

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80872L003

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>Large Property Layout - Urban Location (5)</u>				
F-Crush1	Crusher 1 (4)	PM	0.01	0.04
		PM ₁₀	<0.01	0.02
F-Crush2	Crusher 2 (4)	PM	0.01	0.04
		PM ₁₀	<0.01	0.02
F-Crush3	Crusher 3 (4)	PM	0.05	0.24
		PM ₁₀	0.02	0.11
F-Screen1	Screen 1 (4)	PM	0.10	0.43
		PM ₁₀	0.03	0.15
F-Screen2	Screen 2 (4)	PM	0.10	0.43
		PM ₁₀	0.03	0.15
F-Load/Unload	Loading and Unloading Operations (4)	PM	0.08	0.37
		PM ₁₀	0.04	0.17
MHFUG	Aggregate handling (4)	PM	0.19	0.81
		PM ₁₀	0.08	0.35
SPFUG	Stockpiles	PM	-.--	6.02
		PM ₁₀	-.--	3.01
E-Eng1	440-HP Caterpillar Engine Set	PM ₁₀	0.26	1.14
		CO	2.75	12.06
		NO _x	3.43	15.03
		SO ₂	0.90	3.95
		VOC	0.22	0.96

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E-Eng2	440-HP Caterpillar Engine Set	PM ₁₀	0.26	1.14
		CO	2.75	12.06
		NO _x	3.43	15.03
		SO ₂	0.90	3.95
		VOC	0.22	0.96

Large Property Layout - Rural Location (6)

F-Crush1	Crusher 1 (4)	PM	0.01	0.03
		PM ₁₀	<0.01	0.02
F-Crush2	Crusher 2 (4)	PM	0.01	0.03
		PM ₁₀	<0.01	0.02
F-Crush3	Crusher 3 (4)	PM	0.04	0.19
		PM ₁₀	0.02	0.09
F-Screen1	Screen 1 (4)	PM	0.08	0.35
		PM ₁₀	0.03	0.12
F-Screen2	Screen 2 (4)	PM	0.08	0.35
		PM ₁₀	0.03	0.12
F-Load/Unload	Loading and Unloading Operations (4)	PM	0.07	0.29
		PM ₁₀	0.03	0.14
MHFUG	Aggregate handling (4)	PM	0.15	0.65
		PM ₁₀	0.06	0.28
SPFUG	Stockpiles	PM	-.--	6.02
		PM ₁₀	-.--	3.01
E-Eng1	440-HP Caterpillar Engine Set	PM ₁₀	0.26	0.66
		CO	2.75	7.02
		NO _x	3.43	8.74
		SO ₂	0.90	2.30
		VOC	0.22	0.56

Emission Point No. 1	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u>
				TPY**

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E-Eng2	440-HP Caterpillar Engine Set	PM ₁₀ CO NO _x SO ₂ VOC	0.26 2.75 3.43 0.90 0.22	0.66 7.02 8.74 2.30 0.56
<u>Small Property Layout - All Locations (7)</u>				
F-Crush1	Crusher 1 (4)	PM PM ₁₀	0.01 <0.01	0.02 0.01
F-Crush2	Crusher 2 (4)	PM PM ₁₀	0.01 <0.01	0.02 0.01
F-Crush3	Crusher 3 (4)	PM PM ₁₀	0.03 0.01	0.14 0.06
F-Screen1	Screen 1 (4)	PM PM ₁₀	0.06 0.02	0.25 0.09
F-Screen2	Screen 2 (4)	PM PM ₁₀	0.06 0.02	0.25 0.09
F-Load/Unload	Loading and Unloading Operations (4)	PM PM ₁₀	0.05 0.02	0.21 0.10
MHFUG	Aggregate handling (4)	PM PM ₁₀	0.11 0.05	0.47 0.20
SPFUG	Stockpiles	PM PM ₁₀	-.-- -.--	0.90 0.45
E-Eng1	440-HP Caterpillar Engine Set	PM ₁₀ CO NO _x SO ₂ VOC	0.26 2.75 3.43 0.90 0.22	1.14 12.06 15.03 3.95 0.96
Emmission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u> lb/hr TPY	
E-Eng2	440-HP Caterpillar Engine	PM ₁₀ CO	0.26 2.75	1.14 12.06

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Set	NO _x	3.43	15.03
	SO ₂	0.90	3.95
	VOC	0.22	0.96

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

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

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

(5) Large Property Layout - Urban Locations

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Crusher No. 1:	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year
Crusher No. 2:	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year
Crusher No. 3:	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year
Total facility:		<u>2,628,000</u> Tons/year

(6) Large Property Layout - Rural Locations

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Engine Operation limited to:

14 Hrs/day (between 6:00 a.m. and 8:00 p.m.) 7 Days/week 52 Weeks/year or 5,096 Hrs/year

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Crusher No. 1:	<u>240</u> Tons/hour	<u>2,102,400</u> Tons/year
Crusher No. 2:	<u>240</u> Tons/hour	<u>2,102,400</u> Tons/year
Crusher No. 3:	<u>240</u> Tons/hour	<u>2,102,400</u> Tons/year
Total facility:		<u>2,102,400</u> Tons/year

(7) **Small Property Layout - All Locations**

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

Crusher No. 1:	<u>175</u> Tons/hour	<u>1,533,000</u> Tons/year
Crusher No. 2:	<u>175</u> Tons/hour	<u>1,533,000</u> Tons/year
Crusher No. 3:	<u>175</u> Tons/hour	<u>1,533,000</u> Tons/year
Total facility:		<u>1,533,000</u> Tons/year

Dated June 18, 2008