

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 29322

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

<u>Emission Rates*</u>		Source	Air Contaminant	<u>Emission</u>	
Point	No.			Name	(2)
Name (3)		(1)			
		lb/hr	ton/yr		
119		Railcar Receiving (a)	TSP	15.79	8.85
			PM ₁₀	3.94	2.21
102		Truck Receiving Pit	PM ₁₀	0.86	0.17
		Bag Filter System (b)			
149		Receiving Turnhead	PM ₁₀	0.18	0.08
		Bag Filter System (c)			
161		Pneumatic Receiving	PM ₁₀	0.07	<0.01
		Bag Filter System No. 1 (d)			
163		Pneumatic Receiving	PM ₁₀	0.07	<0.01
		Bag Filter System No. 2 (d)			
165		Pneumatic Receiving	PM ₁₀	0.07	<0.01
		Bag Filter System No. 3 (d)			
227		Hammermilling Bag	PM ₁₀	0.60	1.56
		Filter System No.1 (e)			
257		Hammermilling Bag	PM ₁₀	0.60	1.56
		Filter System No.2 (e)			
248		Ground Grain Turnhead	PM ₁₀	0.17	0.44
		Bag Filter System (f)			

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AIR

CONTAMINANTS DATA

<u>Emission Rates*</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>			
<u>Name (3)</u>	<u>lb/hr</u>	<u>ton/yr</u>		
555	Pellet Cooler	TSP	9.8	21.84
	Cyclone System (g)	PM ₁₀	4.9	10.92
785	Truck Loadout No. 1 (h)	TSP	0.39	
		PM ₁₀	0.10	
786	Truck Loadout No. 2 (h)	TSP	0.39	
		PM ₁₀	0.10	
	Total Loadout Operations (i)	TSP		0.33
		PM ₁₀		0.09
901	400 Hp Boiler (j)	PM ₁₀	0.18	0.78
		SO ₂	0.01	0.03
		NO _x	1.87	8.17
		CO	0.47	2.05
		VOC	0.08	0.35
903	400 Hp Boiler (j)	PM ₁₀	0.18	0.78
		SO ₂	0.01	0.03
		NO _x	1.87	8.17
		CO	0.47	2.05
		VOC	0.08	0.35

(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) TSP - total suspended particulate matter, including PM₁₀

PM₁₀ - particulate matter less than 10 microns

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SO₂ - sulfur dioxide
NO_x - nitrogen oxide
CO - carbon monoxide
VOC - volatile organic compounds

- (a) Emission rates are based on and the facilities are limited to an hourly throughput of 450 tons and an annual throughput of 504,400 tons of grain.
- (b) Emission rates are based on and the facilities are limited to an hourly throughput of 225 tons and an annual throughput of 88,400 tons of grain.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 225 tons and an annual throughput of 198,640 tons of grain.
- (d) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 4,160 tons of bulk commodities.
- (e) Emission rates are based on and the facilities are limited to an hourly throughput of 50 tons and an annual throughput of 195,000 tons of commodities.
- (f) Emission rates are based on and the facilities are limited to an hourly throughput of 100 tons and an annual throughput of 390,000 tons of ground grain.
- (g) Emission rates are based on and the facilities are limited to an hourly throughput of 70 tons and an annual throughput of 312,000 tons of ground grain.

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- (h) Emission rates are based on and the facilities are limited to an hourly throughput of 360 tons of feed pellets.
- (i) Emission rates are based on and the facilities are limited to an annual throughput of 624,000 tons of feed pellets.
- (j) Emission rates are based on and the facilities are limited to an operating schedule of 24 hrs/day, 7 days/wk, 52 wk/yr.

Dated_____