

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 80572

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
Voca Crushing Circuit				
3	Jaw Crusher No. 1 (4)	PM	0.30	1.31
		PM <sub>10</sub>	0.14	0.59
4	Screen No. 1 (4)	PM	1.10	4.82
		PM <sub>10</sub>	0.37	1.62
5	Jaw Crusher No. 2 (4)	PM	0.24	1.05
		PM <sub>10</sub>	0.11	0.47
1,2,6 MTHFUG	Material Handling (4)(5)	PM	1.19	5.20
		PM <sub>10</sub>	0.40	1.76
Voca VSI Circuit				
10	Screen No. 2 (4)	PM	0.66	2.89
		PM <sub>10</sub>	0.22	0.97
11	Screen No. 3 (4)	PM	0.66	2.89
		PM <sub>10</sub>	0.22	0.97
12	VSI Crusher No. 3 (4)	PM	0.12	0.53
		PM <sub>10</sub>	0.05	0.24
7,8,9,13,14 MTHFUG	Material Handling (4)(6)	PM	0.17	0.74
		PM <sub>10</sub>	0.06	0.24

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

**Voca Hydrosizer Circuit**

15	Screen No. 4 (4)	PM	0.06	0.26
		PM <sub>10</sub>	0.02	0.09
16	Screen No. 5 (4)	PM	0.06	0.26
		PM <sub>10</sub>	0.02	0.09
17	Screen No. 6 (4)	PM	0.04	0.16
		PM <sub>10</sub>	0.01	0.06

**Voca Dryer Circuit**

20	Wet Scrubber Stack No. 1 (7)	PM	0.30	1.31
		PM <sub>10</sub>	0.30	1.31
		CO	1.13	4.96
		NOx	4.65	20.37
		SO <sub>2</sub>	0.18	0.77
		VOC	0.11	0.46
18,19 MTHFUG	Material Handling(4)(8)	PM	0.04	0.18
		PM <sub>10</sub>	0.01	0.06

**Voca Screen House**

21	Wet Scrubber Stack No. 2 (9)	PM	0.05	0.20
		PM <sub>10</sub>	0.01	0.05

**Voca Loadout**

22	Wet Scrubber Stack No. 3 (10)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
23,24,25,26 MTHFUG	Material Handling (4)(11)	PM	0.04	0.15
		PM <sub>10</sub>	0.01	0.05
SPFUG	Stockpiles (4)	PM	-	2.89
		PM <sub>10</sub>	-	1.45

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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 PM<sub>10</sub>.  
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.
- (4) Fugitive emissions are an estimate only.
- (5) Emission rates are the total for the loading hopper, grizzly feeder, and the conveyor drop.
- (6) Emission rates are the total for the two feeder drops and three conveyor drops.
- (7) Emissions vented from the dryer.
- (8) Emission rates are the total for the loading hopper and the storage bin drop.
- (9) Emissions vented from an enclosed building housing 16 screens.
- (10) Emissions vented from eight storage silos.
- (11) Emission rates are the total for two conveyor drops and two silo/truck loadouts.

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

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

Primary Jaw Crusher:	<u>250</u> Tons/hour	<u>2,190,000</u> Tons/year
Secondary Jaw Crusher:	<u>200</u> Tons/hour	<u>1,752,000</u> Tons/year
Tertiary VSI Crusher:	<u>100</u> Tons/hour	<u>876,000</u> Tons/year
Total Facility:	<u>500</u> Tons/hour	<u>4,380,000</u> Tons/year

Dated