

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 5983

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
S1	Raw Feed (4)	PM	3.25	1.95
		PM ₁₀	1.63	0.98
S3	Grizzly to Stock (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S4	Grizzly to Conveyor (4)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
S5	Conveyor to Conveyor (4)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
S6	Conveyor to Feeder (4)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
S7	Feeder to Feeder (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S8	Feeder to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S9	Conveyor to Screen (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S10	Screen (4)	PM	0.07	0.04
		PM ₁₀	0.03	0.02
S11	Conveyor to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

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			<u>lb/hr</u>	<u>TPY</u>
S12	Conveyor to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S13	Conveyor to Screen (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S14	Screen (4)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
S15	Screen to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S16	Conveyor to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S17	Conveyor to Conveyor (4)	PM	0.02	0.01
		PM ₁₀	0.01	<0.01
S18	Conveyor to Bin (4)	PM	0.02	0.01
		PM ₁₀	0.01	<0.01
S19	Bin to Truck (4)	PM	0.02	0.01
		PM ₁₀	0.01	<0.01
S20	Screen to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S21	Conveyor to Stock (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S22	Screen to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S23	Conveyor to Stock (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

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			<u>lb/hr</u>	<u>TPY</u>
S24	Feeder to Feeder (4)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
S25	Feeder to Conveyor (4)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
S26	Conveyor to Screen (4)	PM	0.06	0.04
		PM ₁₀	0.03	0.02
S27	Screen (4)	PM	1.02	0.61
		PM ₁₀	0.48	0.29
S28	Screen to Conveyor (4)	PM	0.02	0.01
		PM ₁₀	0.01	<0.01
S29	Screen to Conveyor (4)	PM	0.04	0.02
		PM ₁₀	0.02	0.01
S30	Conveyor to Crusher (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
S31	Crusher With Baghouse (4)	PM	0.07	0.04
		PM ₁₀	0.03	0.02
S32	Crusher to Conveyor (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
SBH-1	Crusher Baghouse Stack	PM ₁₀	0.34	0.21
S33	Conveyor to Conveyor (4)	PM	0.04	0.02
		PM ₁₀	0.02	0.01
S34A	Molten Slag Pot Dump (4)	PM	1.19	5.25
		PM ₁₀	1.19	5.25

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			lb/hr	TPY
S34B	Slag Skull Pot Dump (4)	PM	0.13	0.59
		PM ₁₀	0.07	0.29
S35	Front-End Loader Drop (4)	PM	0.44	1.95
		PM ₁₀	0.22	0.98
SBH-2/3	Ferro Cut Baghouse Stack	PM ₁₀	1.61	1.93
		NO _x	0.78	3.49
		CO	0.13	0.6
		VOC	0.02	0.09
S37	Stockpile (4)	PM	--	0.48
		PM ₁₀	--	0.24

- (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.
NO_x - nitrogen oxides
CO - carbon monoxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only.

* 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 Hrs/year

Maximum Slag Processing Rate: 250 tons/hour and 300,000 tons/year

Dated March 2, 2004