

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, 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 (7)	
			lbs/hour	TPY (4)
S1	Raw Feed (5)	PM	3.25	1.95
		PM ₁₀	1.63	0.98
		PM _{2.5}	1.15	0.345
S3	Grizzly to Stock (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S4	Grizzly to Conveyor (5)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.003	<0.002
S5	Conveyor to Conveyor (5)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.003	<0.002
S6	Conveyor to Feeder (5)	PM	0.09	0.05
		PM ₁₀	0.03	0.02
		PM _{2.5}	0.008	<0.005
S8	Feeder to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001

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S10	Screen (5)	PM	0.08	0.05
		PM ₁₀	0.03	0.02
		PM _{2.5}	<0.002	<0.001
S12	Conveyor to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S17	Conveyor to Conveyor (5)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.003	<0.002
S18	Conveyor to Bin (5)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.003	<0.002
S19	Bin to Truck (5)	PM	0.03	0.02
		PM ₁₀	0.01	<0.01
		PM _{2.5}	<0.003	<0.002
S21	Conveyor to Stock (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S23	Conveyor to Stock (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S25	Feeder to Conveyor (5)	PM	0.08	0.05
		PM ₁₀	0.03	0.02
		PM _{2.5}	<0.01	<0.005
S27	Screen (5)	PM	1.27	0.76

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		PM ₁₀	0.43	0.27
		PM _{2.5}	<0.03	<0.02
S33	Conveyor to Conveyor (5)	PM	0.05	0.03
		PM ₁₀	0.02	0.01
		PM _{2.5}	<0.005	<0.003
S34A	Molten Slag Pot Dump (5)	PM	1.19	5.25
		PM ₁₀	1.19	5.25
		PM _{2.5}	1.19	5.25
S34B	Slag Skull Drop (5)	PM	0.13	0.59
		PM ₁₀	0.07	0.29
		PM _{2.5}	0.02	0.10
S35	Drop at Mixing Building (5)	PM	0.44	1.95
		PM ₁₀	0.22	0.98
		PM _{2.5}	0.16	0.35
S37	Product Stockpile (5)	PM	-	0.48
		PM ₁₀	-	0.24
		PM _{2.5}		0.24
S40	Conveyor to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S41	Conveyor to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S42	Swing Conveyor to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01

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		PM _{2.5}	<0.001	<0.001
S43	"B" Scrap Feed (5)	PM	0.07	0.04
		PM ₁₀	0.04	0.02
		PM _{2.5}	0.03	<0.02
S44	"B" Scrap Feed to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S45	Conveyor to Conveyor (5)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.001	<0.001
S31	Hazmag Crusher (5)	PM	0.07	0.06
		PM ₁₀	0.03	0.03
		PM _{2.5}	<0.006	0.005
S46	Cone Crusher (5)	PM	0.07	0.06
		PM ₁₀	0.03	0.03
		PM _{2.5}	0.006	0.005
S31 and S46	Hazmag Crusher and Cone Crusher (5)(6)	PM	-	0.06
		PM ₁₀	-	0.03
		PM _{2.5}	-	0.005
SBH-1	Hazmag Crusher and Cone Crusher Baghouse Stack	PM	0.34	0.31
		PM ₁₀	0.34	0.31
		PM _{2.5}	0.34	0.31
SBH-2	FERROCUT Operation Baghouse Stack	PM	1.61	1.93
		PM ₁₀	1.61	1.93
		PM _{2.5}	1.61	1.93

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		NO _x	0.48	0.58
		CO	0.28	0.34
		VOC	0.02	0.03
SBH-3	FERROCUT Operation Baghouse Stack	PM	1.61	1.93
		PM ₁₀	1.61	1.93
		PM _{2.5}	1.61	1.93
		NO _x	0.48	0.58
		CO	0.28	0.34
		VOC	0.02	0.03
SBH-2 and SBH-3 CAP	FERROCUT Operation Baghouse Stacks	PM	1.61	1.93
		PM ₁₀	1.61	1.93
		PM _{2.5}	1.61	1.93
		NO _x	0.48	0.58
		CO	0.28	0.34
		VOC	0.02	0.03

- (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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- (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.
- (6) The maximum combined fugitive emissions from the Hazmag Crusher and Cone Crusher.
- (7) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit and will need separate authorization unless the activity can meet the conditions of 30 TAC §116.119.

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Date: September 16, 2014