

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2662

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	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
EPN 1	R-R Unloading (4)	PM <sub>10</sub>	0.56	0.91
EPN 2	Storage Conveyor (4)	PM <sub>10</sub>	0.133	0.518
EPN 3	Primary Crusher	PM <sub>10</sub>	0.30	0.78
EPN 4	Crude Ore Bin	PM <sub>10</sub>	0.06	0.16
EPN 4a	Crude Ore Bin	PM <sub>10</sub>	0.06	0.16
EPN 5a	Roller Mill No. 1	PM <sub>10</sub>	0.387	1.06
		SO <sub>2</sub>	0.0036	0.01
		NO <sub>x</sub>	0.84	2.33
		CO	0.21	0.58
		VOC	0.048	0.13
EPN 5b	Roller Mill No. 2	PM <sub>10</sub>	0.387	1.06
		SO <sub>2</sub>	0.0036	0.01
		NO <sub>x</sub>	0.84	2.33
		CO	0.21	0.58
		VOC	0.048	0.13
EPN 5c	Roller Mill No. 3	PM <sub>10</sub>	0.387	1.06
		SO <sub>2</sub>	0.0036	0.01
		NO <sub>x</sub>	0.84	2.33
		CO	0.21	0.58
		VOC	0.048	0.13

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
EPN 7	Production Bin	PM <sub>10</sub>	0.06	0.16

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## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates</u>	
			<u>lb/hr</u>	<u>TPY</u>
EPN 8	Production Bin	PM <sub>10</sub>	0.06	0.16
EPN 9	Production Bin	PM <sub>10</sub>	0.06	0.16
EPN 11	Bulk Discharge (4)	PM <sub>10</sub>	0.30	0.36
EPN 12	Sacking Machine	PM <sub>10</sub>	0.30	0.36
EPN 13	Production Bin	PM <sub>10</sub>	0.06	0.003
EPN 14	Production Bin	PM <sub>10</sub>	0.06	0.003
EPN 15	Truck Unloading (4)	PM <sub>10</sub>	0.074	0.151
EPN 16	Conveyor (4)	PM <sub>10</sub>	0.006	0.001
EPN 17	Flash Dryer	PM <sub>10</sub>	3.02	0.38
		SO <sub>2</sub>	0.014	0.002
		NO <sub>x</sub>	3.15	0.4
		CO	0.79	0.1
		VOC	0.18	0.02
EPN 18	Roller Mill No. 4	PM <sub>10</sub>	0.387	0.967
		SO <sub>2</sub>	0.004	0.01
		NO <sub>x</sub>	0.84	2.33
		CO	0.21	0.58
		VOC	0.048	0.13

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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 particulate matter greater than 10 microns is emitted.  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate.

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

20 Hrs/day 6 Days/week 52 Weeks/year or 6,240 Hrs/year

A maximum annual barite production of 260,000 tons.

Dated\_\_\_\_\_