

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56289

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
BAG3	Railcar Receiving Hopper No. 1 Bagfilter (a)	PM ₁₀	0.90	2.48
BAG4	Railcar Receiving Hopper No. 2 Bagfilter (a)	PM ₁₀	0.90	2.48
BAG5	Rail Receiving Hopper No. 3 Bagfilter (a)	PM ₁₀	0.90	2.48
BAG6	Truck Receiving Hopper No. 1 Bagfilter (b)	PM ₁₀	2.01	3.73
BAG7	Truck Receiving Hopper No. 2 Bagfilter (b)	PM ₁₀	2.01	3.73
	Railcar Receiving Hopper No. 1 (c)	PM	2.84	--
		PM ₁₀	0.63	--
	Railcar Receiving Hopper No. 2 (c)	PM	2.84	--
		PM ₁₀	0.63	--
	Railcar Receiving Hopper No. 3 (c)	PM	2.84	--
		PM ₁₀	0.63	--
	Truck Receiving Hopper No. 1 (d)	PM	2.10	--
		PM ₁₀	0.47	--
	Truck Receiving Hopper No. 2 (d)	PM	2.10	--
		PM ₁₀	0.47	--

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			lb/hr	TPY
	Total Receiving Operations (e)	PM	--	7.80
		PM ₁₀	--	1.74
BAG2	North Head House Bagfilter (f)	PM ₁₀	3.57	4.39
BAG1	Bin Deck Bagfilter (g)	PM ₁₀	3.63	4.45
BAG20	South Head House Bagfilter (h)	PM ₁₀	3.33	11.66
BAG00	South Head House "200" Conveyors		PM ₁₀	0.43
	Bagfilter (i)	1.51		
BAG21	Steel Bins Reclaim Bagfilter (j)	PM ₁₀	1.71	6.00
BAG22	Top of South Head House Legs Bagfilter (j)	PM ₁₀	1.71	6.00
	Truck Loadout Spout (k)	PM	7.74	--
		PM ₁₀	2.61	--
	Railcar Loadout Spout (k)	PM	2.43	--
		PM ₁₀	0.20	--
FUG10	Vessel Loading Arm No. 1 West (l)	PM	5.76	--
		PM ₁₀	1.44	--
FUG11	Vessel Loading Arm No. 3 East (l)	PM	5.76	--
		PM ₁₀	1.44	--
	Total Loadout Operations (m)	PM	--	11.79
		PM ₁₀	--	3.29
FUG12	Dust Bin Loadout (n)	PM	1.72	0.13
		PM ₁₀	0.58	0.04

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			lb/hr	TPY
FUG13	Foreign Material Tank Loadout (o)	PM	1.72	0.04
		PM ₁₀	0.58	0.01

- (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 an 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.
- (a) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 grain/dry standard cubic foot (gr/dscf), an air flow rate of 10,500 cubic feet per minute, and a maximum operating schedule of 5,500 hours per year (hrs/yr).
- (b) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 23,400 cubic feet per minute, and a maximum operating schedule of 3,712 hrs/yr.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 810 tons of grain.
- (d) Emission rates are based on and the facilities are limited to an hourly throughput of 600 tons of grain.
- (e) Emission rates are based on and the facilities are limited to an annual throughput of 4,455,000 tons of grain.
- (f) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 41,700 cubic feet per minute, and a maximum operating schedule of 2,455 hrs/yr.
- (g) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 42,300 cubic feet per minute, and a maximum operating schedule of 2,455 hrs/yr.

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- (h) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 38,800 cubic feet per minute, and a maximum operating schedule of 7,000 hrs/yr.
- (i) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 5,000 cubic feet per minute, and a maximum operating schedule of 7,000 hrs/yr.
- (j) Emission rates are based on and the facilities are limited to an outlet grain loading of 0.01 gr/dscf, an air flow rate of 20,000 cubic feet per minute, and a maximum operating schedule of 7,000 hrs/yr.
- (k) Emission rates are based on and the facilities are limited to an hourly throughput of 900 tons of grain.
- (l) Emission rates are based on and the facilities are limited to an hourly throughput of 1,200 tons of grain.
- (m) Emission rates are based on and the facilities are limited to an annual throughput of 4,200,000 tons of grain. Of this combined annual throughput, truck loadout is individually limited to 900,000 tons of grain.
- (n) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 3,000 tons of grain dust material.
- (o) Emission rates are based on and the facilities are limited to an hourly throughput of 20 tons and an annual throughput of 1,000 tons of foreign material.

Dated August 31, 2004