

Emission Sources - Maximum Allowable Emission Rates

Permit Number 82855

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, sources, and related activities. 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 (5) *	
			lbs/hour	TPY **
RAWPILE	Raw Sand Storage Pile	PM	--	2.17
		PM ₁₀	--	1.10
SCALPING	Scalping Screen Operations	PM	0.08	0.21
		PM ₁₀	0.03	0.10
OVERSPILE	Oversize Pile	PM	--	1.08
		PM ₁₀	--	0.54
DEWATERING	Dewatering Operations	PM	0.08	0.21
		PM ₁₀	0.03	0.09
KIDNEYPILE	Kidney Piles	PM	--	1.45
		PM ₁₀	--	0.72
EASTDRYLIN	East Dryer Line Operations	PM	0.03	0.07
		PM ₁₀	0.01	0.03
EASTDRYER	East Dryer Baghouse	PM	2.27	6.21
		PM ₁₀	2.27	6.21
		NO _x	1.10	3.01
		CO	6.60	18.10
		VOC	0.15	0.41
		SO ₂	0.39	1.05
EASTBIN1	East Storage Bin 1 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
EASTBIN2	East Storage Bin 2 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
EASTBIN3	East Storage Bin 3 Baghouse	PM	0.05	0.22

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		PM ₁₀	0.05	0.22
EASTBIN4	East Storage Bin 4 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
WESTDRYLIN	West Dryer Line Operations	PM	0.03	0.07
		PM ₁₀	0.01	0.03
WESTDRYER	West Dryer Baghouse	PM	2.27	6.21
		PM ₁₀	2.27	6.21
		NO _x	1.10	3.01
		CO	6.60	18.10
		VOC	0.15	0.41
		SO ₂	0.39	1.05
WESTBIN1	West Storage Bin 1 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
WESTBIN2	West Storage Bin 2 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
WESTBIN3	West Storage Bin 3 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
WESTBIN4	West Storage Bin 4 Baghouse	PM	0.05	0.22
		PM ₁₀	0.05	0.22
EASTLOAD	East Load-Out Spot Baghouse	PM	0.10	0.44
		PM ₁₀	0.10	0.44
WESTLOAD	West Load-Out Spot Baghouse	PM	0.10	0.44
		PM ₁₀	0.10	0.44

- (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) CO - carbon monoxide
NO_x - total oxides of nitrogen
PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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(5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Facility throughput is limited to 400 tons per hour (tph) and 2,190,000 tons per year (tpy) from the initial drop into the wet plant hopper through the feed to the dewatering screens.

Starting at the dewatering screens, the facility throughput is limited to 300 tph and 1,642,500 tpy.

East dryer production is limited to 150 tph and 821,500 tpy.

West dryer production is limited to 150 tph and 821,500 tpy.

Stockpiles, storage silos, and load-out are authorized to operate 8,760 hours per year; the remaining facilities are authorized for the maximum operating schedule below.

15 Hrs/day 7 Days/week 52 Weeks/year or 5,475 Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Date: December 9, 2013