

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4411A

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 1 (a)	TSP	45.00	6.03
		PM <sub>10</sub>	22.50	3.02
PIT-2	Receiving Pit 2 (b)	TSP	48.60	16.98
		PM <sub>10</sub>	24.30	8.49
PIT-3	Receiving Pit 3 (a)	TSP	45.00	6.03
		PM <sub>10</sub>	22.50	3.02
CY-1	Aspirator (c)	PM <sub>10</sub>	5.40	
CY-2	Aspirator (c)	PM <sub>10</sub>	5.40	
CY-3	Aspirator (d)	PM <sub>10</sub>	5.40	
	Total Corn (e) Aspirated	PM <sub>10</sub>		25.12
D1-1	Complex 1-Dryer 1 (f)	PM <sub>10</sub>	5.12	
		VOC	0.04	
		NO <sub>x</sub>	2.24	
		CO	0.56	
		SO <sub>2</sub>	< 0.01	
D1-2	Complex 1-Dryer 2 (f)	PM <sub>10</sub>	5.12	
		VOC	0.04	
		NO <sub>x</sub>	2.24	
		CO	0.56	
		SO <sub>2</sub>	< 0.01	

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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	
TPY				
D2-1	Complex 2-Dryer 1 (f)	PM <sub>10</sub>	5.12	
		VOC	0.04	
		NO <sub>x</sub>	2.24	
		CO	0.56	
		SO <sub>2</sub>	< 0.01	
D2-2	Complex 2-Dryer 2 (f)	PM <sub>10</sub>	5.12	
		VOC	0.04	
		NO <sub>x</sub>	2.24	
		CO	0.56	
		SO <sub>2</sub>	< 0.01	
D3-1	Complex 3-Dryer 1 (g)	PM <sub>10</sub>	15.32	
		VOC	0.11	
		NO <sub>x</sub>	5.46	
		CO	1.36	
		SO <sub>2</sub>	0.02	
D3-2	Complex 3-Dryer 2 (g)	PM <sub>10</sub>	15.32	
		VOC	0.11	
		NO <sub>x</sub>	5.46	
		CO	1.36	
		SO <sub>2</sub>	0.02	
	Total Corn Dried (e)	PM <sub>10</sub>		11.14
		VOC		1.18
		NO <sub>x</sub>		59.40
		CO		31.57
		SO <sub>2</sub>		0.26
CY-5	Main Tunnel Conveying (b)	PM <sub>10</sub>	20.25	9.56
SHIP-1	Shipping Area No. 1 (h) (product bagging)	PM <sub>10</sub>	0.07	0.26

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	
<u>TPY</u>				
SHIP-2	Shipping Area No. 2 (i) (wheat cracks)	TSP	3.04	0.07
		PM <sub>10</sub>	1.52	0.04
SHIP-3	Shipping Area No. 3 (j) (corn cracks)	TSP	3.04	0.09
		PM <sub>10</sub>	1.52	0.05
	Bag Filter System A (k)	PM <sub>10</sub>	1.49	5.87
	Bag Filter System B (l)	PM <sub>10</sub>	1.83	3.54
	Bag Filter System D (m)	PM <sub>10</sub>	0.52	2.02

- (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 PM<sub>10</sub>  
VOC - volatile organic compounds  
PM<sub>10</sub> - particulate matter less than 10 microns  
CO - carbon monoxide  
NO<sub>x</sub> - nitrogen oxides  
SO<sub>2</sub> - sulfur dioxide
- (a) Emission rates are based on and the facilities are limited to an hourly throughput of 250 tons and an annual throughput of 67,000 tons of grain.
- (b) Emission rates are based on and the facilities are limited to an hourly throughput of 270 tons and an annual throughput of 188,680 tons of grain.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 112 tons of grain.
- (d) Emission rates are based on and the facilities are limited to an hourly throughput of 336 tons of grain.
- (e) Emission rates are based on and the facilities are limited to an annual throughput of 201,000 tons of grain.
- (f) Emission rates are based on and the facilities are limited to an hourly throughput of 56 tons of grain.
- (g) Emission rates are based on and the facilities are limited to an hourly throughput of 168 tons of grain.

- (h) Emission rates are based on and the facilities are limited to an hourly throughput of 15 tons and an annual throughput of 117,000 tons of grain.
- (i) Emission rates are based on and the facilities are limited to an hourly throughput of 33.75 tons and an annual throughput of 1,600 tons of grain.

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- (j) Emission rates are based on and the facilities are limited to an hourly throughput of 33.75 tons and an annual throughput of 2,060 tons of grain.
- (k) Emission rates are based on and the facilities are limited to an hourly throughput of 9 tons and an annual throughput of 53,040 tons of grain through the wheat handling and cleaning equipment.
- (l) Emission rates are based on and the facilities are limited to an hourly throughput of 10.5 tons and an annual throughput of 68,640 tons of grain through the popcorn handling and cleaning equipment.
- (m) Emission rates are based on and the facilities are limited to an hourly throughput of 15 tons and an annual throughput of 116,815 tons of grain through the wheat and popcorn loadout equipment.

Dated \_\_\_\_\_