.06
		PM ₁₀	0.36	0.50
CY-C3	Gravity Separator Tables	PM	1.49	2.06
		PM ₁₀	0.36	0.50
CY-C4	Stoner and Gravity Separator Tables	PM	2.23	3.09
		PM ₁₀	0.54	0.75
CY-C5	Gravity Separator Tables	PM	1.49	2.06
		PM ₁₀	0.36	0.50
CY-C6	Receiving Leg	PM	7.43	10.31
		PM ₁₀	1.80	2.50

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
CY-C7	Receiving Shaker	PM	7.43	10.31
		PM ₁₀	1.80	2.50
CY-C8	Shipping Leg	PM	7.43	10.31
		PM ₁₀	1.80	2.50
SHIP-1	Shipping Area No. 1 (Product Bagging)	PM	0.26	
		PM ₁₀	0.06	
SHIP-2	Shipping Area No. 2 (Wheat Cracks)	PM	0.37	
		PM ₁₀	0.10	
SHIP-3	Shipping Area No. 3 (Corn Cracks)	PM	0.93	
		PM ₁₀	0.25	
SHIP-4	Truck Loadout (Corn Cleaning)	PM	0.62	
		PM ₁₀	0.21	
SHIP-5	Rail Loadout (Corn Cleaning)	PM	0.19	
		PM ₁₀	0.02	
TS-1	Truck Loadout	PM	6.45	
		PM ₁₀	2.18	
	Total Loadout Operations	PM		6.24
		PM ₁₀		2.10
BAG-A	Bag Filter System A	PM ₁₀	1.67	7.31

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
 - (2) Specific point source names. For fugitive sources use area name or fugitive source name.
 - (3) PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - 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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
- * Refer to Special Condition No. 1 for throughput limitations and basis of emission rates.

Dated September 11, 2003