

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 73971

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
VOCA PIT				
CR001	Primary Jaw Crusher (4)	PM	0.06	0.28
		PM ₁₀	0.03	0.13
SJC001	Secondary Jaw Crusher (4)	PM	0.06	0.28
		PM ₁₀	0.03	0.13
SSC001	Rock Separation Screen (4)	PM	1.98	8.67
		PM ₁₀	0.67	2.92
DH001, SDH001	Loading/Unloading Operations (4)		PM	0.03
			PM ₁₀	0.01
				0.06
MHFUG	Material Handling (4, 5)	PM	3.38	14.79
		PM ₁₀	1.11	4.86
SP001	Supplemental Storage Stockpile (4)		PM	- 0.36
			PM ₁₀	- 0.18
WASH PLANT NO. 1				
CR002	Secondary Crusher (4, 6)	PM	0.01	-
		PM ₁₀	<0.01	-
CR003	Secondary Crusher (4)	PM	0.02	0.07
		PM ₁₀	0.01	0.03
SC001, SC002	Initial Screening Operations (4)	PM	0.22	0.98
		PM ₁₀	0.08	0.34

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
SC003	Oversize Screen (4)	PM	0.08	0.33
		PM ₁₀	0.03	0.11
SC004, SC005, and SC006	Product Screening Operations (4) 0.84	PM	0.18	0.18
		PM ₁₀	0.06	0.30
DH002	Wet Haul Truck Load-Out (4)	PM	0.03	0.14
		PM ₁₀	0.02	0.07
MHFUG	Material Handling (4, 7)	PM	0.40	1.73
		PM ₁₀	0.14	0.58
SP002	Product Stockpile (4)	PM	-	0.02
		PM ₁₀	-	0.01
SP003	Oversize Stockpile (4)	PM	-	0.01
		PM ₁₀	-	0.01
SP004	Foundry Sand Stockpile (4)	PM	-	0.01
		PM ₁₀	-	0.01

- 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.
- (4) Fugitive emissions are an estimate only.
- (5) Includes EPNs P001 through P007 and SP001 through SP003
- (6) Crusher CR002 is a spare unit to be used only as backup to Crusher CR003
- (7) Includes EPNs CT001 through CT010

* 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 (EPN CR001):	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year
Secondary Jaw Crusher (EPN SR001):	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year
Secondary Crusher (EPN CR002):	<u>190</u> Tons/hour	<u>1,664,400</u> Tons/year
Secondary Crusher (EPN CR003):	<u>300</u> Tons/hour	<u>2,628,000</u> Tons/year

Total Facility:

Voca Pit:	<u>900</u> Tons/hour	<u>7,884,000</u> Tons/year
Wash Plant No.1:	<u>396</u> Tons/hour	<u>3,468,960</u> Tons/year

Dated: March 14, 2007