

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80872L002

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	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Large Property Layout - Urban Location (5)				
F-Crush1	Crusher 1 (4)	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.02
F-Crush2	Crusher 2 (4)	PM	0.05	0.24
		PM <sub>10</sub>	0.02	0.11
F-Screen1	Screen 1 (4)	PM	0.10	0.43
		PM <sub>10</sub>	0.03	0.15
F-Screen2	Screen 2 (4)	PM	0.10	0.43
		PM <sub>10</sub>	0.03	0.15
F-Load/Unload	Loading/Unloading Operations (4)	PM	0.07	0.32
		PM <sub>10</sub>	0.03	0.15
MHFUG	Aggregate Handling (4)	PM	0.19	0.81
		PM <sub>10</sub>	0.08	0.35
SPFUG	Stockpiles (4)	PM	---	6.02
		PM <sub>10</sub>	---	3.01
E-Eng1	440-HP Caterpillar Engine Set	PM <sub>10</sub>	0.26	1.14
		CO	2.75	12.06
		NO <sub>x</sub>	3.43	15.03
		SO <sub>2</sub>	0.90	3.95
		VOC	0.22	0.96
E-Eng2	440-HP Caterpillar Engine Set	PM <sub>10</sub>	0.26	1.14
		CO	2.75	12.06
		NO <sub>x</sub>	3.43	15.03
		SO <sub>2</sub>	0.90	3.95

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## AIR CONTAMINANTS DATA

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

VOC 0.22 0.96

**Large Property Layout - Rural Location (6)**

F-Crush1	Crusher 1 (4)	PM	0.01	0.02
		PM <sub>10</sub>	<0.01	0.01
F-Crush2	Crusher 2 (4)	PM	0.04	0.11
		PM <sub>10</sub>	0.02	0.05
F-Screen1	Screen 1 (4)	PM	0.08	0.20
		PM <sub>10</sub>	0.03	0.07
F-Screen2	Screen 2 (4)	PM	0.08	0.20
		PM <sub>10</sub>	0.03	0.07
F-Load/Unload	Loading/Unloading Operations (4)	PM	0.06	0.15
		PM <sub>10</sub>	0.03	0.07
MHFUG	Aggregate Handling (4)	PM	0.15	0.38
		PM <sub>10</sub>	0.06	0.16
SPFUG	Stockpiles (4)	PM	---	6.02
		PM <sub>10</sub>	---	3.01
E-Eng1	440-HP Caterpillar	PM <sub>10</sub>	0.26	0.66
		CO	2.75	7.02
		NO <sub>x</sub>	3.43	8.74
		SO <sub>2</sub>	0.90	2.30
		VOC	0.22	0.56
E-Eng2	440-HP Caterpillar Engine set	PM <sub>10</sub>	0.26	0.66
		CO	2.75	7.02
		NO <sub>x</sub>	3.43	8.74
		SO <sub>2</sub>	0.90	2.30
		VOC	0.22	0.56

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

F-Crush1	Crusher 1 (4)	PM	0.01	0.02
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## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		PM <sub>10</sub>	<0.01	0.01
F-Crush2	Crusher 2 (4)	PM	0.03	0.09
		PM <sub>10</sub>	0.01	0.04
F-Screen1	Screen 1 (4)	PM	0.06	0.16
		PM <sub>10</sub>	0.02	0.05
F-Screen2	Screen 2 (4)	PM	0.06	0.16
		PM <sub>10</sub>	0.02	0.05
F-Load/Unload	Loading/Unloading Operations (4)	PM	0.04	0.12
		PM <sub>10</sub>	0.02	0.06
MHFUG	Aggregate Handling (4)	PM	0.11	0.30
		PM <sub>10</sub>	0.05	0.13
SPFUG	Stockpiles (4)	PM	---	0.90
		PM <sub>10</sub>	---	0.45
E-Eng1	440-HP Caterpillar Engine Set	PM <sub>10</sub>	0.26	1.14
		CO	2.75	12.06
		NO <sub>x</sub>	3.43	15.03
		SO <sub>2</sub>	0.90	3.95
		VOC	0.22	0.96
E-Eng2	440-HP Caterpillar Engine Set	PM <sub>10</sub>	0.26	1.14
		CO	2.75	12.06
		NO <sub>x</sub>	3.43	15.03
		SO <sub>2</sub>	0.90	3.95
		VOC	0.22	0.96

(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 PM<sub>10</sub>.

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

CO - carbon monoxide

NO<sub>x</sub> - nitrogen oxides

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds

(4) Fugitive emissions are an estimate only.

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

(5) **Large Property Layout - Urban Location**

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

Crusher No. 1: 300 Tons/hour 2,628,000 Tons/year

Crusher No. 2: 300 Tons/hour 2,628,000 Tons/year

Total Facility: 2,628,000 Tons/year

(6) **Large Property Layout - Rural Location**

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

Crusher No. 1: 240 Tons/hour 1,226,400 Tons/year

Crusher No. 2: 240 Tons/hour 1,226,400 Tons/year

Total Facility: 1,226,400 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: 175 Tons/hour 958,125 Tons/year

Crusher No. 2: 175 Tons/hour 958,125 Tons/year

Total Facility: 958,125 Tons/year

Dated August 21, 2007