

# 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, sources, and related activities. 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	
			lbs/hour	TPY (4)
S24-SC1	Grizzly Feeder (5)	PM	1.19	3.57
		PM <sub>10</sub>	0.57	1.70
		PM <sub>2.5</sub>	0.03	0.10
S24-CR-1	Primary Crusher (5)	PM	0.11	0.34
		PM <sub>10</sub>	0.05	0.16
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR1	Crusher Conveyor to Screen Conveyor (5)	PM	0.07	0.21
		PM <sub>10</sub>	0.03	0.10
		PM <sub>2.5</sub>	0.01	0.03
S24-SC2	Unit 2 Screen (5)	PM	1.19	3.57
		PM <sub>10</sub>	0.57	1.70
		PM <sub>2.5</sub>	0.03	0.10
S24-TR2A	Screen to Unit 5 Conveyor (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR2B	Screen to Shaker (5)	PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
S24-H <sub>2</sub>	Screen to Unit 2 Crusher Hopper (5)	PM	0.06	0.18
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	0.01	0.02
S24-CR2	Unit 2 Crusher (5)	PM	0.71	2.12
		PM <sub>10</sub>	0.34	1.01
		PM <sub>2.5</sub>	0.06	0.17

Emission Sources - Maximum Allowable Emission Rates

S24-TR2C	Crusher to Unit 3 Conveyor (5)	PM	0.06	0.18
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	0.01	0.02
S24-SC3	Unit 3 Screen (5)	PM	1.44	4.33
		PM <sub>10</sub>	0.69	2.06
		PM <sub>2.5</sub>	0.04	0.12
S24-CR3	Unit 3 Crusher (5)	PM	0.31	0.92
		PM <sub>10</sub>	0.15	0.44
		PM <sub>2.5</sub>	0.02	0.07
S24-TR3A	Screen to Unit 6 Conveyor (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR3B	Screen to Shaker (5)	PM	0.02	0.07
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR3C	Screen to Unit 4 Conveyor (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR3D	Recycle Transfer (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-CR4	Unit 4 Crusher (5)	PM	0.31	0.94
		PM <sub>10</sub>	0.15	0.45
		PM <sub>2.5</sub>	0.03	0.08
S24-SC4	Unit 4 Screen (5)	PM	0.45	1.34
		PM <sub>10</sub>	0.21	0.64
		PM <sub>2.5</sub>	0.01	0.04
S24-TR4A	Transfer to Shaker (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR4B	Screen to Recycle Conveyor (5)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR4C	Recycle Conveyor to Crusher (5)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR4D	Transfer to Stacker (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR4E	Transfer to Stacker (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-H5	Transfer to Unit 5 Crusher Hopper (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-CR5	Unit 5 Crusher (5)	PM	0.31	0.94
		PM <sub>10</sub>	0.15	0.45
		PM <sub>2.5</sub>	0.03	0.08
S24-SC5	Unit 5 Screen (5)	PM	0.45	1.34
		PM <sub>10</sub>	0.21	0.64
		PM <sub>2.5</sub>	0.01	0.04
S24-TR5A	Transfer to Shaker (5)	PM	0.02	0.05
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR5B	Screen to Recycle Conveyor (5)	PM	0.01	0.03
		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR5C	Recycle Conveyor to Crusher (5)	PM	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		PM <sub>10</sub>	<0.01	0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR5D	Transfer to Stacker (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-H6	Transfer to Unit 6 Hopper (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-SC6	Unit 6 Screen (5)	PM	0.33	0.98
		PM <sub>10</sub>	0.15	0.46
		PM <sub>2.5</sub>	0.01	0.03
S24-TR6A	Transfer to Stacker (5)	PM	0.02	0.06
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	<0.01	0.01
S24-TR6B	Transfer to Stacker (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-TR6C	Transfer to Stacker (5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
S24-SP1	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP2	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP3	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

S24-SP4	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP5	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP6	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP7	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP8	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP9	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP10	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
S24-SP10	Storage Area (5)	PM	0.02	0.09
		PM <sub>10</sub>	0.01	0.04
		PM <sub>2.5</sub>	<0.01	0.01
CR1	Jaw Crusher (5)	PM	0.03	0.03
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
SC1	Primary Screen (5)	PM	0.99	1.10
		PM <sub>10</sub>	0.33	0.37

Emission Sources - Maximum Allowable Emission Rates

		PM <sub>2.5</sub>	0.02	0.03
CR2	Secondary Crusher (5)	PM	0.54	0.60
		PM <sub>10</sub>	0.24	0.27
		PM <sub>2.5</sub>	0.05	0.05
SC2	Secondary Screen (5)	PM	0.99	1.10
		PM <sub>10</sub>	0.33	0.37
		PM <sub>2.5</sub>	0.02	0.03
CR3	Tertiary Crusher (5)	PM	0.14	0.15
		PM <sub>10</sub>	0.06	0.07
		PM <sub>2.5</sub>	0.01	0.01
SC3	Tertiary Screen (5)	PM	0.74	0.83
		PM <sub>10</sub>	0.25	0.28
		PM <sub>2.5</sub>	0.02	0.02
MH2	Material Handling (5)	PM	0.54	0.60
		PM <sub>10</sub>	0.18	0.20
		PM <sub>2.5</sub>	0.05	0.06
SP2x	Stockpiles (5)	PM	0.06	0.28
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	<0.01	0.02

- (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
  - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
  - PM<sub>10</sub>
    - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
  - PM<sub>2.5</sub>
    - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 3, 2020