

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 77054L001

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*
S24-SC1	Grizzly Feeder (4)	PM	1.19	3.57
		PM <sub>10</sub> 0.57	1.70	
S24-CR-1	Primary Crusher (4)	PM	0.11	0.34
		PM <sub>10</sub> 0.05	0.16	
S24-TR1	Crusher Conveyor to Screen Conveyor (4)	PM	0.07	0.21
		PM <sub>10</sub>	0.03	0.10
S24-SC2	Unit 2 Screen (4)	PM	1.19	3.57
		PM <sub>10</sub> 0.57	1.70	
S24-TR2A	Screen to Unit 5 Conveyor (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
S24-TR2B	Screen to Shaker (4)	PM	0.01	0.03
		PM <sub>10</sub> 0.01	0.02	
S24-H2	Screen to Unit 2 Crusher Hopper (4)	PM	0.06	0.18
		PM <sub>10</sub>	0.03	0.09
S24-CR2	Unit 2 Crusher (4)	PM	0.71	2.12
		PM <sub>10</sub> 0.34	1.01	
S24-TR2C	Crusher to Unit 3 Conveyor (4)	PM	0.06	0.18
		PM <sub>10</sub>	0.03	0.09
S24-SC3	Unit 3 Screen (4)	PM	1.44	4.33
		PM <sub>10</sub> 0.69	2.06	

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			lb/hr	TPY*
S24-CR3	Unit 3 Crusher (4)	PM	0.31	0.92
		PM <sub>10</sub> 0.15	0.44	
S24-TR3A	Screen to Unit 6 Conveyor (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
S24-TR3B	Screen to Shaker (4)	PM	0.02	0.07
		PM <sub>10</sub> 0.01	0.03	
S24-TR3C	Screen to Unit 4 Conveyor (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
S24-TR3D	Recycle Transfer (4)	PM	0.03	0.08
		PM <sub>10</sub> 0.01	0.04	
S24-H4	Transfer to Unit 4 Crusher Hopper (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
S24-CR4	Unit 4 Crusher (4)	PM	0.31	0.94
		PM <sub>10</sub> 0.15	0.45	
S24-SC4	Unit 4 Screen (4)	PM	0.45	1.34
		PM <sub>10</sub> 0.21	0.64	
S24-TR4A	Transfer to Shaker (4)	PM	0.02	0.05
		PM <sub>10</sub> 0.01	0.03	
S24-TR4B	Screen to Recycle Conveyor (4)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
S24-TR4C	Recycle Conveyor to Crusher (4)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
S24-TR4D	Transfer to Stacker (4)	PM	<0.01	<0.01
		PM <sub>10</sub> <0.01	<0.01	

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			lb/hr	TPY*
S24-TR4E	Transfer to Stacker (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	
S24-H5	Transfer to Unit 5 Crusher Hopper (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
S24- CR5	Unit 5 Crusher (4)	PM	0.31	0.94
		PM <sub>10</sub>	0.45	
S24-SC5	Unit 5 Screen (4)	PM	0.45	1.34
		PM <sub>10</sub>	0.64	
S24-TR5A	Transfer to Shaker (4)	PM	0.02	0.05
		PM <sub>10</sub>	0.03	
S24-TR5B	Screen to Recycle Conveyor (4)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
S24-TR5C	Recycle Conveyor to Crusher (4)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
S24-TR5D	Transfer to Stacker (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	
S24-H6	Transfer to Unit 6 Hopper (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
S24-SC6	Unit 6 Screen (4)	PM	0.33	0.98
		PM <sub>10</sub>	0.46	
S24-TR6A	Transfer to Stacker (4)	PM	0.02	0.06
		PM <sub>10</sub>	0.03	
S24-TR6B	Transfer to Stacker (4)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	

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			lb/hr	TPY*
S24-TR6C	Transfer to Stacker (4)	PM PM <sub>10</sub>	<0.01 <0.01	<0.01
S24-SP1	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP2	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP3	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP4	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP5	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP6	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP7	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP8	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP9	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP10	Storage Area (4)	PM PM <sub>10</sub>	0.02 0.04	0.09
S24-SP11	Overflow Area (4)	PM PM <sub>10</sub>	0.14 0.29	0.61

### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

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

#### Maximum Production Rates:

Jaw (Primary) Crusher	<u>675</u>	TPH
Secondary Crusher	<u>575</u>	TPH
Tertiary Crushers (combined)	<u>500</u>	TPH
Total Annual Production	<u>4,050,000</u>	TPY

Dated March 8, 2006