

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 37095

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
1	Aggregate Handling (4)(5)	PM	1.05	2.38
		PM ₁₀	0.61	1.44
2	Stockpiles (4)	PM	-	1.08
		PM ₁₀	-	0.54
3	Barite Screener (4)	PM	0.90	1.64
		PM ₁₀	0.09	0.16
4	Barite Cone Crusher (4)	PM	0.01	0.01
		PM ₁₀	0.01	0.01
RM1-DC3	Raymond Mill No. 1 Baghouse	PM ₁₀	0.01	0.01
RM2-DC3	Raymond Mill No. 2 Baghouse	PM ₁₀	0.01	0.01
S1-DC	Truck Loadout Silo Baghouse	PM ₁₀	0.13	0.56
RM1-DC1	Raymond Mill No. 1 Baghouse	PM ₁₀	0.86	3.77
		SO ₂	<0.01	<0.01
		NO _x	0.38	1.66
		CO	0.35	0.08
		VOC	0.02	0.09

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
RM2-DC1	Raymond Mill No. 2 Baghouse	PM ₁₀	0.77	3.40
		SO ₂	<0.01	<0.01
		NO _x	0.38	1.66
		CO	0.35	0.08
		VOC	0.02	0.09
RM1-DC2	Mill Building Baghouse	PM ₁₀	0.26	1.13
RM2-DC2	Mill Building Baghouse	PM ₁₀	0.26	1.13

- (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 (PM) 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.
SO₂ - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only.
- (5) These emissions include raw barite truck unloading, front end loader, grizzly bin drop, magnet conveyor, mill bin conveyor, transfer conveyor, and bulk truck loadout.

* 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

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>
	Primary Crusher:	<u>60</u> Tons/hour	<u>219,000</u>
Tons/year			
	Secondary Mill Nos. 1 and 2:	<u>25</u> Tons/hour	<u>219,000</u>
Tons/year			
	Total Facility:	<u>219,000</u> Tons/year	

Dated_____