

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3564

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	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>#/hr</u>	<u>TPY</u>
1	Rail Receiving Pit (a)	TSP	18.00	6.30
		PM <sub>10</sub>	9.00	3.15
2	Truck Receiving	PM <sub>10</sub>	1.29	<0.01
	Pit No. 1 Bag Filter System (b)			
3	Truck Receiving Pit No. 2 (c)	TSP	0.45	0.09
		PM <sub>10</sub>	0.23	0.05
A	Bin Vent Bag Filter (d)	PM <sub>10</sub>	0.12	0.53
B	Commodity Receiving Bag filter (e)	PM <sub>10</sub>	0.19	0.19
28	Roller Mill No. 1 Cooler Cyclone (f)	PM <sub>10</sub>	0.70	1.50
101	Roller Mill No. 2 Cooler Cyclone (g)	PM <sub>10</sub>	0.70	1.75
107	Aspirator Cyclone (h)	PM <sub>10</sub>	1.80	1.50
68	Boiler (i)	PM <sub>10</sub>	0.03	0.10
		VOC	0.03	0.10
		NO <sub>x</sub>	0.70	2.01
		CO	0.13	0.40

		SO <sub>2</sub>	<0.01	0.02
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81	Pellet Mill No. 1 Cooler Cyclones (j)	PM <sub>10</sub>	1.00	1.50
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82	Pellet Mill No. 2 Cooler Cyclones (k)	PM <sub>10</sub>	2.0	5.50
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81	Pellet Mill No. 3 Cooler Cyclones (l)	PM <sub>10</sub>	1.20	1.50
56	Truck Loadout (m)	TSP PM <sub>10</sub>	2.70 1.35	7.87 3.93
57	Rail Loadout (n)	TSP PM <sub>10</sub>	9.0 4.5	0.40 0.20
58A	Pellet Bagging Station (o)	TSP PM <sub>10</sub>	0.60 0.30	0.38 0.19
58B	Feed Bagging Station (p)	TSP PM <sub>10</sub>	0.60 0.30	0.22 0.11

- (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 General Rule 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter  
 PM<sub>10</sub> - particulate matter less than 10 microns  
 CO - carbon monoxide  
 TSP - total suspended particulate matter including PM<sub>10</sub>
- (a) Emission rates are based on and the facilities are limited to an hourly throughput of 100 tons and an annual throughput of 70,000 tons of grain.
- (b) Emission rates are based on and the facilities are limited to an hourly throughput of 100 tons and an annual throughput of 140,000 tons of grain.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 25 tons and an annual throughput of 10,000 tons of grain.
- (d) Emission rates are based on and the facilities are limited to operate a maximum of 8,640 hours per year
- (e) Emission rates are based on and the facilities are limited to operate a maximum of 2,000

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hours per year

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- (f) Emission rates are based on and the facilities are limited to an hourly throughput of 7 tons and an annual throughput of 29,940 tons of grain.
- (g) Emission rates are based on and the facilities are limited to an hourly throughput of 7 tons and an annual throughput of 35,000 tons of grain.
- (h) Emission rates are based on and the facilities are limited to an hourly throughput of 18 tons and an annual throughput of 30,000 tons of grain.
- (i) Emission rates are based on and the facilities are limited to an hourly throughput of 6,690 ft<sub>3</sub> and an annual throughput of 40,000,000 ft<sub>3</sub> of natural gas.
- (j) Emission rates are based on and the facilities are limited to an hourly throughput of 10 tons and an annual throughput of 30,000 tons of pellets.
- (k) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 110,000 tons of pellets.
- (l) Emission rates are based on and the facilities are limited to an hourly throughput of 12 tons and an annual throughput of 30,000 tons of pellets.
- (m) Emission rates are based on and the facilities are limited to an hourly throughput of 30 tons and an annual throughput of 175,000 tons of finished feed.
- (n) Emission rates are based on and the facilities are limited to an hourly throughput of 100 tons and an annual throughput of 9,000 tons of finished feed.
- (o) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 25,000 tons of pellets.
- (p) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 15,000 tons of finished feed.

Dated \_\_\_\_\_