

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 56523

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
<u>Crushing Operations</u>				
AP-C1	Aggregate Plant Primary Crusher (4)	PM	0.18	0.27
		PM ₁₀	0.09	0.13
AP-C2	Secondary Crusher (4)	PM	0.76	1.12
		PM ₁₀	0.36	0.53
WP-C	Wash Plant Tertiary Crusher (4)	PM	0.06	0.09
		PM ₁₀	0.03	0.04
<u>Screening Operations</u>				
AP-S	Aggregate Plant Screen (4)	PM	0.26	0.39
		PM ₁₀	0.13	0.19
WP-S1	Wash Plant Wet Screening (4)	PM	0.02	0.03
		PM ₁₀	0.01	0.01
WP-S2	Screen No. 2 (4)	PM	0.03	0.05
		PM ₁₀	0.02	0.02
AL-S	Portable AgLime Screen (4)	PM	0.24	0.35
		PM ₁₀	0.11	0.17
PS-S	Portable Power Screen (4)	PM	0.71	1.05
		PM ₁₀	0.34	0.50

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AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
<u>Truck Loading/Unloading Operations</u>				
AP-T	Aggregate Plant (4)	PM	0.03	0.05
		PM ₁₀	0.02	0.02
WP-T	Wash Plant (4)	PM	0.03	0.04
		PM ₁₀	0.01	0.02
AL-T	Portable AgLime Plant (4)	PM	0.01	0.02
		PM ₁₀	0.01	0.01
PS-T	Portable Power Screen (4)	PM	0.03	0.05
		PM ₁₀	0.02	0.02
R-T	Rail Loadout (4)	PM	0.03	0.05
		PM ₁₀	0.02	0.02
MHFUG	Aggregate Handling (4, 5)	PM	4.58	6.79
		PM ₁₀	2.21	3.28
SPFUG	Stockpiles (4)	PM	-	3.71
		PM ₁₀	-	1.85
	Engine/Generator (6, 7)	NO _x	52.47	77.76
		CO	11.30	16.75
		SO ₂	3.45	5.11
		PM ₁₀	3.69	5.47
		VOC	4.28	
			6.35	

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- (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) 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.
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.
- (5) Aggregate handling emissions combine material transfer through entire facility.
- (6) Engine/Generator emissions are based on combined fuel usage of 250,000 gallons/year.
- (7) Engine/Generator sets permitted are:

780-hp Aggregate Plant Generator Set No. 1
475-hp Aggregate Plant Generator Set No. 2
425-hp Aggregate Plant Power Unit
275-hp Wash Plant No. 1
275-hp Wash Plant No. 2
45-hp Portable AgLime Plant Duetz Diesel
65-hp Power Screen Duetz Diesel
100-hp Railyard Loadout

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

9.5 Hrs/day 6 Days/week 52 Weeks/year or 2,964 Hrs/year

Primary Crusher (AP-C1):	<u>1,000</u> Tons/hour	<u>2,964,000</u> Tons/year
Secondary Crusher (AP-C2):	<u>1,000</u> Tons/hour	<u>2,964,000</u> Tons/year
Tertiary Crusher (WP-C):	<u>120</u> Tons/hour	<u>355,680</u> Tons/year
Total Facility:		<u>2,964,000</u> Tons/year

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Dated June 17, 2004